

National[®] Oil Seals

CATALOG NO.

430i

July 2004

Replaces 415 and 428

INDUSTRIAL PRODUCTS

Industrial Applications, Product Specifications & Interchange Guide

- TECHNICAL INFORMATION
- SIZE LISTING
- OIL SEAL DESIGN TYPES
- NUMERICAL LISTING
- METRIC LISTING

NATIONAL[®] REDI-SEALS[®]

Custom Seals Overnight!

LOOK INSIDE FOR MORE INFORMATION



National[®] Oil Seals

**Quality,
Technology,
Innovation
and Value**

National Oil Seals is one of the world's largest and most experienced manufacturers of precision oil, grease, fluid and dirt sealing devices.

National produces millions of seals annually, in a wide variety of sizes and materials, for the original equipment, agricultural and industrial markets.

National serves both original equipment manufacturers and the aftermarket with a variety of sealing solutions. With expertise in a variety of materials and processes, we offer standard and custom sealing products and systems that can withstand a wide range of operating conditions and fluid compositions.

The National name enjoys a worldwide reputation for product reliability. We are leaders in the use of innovative materials, processes and products that have become industry standards. We continually work side-by-side with customers to develop custom solutions to unique sealing needs, as with our Redi-Seals[®].

By working closely with manufacturers from concept and development through design, testing and production, National ensures maximum customer value. As manufacturers' and distributors' definitions of value continue to evolve, National allocates its extensive resources to meet those needs. We have the expertise and technology to coordinate the development, testing and production of your sealing needs.

- Our Research and Development Center in Ann Arbor, Michigan continuously explores new materials which are resistant to chemical attack from oils, greases, fuels and coolants, as well as harsh environmental conditions.
- Our world-class manufacturing facilities ensure cost-effective, reliable production of small- and large- volume sealing products.
- Our application engineers dramatically reduce product development time, by using the most progressive design methods and testing equipment.
- Our quality management system ensures the highest product quality through rigorous planning and control.
- All of which add up to shorter lead times, more reliable production processes, expanded delivery capabilities and an increased competitive advantage for you, the National Oil Seal customer.

National, the industrial market's number-one brand of sealing components, is positioned to provide your business not only with world-class products, but entirely new levels of service and support.

IMPORTANT NEW INVESTMENTS

National Oil Seals: A Central Part of Your Growth Strategy

With new and updated parts available in our distribution centers, customers benefit from reduced delivery lead-times. In the future, National will continually update its product portfolio in response to changes in the industrial marketplace.



New! Industrial Coverage

Federal-Mogul is excited to add numerous new part numbers to our portfolio of National Oil Seals. Product availability being critical to our customers' success, National has added high-demand parts previously available only from our plants. Additionally, National is pleased to introduce over **2,000** new part numbers and updates to our catalog offering, compiled from market analysis and customer feedback.

Update highlights include new high-temperature fluoroelastomer coverage, metric oil seals, shaft repair kits and repair sleeves, as well as:

- New stocking shaft seals with a focus on high-temperature applications;
- Expanded metric coverage;
- Metric and high-temperature O-rings;
- Hundreds of new seal updates and design improvements

New! Special Markets Team

National has established a new, highly-trained **Special Markets Customer Service Team** to assist with pricing, product specification, inventory planning and order fulfillment.

This staff of knowledgeable professionals works closely with your sales representative to ensure timely response to custom pricing requests and orders for custom **National Redi-Seals**, which can be produced and delivered to your business within 24 hours.

The Special Markets Customer Service Team is available from 8 am – 7 pm EST. Call with questions or for prompt assistance with your seal requirements.

Contact the Special Markets Customer Service Team at 1 (800) 480-1212

NATIONAL® REDI-SEALS®

Custom Seals in 24 Hours

Sealing Solutions Custom-made Overnight

Downtime problems? Need a seal fast?
National Redi-Seals are the solution.

Thoroughly tested and approved,
National Redi-Seals are available in the
right quantity for you – even a single seal.

National can ship a wide range of
made-to-order seals within 24 hours.
Redi-Seals' revolutionary manufacturing
process enables National to eliminate long
lead times and offers manufacturers and
distributors a more flexible and efficient way
to do business. National offers eleven types
of Redi-Seals, custom-made to fit your
design, size, application, material and
special features specifications.

Redi-Seals are National Seals, the brand
synonymous with superior performance,
custom-fit to your specifications.
The quickest solution, the right solution.

Specify the following when ordering your seal:

- Seal design or type
- Size: ranging from .827" (21mm) shaft
to 13" (330mm) housing bore
- Inch or metric size
- Seal applications:
industrial, agricultural or vehicular
- Seal material: Nitrile or Viton®
- Special features, including split seals

Call the National Redi-Seal selection process inquiry line at 1 (800) 225-1220

Viton is a registered trademark of DuPont Corporation.

REDI-SEAL SPECIFICATION CHECKLIST

Selection Information

National Redi-Seals are unique, high-quality sealing devices which require specific information before manufacturing. Although Redi-Seals are manufactured to the same exacting standards and specifications as the National stock product lines, exact dimensions are required before a seal can be made.

Please review the specifications manual before contacting National Redi-Seal. A National Zero Duplication Seal may already meet your sealing requirements.



☐ DLO



☐ SLO



☐ DLG



☐ SLG



☐ FSR



☐ SFS



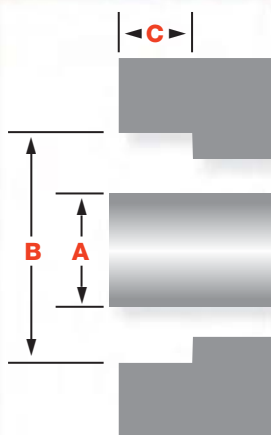
☐ SLE



☐ TSL



☐ RTSL



A) Shaft Diameter
B) Bore Diameter
C) Width

1 Choose a style. NOTE: SLO and DLO are also available in split designs.

2 Measure the required dimensions to the nearest 0.001" or 0.05mm.

- ☐ Shaft Diameter _____
- ☐ Bore Diameter _____
- ☐ Width _____

3 Select the appropriate seal material

- ☐ Nitrile: -50°F to +250°F or -45°C to +121°C
- ☐ Fluoroelastomer: -40°F to +400°F or -40°C to +205°C
- ☐ PTFE: -65°F to +450°F or -55°C to +232°C
- ☐ R.O.D. PTFE (Type RTSL): -65°F to +300°F or -55°C to +150°C

4 Note any important application details:

- ☐ Shaft Speed _____ RPM
- ☐ Temp Range _____
- ☐ Lubricant _____
- ☐ Comments _____

Call the National Redi-Seal selection process inquiry line at 1 (800) 225-1220

CAUTION: Redi-Seals are not recommended for the following applications:

- Rear wheel bearing seals on rear wheel drive vehicles
- Automatic transmission front pump seals
- Any nuclear applications
- Stub shaft seals on front wheel drive vehicles
- Power steering pump seals
- Any aircraft / aviation / aerospace applications

NATIONAL® REDI-SLEEVES™

Repair Damaged Shafts... or Protect New Ones

National Redi-Sleeves are precision stainless steel wear sleeves, designed to be pressed onto a shaft to provide an excellent sealing surface.

For grooved or worn shafts, Redi-Sleeves are a fast, inexpensive repair option. The Redi-Sleeve is simply pressed onto a shaft where indications of seal wear (such as tracks or grooves) have developed; the shaft now has a smooth, ideal sealing surface.

For new shafts, Redi-Sleeves provide superior sealing and ease of future repairs; simply pop off the worn sleeve and press on a new one, when needed.

Remember!

Use tools and components only for their intended purposes. Follow manufacturer repair and maintenance procedures. Eye protection should always be worn to prevent personal injury.

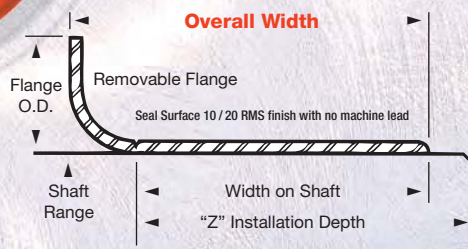
Fast, Inexpensive Shaft Repairs

National Redi-Sleeves are easy to install, featuring a removable flange and an installation tool.

National Redi-Sleeves offer numerous shaft maintenance advantages:

- Strong, durable stainless steel construction provides a corrosion-free sealing surface that surpasses most original shaft specifications
- Ultra-thin construction (0.1" / 0.25mm wall thickness) allows original seal size to be used with minimal additional lip loading
- Redi-Sleeve surface is the best-possible sealing surface, ground to a 10 - 20 microinch Ra (.25 - .50 Micrometer Ra) finish without lead
- Available for shafts from .5" (12.7mm) to 8" (203mm) in diameter

Redi-Sleeve Size Selection



To select the proper size Redi-Sleeve, measure the shaft diameter where the sleeve will be positioned – ahead of the wear path. Do not measure the track worn by the old seal.

Measure the shaft in three positions: 12 o'clock to 6 o'clock, 2 o'clock to 8 o'clock, and 4 o'clock to 10 o'clock. Then average the three readings (to compensate for possible shaft out-of-round or error in measurement).

Use this averaged measurement to select a part number from the Size Chart provided, and order from your National Oil Seal distributor.

National race drivers are available from stocking distributors worldwide

NATIONAL® SHAFT REPAIR KITS

Save Time and Costly Shaft Replacements

Save time and costly shaft replacements by using National Shaft Repair Kits. Our kits include the industry-tested, technician-approved seal in addition to a National Redi-Sleeve.

Depend on National Shaft Repair Kits as a reliable, cost-effective alternative to replacing or repairing the shaft.



For assistance with pricing, product specifications, inventory planning and order fulfillment, the Special Markets Customer Service Team is available Monday - Friday, 8 am - 7 pm EST.

KIT INFORMATION			INCH				METRIC			
Kit Number	Seal	Redi-Sleeve	Shaft Size	Housing Bore	Outside Diameter	Width	Shaft Size	Housing Bore	Outside Diameter	Width
412920K	412920	99225	2.250	3.371	3.376	0.375	57,15	85,62	85,75	9,53
470380K	470380	99149	1.500	2.375	2.378	0.312	38,10	60,33	60,40	7,92
470625K	470625	99150	1.500	2.250	2.254	0.312	38,10	57,15	57,25	7,92
470712K	470712	99112	1.125	1.874	1.878	0.250	28,58	47,60	47,70	6,35
471255K	471255	99062	0.625	1.375	1.379	0.250	15,88	34,93	35,03	6,35
471271K	471271	99248	2.500	3.251	3.256	0.375	63,50	82,58	82,70	9,53
471272K	471272	99225	2.250	3.000	3.005	0.375	57,15	76,20	76,33	9,53
471413K	471413	99125	1.250	1.752	1.756	0.250	31,75	44,50	44,60	6,35
471652K	471652	99112	1.125	1.624	1.628	0.250	28,58	41,25	41,35	6,35
471750K	471750	99125	1.250	1.983	1.987	0.250	31,75	50,37	50,47	6,35
471766K	471766	99125	1.250	2.000	2.004	0.250	31,75	50,80	50,90	6,35
472258K	472258	99133	1.375	2.000	2.004	0.312	34,93	50,80	50,90	7,92

Call the Special Markets Customer Service Team at 1 (800) 480-1212

NATIONAL® ZERO DUPLICATION™ PROGRAM

More Efficient, More Profitable Seal Inventory Management

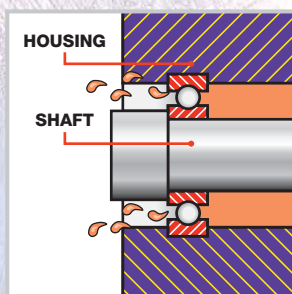
By consolidating your inventory into one systematic collection of premium-quality seals, the National Oil Seals Zero Duplication program provides comprehensive coverage while minimizing the number of replacement seals you carry in inventory.

The program is based on special selections of National Oil Seals, carefully designed to meet the requirements of applications with shaft diameters up to 12" or 300mm – with zero duplication of comparable seals.

Zero Duplication is an effective way to do more with less – so you can focus on other aspects of your business.

Advantages of the Zero Duplication program:

- Faster, more responsive service
- Simple, easy replacement seal selection
- Simplified ordering process
- Reduced acquisition costs
- Reduced storage costs and requirements
- Eliminates obsolete seals



A seal keeps contaminants out and lubricants in to protect and extend bearing life.

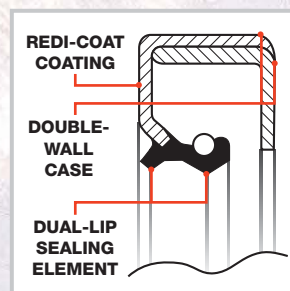
Improve Coverage and Reduce Inventory

Each Zero Duplication seal effectively replaces several similar seals, providing comprehensive application coverage with less inventory.

Following a thorough analysis of application needs, the National design team concluded that the vast majority of application requirements can be met using only a few seal designs, if the designs incorporate the most effective performance features. The National design team has developed a comprehensive line of seals, in a range of common sizes, engineered to fit and perform well for virtually every industry need.



Typical Zero Duplication seal design.



Performance Features*

Spring-loaded, dual-lip sealing element

Uses two sealing lips, one spring-loaded tightly against the shaft to retain lubricants, the other functioning as a contaminant excluder.

Double-wall case

Minimizes deformation to the case during installation and forms a secure, stable base for optimum sealing element performance.

Exclusive, Redi-Coat® coating

Seals minor bore defects to help ensure a tight, leak-proof seal.

Optional fluoroelastomer sealing element

(Available in selected part numbers in addition to standard nitrile seals) provides excellent high-temperature capabilities, good compatibility with a wide range of fluids, very long life.

Keep lubricants and other critical fluids in, water and other contaminants out.

*Seal designs may vary. Not all features are used in all Zero Duplication seals.

NATIONAL® ZERO DUPLICATION™ PROGRAM

Trust Zero Duplication Seals for Optimal Performance

By habit, a seal is often replaced by an identical seal. Zero Duplication seals, however, offer performance equal and often superior to the original seal. Even if the width, case design or sealing element differ, trust a Zero Duplication seal for optimal performance.

The Zero Duplication program offers tangible advantages for your customers:

- *Faster, more responsive customer service*
- *Provides customers with the optimal seal for their application*
- *Ensures you have the right seal in stock*

Three Zero Duplication stocking plans have been developed to maximize coverage:

- **Gold** (up to 6" / 160mm shaft sizes) – seals used in heavy industry (pulp and paper mills, ore processing, mining operations)
- **Silver** (up to 4" / 100mm shaft sizes) – seals used in general industry (including heavy-duty, high-horsepower motors)
- **Bronze** (up to 2.5" / 60mm shaft sizes) – seals used in light-duty service (including motion control equipment, conveying operations)

There is also an option to develop a customized Zero Duplication assortment based on an analysis of your present inventory.

Determining Zero Duplication Program Coverage

It's easy to find Zero Duplication seals in your National Oil Seals catalogs. Inside the 415 Specification Manual or the 428 Industrial Interchange Catalog, any National part number listed in **bold-face type** is a Zero Duplication seal.

Zero Duplication seals are available to fit shafts from .250" to 12.000" in diameter and bore sizes from .499" to 14.000".

Metric Zero Duplication seals are available to fit shafts from 7mm to 300mm in diameter and bore sizes from 16mm to 340mm.

27576 - 29840

Competitor Number	National Size & Type	Zero Duplication or Recommended Industrial
29292	416654	416654
29292	475012	416654
29300	416654	416654
29305	47665N	416654
29310	416654	416654
29316	416654	416654
29317	416654	416654
29317	475012	416654
29322	475012	416654
29360	475012	416654
29370	416654	416654
29371	416654	416654
29375	416654	416654

Zero Duplication part numbers are listed in bold-face type.

To get started, or for more information, call 1 (800) 480-1212 (select option #2).

USING THIS CATALOG

Complete Product Selection Data

Product Specification Section

The Specification Section contains complete product data for the selection of National® Shaft Seals, Redi-Sleeves™, Wear Sleeves, V-Seals and Redi-Seals®. Size Listings for each style and type of seal or sleeve, as well as Material and Compound Selection Guide, Compound Compatibility Chart, Recommended Operation Conditions Chart, Installation Instructions and Troubleshooting Guidelines are also included.

The Specification Section contains an introduction, technical sections, complete size listings, numerical index, metric listing and seal / component design illustration. All numbers are listed by size sequence and by National part number sequence.

Example:

PART NUMBER: If a National part number is known and dimensional data is required, consult the **NUMERICAL LISTING**

DIMENSIONS: If the dimensions of a seal are known and a part number is required, consult the **SIZE LISTING** for specific information

Interchange Guide

The Interchange Guide will assist in converting a competitor's part number to a corresponding National Seal. Begin by finding the identical first character of the product number (whether a letter or a numeral). Part numbers beginning with a letter will be listed in alphabetic, then numeric order.

All part numbers comprising numerals only will be listed in strict numeric order. For instances in which a letter appears in the middle of a part number (for example, 7A2125), the part number with the letter will be listed before any part numbers with a numeral in the same sequential position.

Example: **7A2125**
71250

Part number 7A2125
will be listed before
part number 71250

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SECTION 1-A TECHNICAL

OIL SEAL DESIGN AND SELECTION

TYPES OF OIL SEALS

While industry has generally preferred the double lip or single lip, spring loaded seals, a wide variety of types and styles are produced to satisfy various application requirements.

To simplify the identification process of the oil seals a Type/Illustration column has been included in the Size, Numerical and Metric Listings of this catalog. The Type/Illustration number refers to the Oil Seal Illustration Chart. Just find the number on the illustration chart and the configuration of the component can be identified.

The National® Oil Seal Design Description is provided to illustrate seal types and to provide operating data and limitations for typical applications. Factors relative to oil seal design and selection are also reviewed. After size, application and seal requirements are determined, the proper seal can be located in the [Size Section](#). Likewise, when the National part number is known, the size and type can be easily located in the Numerical Section.

NATIONAL SEAL PART NUMBERING SYSTEM

The Federal-Mogul National Oil Seal Engineering Department assigns the part numbers for all general purpose and special purpose seals. Each type and size combination manufactured is identified by an individual part number.

Three numbering systems are generally used to identify National Oil Seals:

1. General Purpose Seals—Five or six digit numbers. The first one or two digits usually signify seal type or construction. The last four digits refer to a specific assigned shaft and bore size combination but do not indicate seal size. They are assigned in consecutive order as a new shaft/bore combination is established. It may be possible to interchange seals for which the first one or two digits are different but for which the following digits are the same. Such an interchange determination should be based on whether alternative seal designs would meet the requirements of the specific application. Letter suffixes to part numbers within this manual usually refer to the sealing lip compound used.
2. A four digit number system is used for some seals and general purpose seal kits with primarily automotive applications. The numbers have been assigned consecutively and do not relate to seal size.
3. Preassigned blocks of numbers are used to identify certain groups of miscellaneous and special purpose seals:

370000A — Wheel End Seals	200000 to 200500 — Triple Lip Designs
380000A — PTFE Wheel End Seals	200600 to 200899 — Triple Lip Designs External
39000 to 39999 — PTFE Seals	200900 to 200999 — Dual-Lip Design
410000 to 499999 — Plain Round	201000 to 205999 — Wheel Seals
710000 to 799999 — Misc. Round Application	220000 to 230000 — Automotive Metric
99000 — Redi Sleeves	800000 — V-Seals
	J, JV, JX etc. — Wear Sleeves

If an oil seal has a prefix and/or suffix that is not included within this manual, contact your regional Federal-Mogul Representative for more specific information.

SECTION 1-A TECHNICAL

OIL SEAL DESIGN AND SELECTION

THE SEAL AND ITS FUNCTION

Oil Seal Definition

As products, oil seals may be simply described as devices that close or *seal* the spaces between stationary and moving components in mechanical equipment . . . *they prevent lubricant from escaping.*

Oil seals often called grease, fluid or dirt seals are the vital components of practically every type of machine and vehicle in operation. These seals fulfill an exacting function . . . they protect all types of precision constructed, close fitting ball, sleeve and roller bearings.

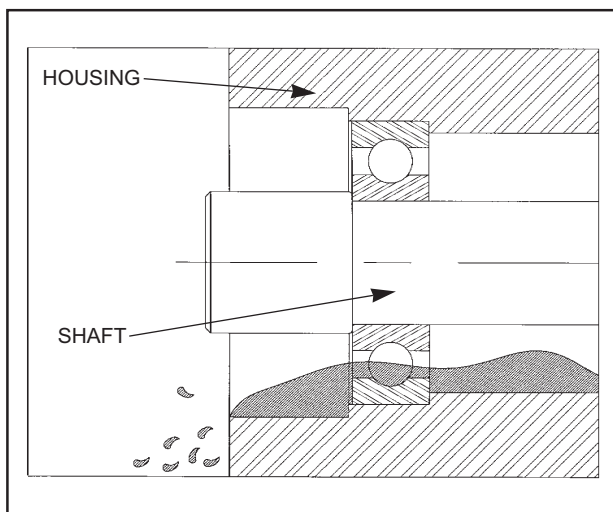
Oil Seal Function

Oil seals are used wherever shafts rotate and bearings require lubrication. In short, a seal is a barrier with three basic functions: 1) Retaining lubricants and liquids 2) Excluding contaminants 3) Seal or separate dissimilar fluids or gases.

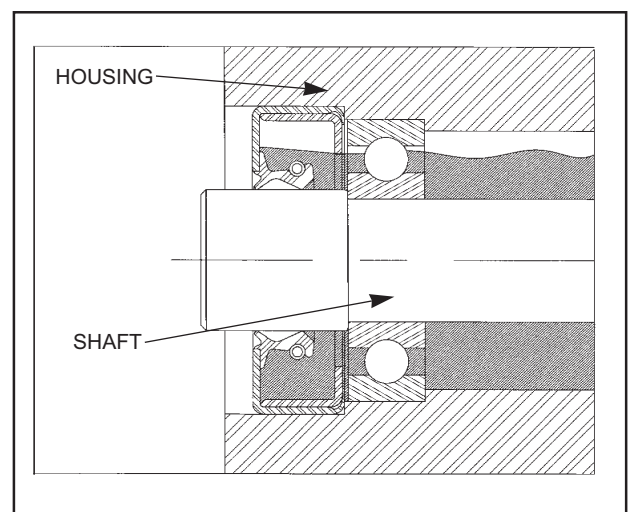
- Precision bearings rely on the oil seal to prevent lubricants from escaping the bearings or a specific area.
- Components of machines rely on the oil seal to prevent abrasives, corrosive moisture and other harmful contaminants from entering the mechanics of the machine.
- Separation of fluids and gases may completely rely on the seal to prevent intermixture of two different mediums such as lubricating oil and water.

Oil Seal In Use

In a typical application, the oil seal is installed adjacent to a bearing, sealing in or sealing out, as necessary, the various liquids, gases or solids encountered by the particular mechanism.



Without an oil seal . . . essential lubricant can escape through the bearing and . . . harmful dirt and foreign matter can enter.



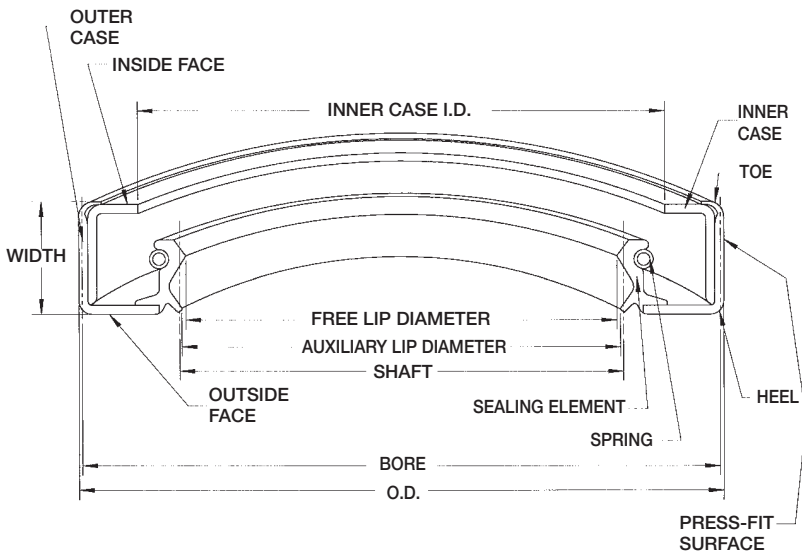
With a properly designed and fitted oil seal . . . the space between the housing and shaft is securely closed or sealed. Lubricant cannot escape . . . harmful dirt and foreign matter cannot enter.

SECTION 1-A TECHNICAL

OIL SEAL DESIGN AND SELECTION

OIL SEAL NOMENCLATURE AND COMPONENTS

The Society of Automotive Engineers (SAE) and the American Society of Testing Materials (ASTM) have developed and adapted a standard to identify component parts that make up an oil seal, as well as terminology and basic lip seal designs.



CONVERSION CHART - RPM TO FPM

Shaft Diameter is in inches

SHAFT DIAMETER







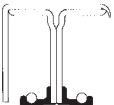
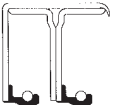

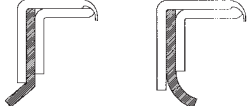
SPEED RANGE	RPM	1/2"	3/4"	1"	1-1/4"	1-1/2"	1-3/4"	2"	2-1/2"	3"	3-1/2"	4"	5"	6"	7"	8"	9"	10"
SLOW	100	13	20	26	33	39	46	52	65	79	92	105	131	157	183	209	236	262
	300	39	59	79	98	118	137	157	196	236	275	314	393	471	550	628	707	785
	500	65	98	131	164	196	229	262	327	393	458	524	654	785	916	1047	1178	1309
	1000	131	196	262	327	393	458	524	654	785	916	1047	1309	1571	1833	2094	2356	2618
	1500	196	295	393	491	589	687	785	982	1178	1374	1571	1963	2356	2749			
	2000	262	393	524	654	785	916	1047	1309	1571	1833	2094	2618					
	2500	327	491	654	818	982	1145	1309	1636	1963	2291	2618						
	3000	393	589	785	982	1178	1374	1571	1963	2356	2749							
	3500	458	687	916	1145	1374	1604	1833	2291	2749								
	4000	524	785	1047	1309	1571	1833	2094	2618									
	4500	589	884	1178	1473	1767	2062	2356	2945									
	5000	654	982	1309	1636	1963	2291	2618										
	6000	785	1178	1571	1963	2356	2749											
	7000	916	1374	1833	2291	2749												
	8000	1047	1571	2094	2618													
MODERATE	9000	1178	1767	2356	2945													
	10000	1309	1963	2618														
	12000	1571	2356															
	14000	1833	2749															
HIGH	16000	2094																
	18000	2356																
	20000	2618																

This table is carried out to the limits of the recommended speeds expressed in FPM (feet-per-minute) for seals of standard construction. Sizes and speeds beyond this table require special analysis of all conditions related to the application. For intermediate shaft sizes of RPM, the standard procedure of interpolation will apply.

SECTION 1-A TECHNICAL

OIL SEAL DESIGN AND SELECTION

NATIONAL OIL SEAL DESIGN DESCRIPTION

Type Description	Representative Cross-Sections of Sealing Elements	Type Numbers	Shaft Speeds Feet Per Minute
Spring Loaded Design Single Lip		5L, 5S, 33, 35, 45, 48, 51, 54, 62, 75, 83, 91, 100	3000
Spring Loaded Design Multi-Lip		1L, 1S, 2L, 2S, 3L, 21, 25, 30, 32, 40, 41, 43, 47, 52, 56, 57, 59, 61, 66, 68, 69, 70, 71, 72, 74, 76, 78, 79, 86, 87, 88, 90, 92, 93, 94, 96, 99	3000
Spring Loaded "Convolute" Design		64, 65	3000
Springless Designs Single-Lip For Grease Retention And Slow Speed Applications		4L, 4S, 24, 29, 31, 34, 44, 201, 203, 204, 205, 230, 271, 272, 273, 277, 278, 279, 283, 290	2000 Type 4L 1000
Springless Designs Multi-Lip For Grease Retention And Slow Speed Applications		49, 97, 98, 274, 276, 280, 281, 282, 284, 285, 286, 287	2000
External Lip To Seal At Bore Slow Speed Applications		8L, 8S, 26, 36, 46, 200, 200E	750
Spring Loaded Dual Opposing Lips Separates 2 Fluids		7L, 7S	3000
Dual Spring Loaded Same Direction Inner Lip Stems Lube Surges		9L, 9S	3000
Utilized Oil Bath Seal Design H.D. Truck & Trailer Hubs		37-1,2,3,4,5,6,7,8,9,10,11,12	3000
General Purpose PTFE Design		D, F, P, W	6500

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SECTION 1-A TECHNICAL

OIL SEAL DESIGN AND SELECTION

NATIONAL OIL SEAL DESIGN TYPE DESCRIPTION

Maximum Pressure PSI @ FPM	Shaft Finish (Micro Inch) μ	Shaft Hardness	STBM Maximum (Shaft to Bore Misalignment @ RPM)	Maximum Shaft Dynamic Runout (DRO)
7 @ 1000 FPM 5 @ 2000 FPM 3 @ 3000 FPM	10-20	Above Rockwell C-45	.015" ECC @ 800 RPM .010" ECC @ 4200 RPM	.025" TIR @ 800 RPM .020" TIR @ 2200 RPM .015" TIR @ 4200 RPM
7 @ 1000 FPM 5 @ 2000 FPM 3 @ 3000 FPM	10-20	Above Rockwell C-45	.020" ECC @ 4200 RPM	.060" TIR @ 4200 RPM
Atmospheric	10-25	Above Rockwell C-45	.005" ECC	.005" TIR
Atmospheric	10-25	Above Rockwell C-45	.010" ECC	.010" TIR
7 @ 1000 FPM 5 @ 2000 FPM 3 @ 3000 FPM	10-20	Above Rockwell C-45	.015" ECC @ 800 RPM .010" ECC @ 4200 RPM	.025" TIR @ 800 RPM .020" TIR @ 2200 RPM .015" TIR @ 4200 RPM
2 @ 2000 FPM	100 Max.	Above Rockwell C-45	.010" ECC Max.	.015" TIR
35 @ 6500 FPM	25 Max.	Above Rockwell C-45	.025" ECC Max.	.015" TIR

SECTION 1-B TECHNICAL

Sealing Element Compounds

MATERIALS AND COMPOUNDS AVAILABLE FOR SEALING ELEMENTS

The environments in which a seal will operate should be determined before selecting the sealing element or lip material. Two of the most important factors in material selection are Lubricant Temperature and Type.

Federal-Mogul National Oil Seals offer a variety of sealing lip materials and compounds. The temperature limitations and fluid/lubricant compatibility for most compounds are shown within the Compound Selection Chart on the following pages.

National Seals are used in a wide range of applications. The seal is part of a system and is dependent on proper shaft and bore operation to function correctly.

Runout, lubrication, shaft-to-bore misalignment, shaft speed, temperature, and other factors vary greatly from one application to another and each may affect the seal's life. In a perfect system, these factors would be nominalized to achieve maximum life for all components. To assist our customers in getting maximum performance from their sealing system, we have provided recommendations below.

Operating a seal at one extreme condition will have a small effect on seal life. However, when a seal is operating at multiple extremes in the system, it will have a much greater impact on performance. Therefore, we ask you to use the following recommendations as a guide to achieving the maximum performance from your seal. Each material or compound has been assigned a specific letter code and is referenced in various tables and listings throughout this manual.

Compound	Code	Advantages	Disadvantages/Limitations	Range	Substitute	Code
Felt	F	Adequate seal for heavy lubricants. Primarily a wiper seal.	Poor performance at low shaft speeds. Inadequate when excessive moisture is present.	-65°F to 200°F -48°C to 93°C	Nitrile Polyacrylic Vamac® Fluoroelastomer Aflas® PTFE	S N E V A T
Leather	L	Good dry running capabilities.	Poor heat resistance. More expensive than Nitrile.	-50°F to 200°F -46°C to 93°C	Nitrile Polyacrylic Vamac® Fluoroelastomer Aflas® PTFE	S N E V A T
Urethane	U	Good lubricant and ozone resistance. Good abrasion resistance. Durable, less susceptible to damage during installation than Silicone	Undergoes substantial softening above 250°F Poor resistance to hot water or steam.	Dependent upon exact compound and usage.	None	
Nitrile	S	Low cost. Good low temp. capability. Low swell in hydrocarbon fluids.	Does not have excellent heat resistance. Poor resistance to lubricants containing sulphur or EP additives, hydrocarbons/oxygenate blends (gasoline/methanol). Poor ozone resistance.	-40°F to 225°F -40°C to 107°C	Polyacrylic Vamac® Fluoroelastomer Aflas® PTFE	N E V A T
Polyacrylate	N	Resistance to EP lubricants. Higher heat capabilities than Nitrile. Low swell in hydrocarbon fluids.	Limited low temperature capability. Poor dry running capability. Subject to attack in aqueous media. Higher cost than Nitrile	-20°F to 300°F -29°C to 149°C	Vamac® Fluoroelastomer Aflas® PTFE	E V A T
Ethylene-Acrylic (Vamac®)	E	Higher heat capabilities than Nitrile or Polyacrylic. Better low temp. performance than Polyacrylic. Good abrasion and dry running capability. Intermediate cost.	High swell in hydrocarbon fluids. Limited capabilities to follow eccentric shafts or perform in high frequency applications.	-30°F to 325°F -34°C to 163°C	Fluoroelastomer Aflas® PTFE	V A T
Silicone	H	Good dry heat resistance. Excellent low temperature capability.	Easily damaged during installation. Poor chemical resistance to certain EP additives and oxidized oil. High swell, poor dry running performance Higher cost than Nitrile.	-80°F to 350°F -62°C to 176°C	Fluoroelastomer Aflas® PTFE	V A T
Fluoro-Elastomer	V	Excellent high temperature capabilities. Compatible with wide range of fluids. Very long life.	Poor resistance to basic (high pH) fluids. Attack by high performance gear lubes. Expensive relative to other materials.	-40°F to 400°F -40°C to 204°C	Aflas® PTFE	A T
Tetrafluoro-Ethylene Propylene (Aflas®)	A	Better chemical resistance to all hydrocarbon fluids, acids, bases and oxidizing agents than Fluoroelastomers. Capable of performing in the complete range of hydraulic fluids. Continuous heat resistance over 400°F. Fair dry abrasion and radiation resistance.	Poor chemical resistance to hydrocarbon/oxygenate blends (gasoline/methanol). Poor low temperature capabilities. More expensive than Fluoroelastomers.	-30°F to 400°F -34°C to 204°C	PTFE	T
PTFE	T	Excellent dry running capabilities. Low coefficient of friction. Excellent chemical resistance. Resistant to hydrocarbon/oxygenate blends.	Poor abrasion resistance to dirty environments. High thermal expansion. Susceptible to damage during installation.	-100°F to 450°F -73°C to 232°C	None	

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SECTION 1-B TECHNICAL

SEALING ELEMENT COMPOUNDS

Compound Selection Chart

Properties	S Nitrile	N Acrylates	E Vamac®	H Silicone	V Fluoroelastomers	A Aflas®
Durometer	60-80	70-75	70-90	80-90	75-85	75-95
Oil Resistance	Very Good	Fair	Good	Fair	Excellent	Excellent
Abrasion Resistance	Excellent	Fair	Good	Poor	Good	Good
Max. Service Temp.	225°F	300°F	325°F	350°F	400°F	400°F
Min. Service Temp.	-40°F	-20°F	-30°F	-80°F	-40°F	-30°F

Ratings: 1 = Minor effect 2 = Moderate effect 3 = Static only 4 = Not Recommended — = insufficient data

Elastomer	S	N	E	H	V	A	Elastomer	S	N	E	H	V	A
Acetaldehyde	4	4	3	2	4	4	Aroclor, 1260	1	4	4	2	1	1
Acetamide	1	4	1	2	2	1	Arsenic Acid	1	3	4	1	1	1
Acetic Acid, Glacial	3	4	4	2	3	4	Arsenic Trichloride (aq)	1	—	—	—	—	—
Acetic Acid, 30%	2	4	3	1	2	4	Askarel	2	4	4	4	1	1
Acetic Anhydride	3	4	3	3	4	4	Asphalt	2	2	—	4	1	1
Acetone	4	4	4	3	4	4	ASTM Method D-471						
Acetophenone	4	4	4	4	4	4	1	1	1	1	3	1	1
Acetyl Chloride	4	4	4	3	1	1	2	1	1	2	3	1	1
Acetylene	1	4	4	2	1	1	3	1	1	3	3	1	2
Acrylonitrile	4	4	4	4	3	2	ASTM #4 Method D-471	2	—	—	4	1	—
Adipic Acid	1	—	2	2	—	1	ASTM Ref Fuel A						
Aero Shell 17 Grease	1	—	2	4	1	1	(MIL-2-3136B (Type 1)	1	2	2	4	1	2
Aero Shell 750	2	—	2	4	1	1	ASTM Ref Fuel B						
Aero Shell 7 A Grease	1	—	2	2	1	1	(MIL-S-3136B (Type 3)	1	—	2	4	1	2
Aero Shell IAC	1	—	—	—	1	1	ASTM Reference Fuel C	2	4	3	4	1	2
Alkazene							ATF Type (Mercon)	1	1	2	2	1	1
(Dibromomethylbenzene)	4	4	4	4	2	2	ATF Type A	1	1	2	2	1	1
Alum-NH ₃ -Cr-K(aq)	1	4	4	1	4	2	ATF Type F	1	1	2	2	1	1
Aluminum Acetate (aq)	2	4	4	4	4	3	ATF Type I	1	1	2	2	1	1
Aluminum Chloride (aq)	1	1	1	2	1	1	ATF Type II	1	1	2	2	1	1
Aluminum Fluoride (aq)	1	—	—	2	1	1	Automotive Brake Fluid	4	—	4	4	4	4
Aluminum Nitrate (aq)	1	—	—	2	1	1	Banana Oil (Amyl Acetate)	4	4	4	4	4	4
Aluminum Phosphate (aq)	1	—	—	1	1	1	Barium Chloride (aq)	1	1	2	1	1	1
Aluminum Sulfate (aq)	1	4	1	1	1	1	Barium Hydroxide (aq)	1	4	2	1	1	1
Ammonia Anhydrous (aq)	2	4	4	3	4	1	Barium Sulfate (aq)	1	4	2	1	1	1
Ammonia Gas (Cold)	1	4	4	1	4	1	Barium Sulfide (aq)	1	4	2	1	1	1
Ammonia Gas (Hot)	4	4	4	1	4	1	Beer	1	4	1	1	1	1
Ammonium Carbonate (aq)	4	4	4	—	—	1	Beet Sugar Liquors	1	4	2	1	1	1
Ammonium Chloride (aq)	1	—	1	—	1	1	Benzaldehyde	4	4	4	2	4	4
Ammonium Hydroxide (conc)	4	4	4	1	2	1	Benzene	4	4	4	4	1	2
Ammonium Nitrate (aq)	1	2	2	—	—	1	Benzene Sulfonic Acid	4	4	4	4	1	1
Ammonium Nitrite (aq)	1	—	—	2	—	1	Benzine (Ligroin)						
Ammonium Persulfate (aq)	4	4	—	—	—	1	(Nirtobenzene) (Pet Ether)	1	1	—	4	1	1
Ammonium Phosphate (aq)	1	—	—	1	—	1	Benzoic Acid	3	3	2	3	1	1
Ammonium Sulfate (aq)	1	4	1	—	4	1	Benzoyl Chloride	4	4	4	—	1	1
Amyl Acetate (Banana Oil)	4	4	4	4	4	4	Benzyl Alcohol	4	4	4	2	1	2
Amyl Alcohol	2	4	4	4	2	3	Benzyl Benzoate	4	4	4	—	1	1
Amyl Borate	1	—	—	—	1	1	Benzyl Chloride	4	4	4	4	1	1
Amyl Chloronaphthalene	4	4	4	4	1	2	Biphenyl (Diphenyl)						
Amyl Naphthalene	4	2	3	4	1	1	(Phenylbenzene)	4	4	4	4	1	1
Aniline	4	4	4	4	3	1	Blast Furnace Gas	4	4	4	1	1	1
Aniline Dyes	4	—	4	4	4	1	Bleach Solutions	4	4	4	2	1	1
Aniline Hydrochloride	4	4	4	3	2	2	Borax	2	2	1	2	1	1
ANILINE OILS	2	4	2	4	2	1	Bordeaux Mixture	2	4	4	2	1	1
Animal Fats	2	1	4	2	1	1	Boric Acid	1	4	1	1	1	1
Ansul Ether (Anesthetics)	1	4	1	4	4	4	Brake Fluid (Non-Petroleum)	4	—	4	4	4	4
API GL-5	3	1	4	4	1	1	Brake Fluid (Wagner 21B)	3	—	4	3	4	3
Aqua Regina	4	4	4	4	2	2	Brine	1	4	3	1	1	1
Aroclor, 1248	3	4	4	2	1	1	Bromine-Anhydrous	4	4	4	4	1	1
Aroclor, 1254	4	4	4	3	1	1	Bromine Trifluoride	4	4	4	4	4	2
							Bromine Water	4	4	4	4	1	1
							Bromobenzene	4	4	4	4	1	1
							Bunker Oil	1	1	2	2	1	1

SECTION 1-B TECHNICAL

Properties	S Nitrile	N Acrylates	E Vamac®	H Silicone	V Fluoroelastomers	A Aflas®
Ratings:	1 = Minor effect	2 = Moderate effect	3 = Static only	4 = Not Recommended	— = insufficient data	
Elastomer	S	N	E	H	V	A
Butadiene	4	4	4	4	1	1
Butane	1	1	2	4	1	1
Butter (Animal Fat)	1	1	1	2	1	1
Butyl Acetate	4	4	4	4	4	4
Butyl Acetyl Ricinoleate	3	—	—	—	1	—
Butyl Acrylate	4	4	4	—	4	4
Butyl Alcohol	1	4	1	2	1	1
Butyl Amine	3	4	4	4	4	2
Butyl Benzoate	4	4	4	—	1	1
Butyl Carbitol	4	4	4	4	1	4
Butyl Cellosolve	3	4	4	—	4	4
Butyl Oleate	4	—	2	—	1	1
Butyl Stearate	2	—	1	—	1	1
Butylene	2	4	1	4	1	1
Butyraldehyde	4	4	4	4	4	2
Calcium Acetate(aq)	2	4	4	4	4	3
Calcium Bisulfite (aq)	4	4	2	1	1	1
Calcium Carbonate	1	—	1	1	1	1
Calcium Chloride (aq)	1	1	1	1	1	1
Calcium Hydroxide (aq)	1	4	2	1	1	1
Calcium Hypochlorite (aq)	2	4	2	2	1	1
Calcium Nitrate (aq)	1	1	1	2	1	1
Calcium Phosphate	1	—	1	1	1	1
Calcium Salts	1	—	1	—	—	1
Calcium Sulfide (aq)	1	4	4	2	1	1
Cane Sugar Liquors	1	4	1	1	1	1
Carbamate	3	4	4	—	1	1
Carbitol	2	4	3	2	2	4
Carbolic Acid (Phenol)	4	4	4	4	1	1
Carbon Bisulfide	3	3	4	4	1	1
Carbon Dioxide	1	—	1	2	1	1
Carbonic Acid	2	1	1	1	1	1
Carbon Monoxide	1	—	1	1	1	1
Carbon Tetrachloride	3	4	4	4	1	4
Castor Oil	1	1	2	1	1	1
Cellosolve	4	4	4	4	3	4
Cellosolve Acetate	4	4	4	4	4	4
Cellulube (Fryquel)	4	4	4	1	1	1
China Wood Oil (Tung Oil)	1	—	2	4	1	1
Chlorine (Dry)	4	4	4	4	1	1
Chlorine (Wet)	4	4	4	4	1	1
Chlorine Dioxide	4	4	4	—	1	1
Chlorine Trifluoride	4	4	4	4	4	4
Chloroacetic Acid	4	4	4	—	4	4
Chloroacetone	4	4	4	4	4	4
Chlorobenzene	4	4	4	4	1	1
Chlorobromomethane	4	4	4	4	1	1
Chlorobutadiene	4	4	4	4	1	1
Chlorododecane	4	4	4	4	1	1
Chloroform	4	4	4	4	1	4
O-Chloronaphthalene	4	4	4	4	1	1
1-Chloro-1-Nitro Ethane	4	4	4	4	4	2
Chlorosulfonic Acid	4	4	4	4	4	2
Chlorotoluene	4	4	4	4	1	2
Chlorox (Sodium Hypochlorite NaOCl)	2	4	4	2	1	1
Chrome Plating Solutions	4	4	4	2	1	1
Chromic Acid	4	4	4	3	1	1
Citric Acid	1	—	1	1	1	1
Coal Tar (Creosote)	1	1	4	1	1	1
Cobalt Chloride (aq)	1	4	4	2	1	1
Elastomer	S	N	E	H	V	A
Cocoa Nut Oil	1	1	1	1	1	1
Cod Liver Oil	1	1	2	2	1	1
Coke Oven Gas	4	4	3	2	1	1
Copper Acetate (aq)	2	4	4	4	4	4
Copper Chloride (aq)	1	1	1	1	1	1
Copper Cyanide (aq)	1	1	2	1	1	1
Copper Sulfate (aq)	1	4	1	1	1	1
Corn Oil	1	1	1	1	1	1
Cottonseed Oil	1	1	1	1	1	1
Creosote (Coal Tar)	1	1	4	4	1	1
Cresol	4	4	4	4	1	1
Cresylic Acid	4	4	4	4	1	1
Crude Oil	2	—	2	4	1	1
Cumene	4	4	4	4	1	1
Cutting Oil	1	—	2	4	1	1
Cyclohexane	1	1	3	4	1	2
Cyclohexanol	3	—	1	4	1	2
Cyclohexanone	4	4	4	4	4	2
P-Cymene	4	4	4	4	1	1
DC44M Hi Temp Silicone Grease	3	3	3	3	1	1
Decaline	4	—	—	4	1	1
Decane	1	1	2	2	1	2
Delco Brake Fluid	4	—	4	4	4	4
Denatured Alcohol	1	4	3	1	1	1
Detergent Solutions	1	4	1	1	1	1
Developing Fluids	1	—	2	1	1	1
Dextron	1	—	2	4	1	1
Diacetone	4	4	4	4	4	4
Diacetone Alcohol	4	4	4	2	4	4
Dibenzyl Ether	4	—	4	—	4	4
Dibenzyl Sebecate	4	4	4	3	2	2
Dibromoethylbenzene (Alkazene)	4	4	4	4	2	2
Dibutyl Amine	4	4	4	3	4	1
Dibutyl Ether	4	3	4	4	3	2
Dibutyl Phthalate	4	4	4	2	3	1
Dibutyl Sebecate	4	4	4	2	2	1
O-Dichlorobenzene	4	4	4	4	1	1
Dichloro-Isopropyl Ether	4	3	4	4	3	4
Dicyclohexylamine	3	4	—	—	4	1
Diesel Oil	1	1	1	4	1	2
Di-Ester Lubricant (MIL-L-7808)	2	—	4	4	1	2 or 3
Di-Ester Synthetic Lubricant	2	—	4	4	1	2 or 3
Diethylamine	2	4	4	2	4	1
Diethyl Benzene	4	—	—	4	1	1
Diethyl Ether	4	3	4	4	4	4
Diethylene Glycol	1	2	1	2	1	1
Diethyl Sebecate	2	4	4	2	2	1
Diisobutylene	2	4	4	4	1	1
Diisopropyl Benzene	4	—	—	—	1	1
Diisopropyl Ketone	4	4	4	4	4	4
Diisopropylidene Acetone (Phorone)	4	4	4	4	4	4
Dimethyl Aniline (Xylidine)	3	4	4	4	4	2
Diethyl Ether (Methyl Ether) (Monomethyl Ether)	1	4	4	1	1	3
Dimethyl Formamide	2	4	3	2	4	4
Dimethyl Phthalate	4	4	4	—	2	1
Dinitrotoluene	4	4	4	4	4	4
Diocetyl Phthalate	3	4	4	3	2	1

SECTION 1-B TECHNICAL

Properties	S Nitrile	N Acrylates	E Vamac®	H Silicone	V Fluoroelastomers	A Aflas®
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Ratings: 1 = Minor effect 2 = Moderate effect 3 = Static only 4 = Not Recommended — = insufficient data

Elastomer	S	N	E	H	V	A
Diocetyl Sebecate	4	4	4	3	2	1
Dioxane	4	4	4	4	4	4
Dioxalane	4	4	4	4	4	4
Dipentene	2	4	4	4	1	1
Diphenyl (Biphenyl) (Phenylbenzene)	4	4	4	4	1	1
Diphenyl Oxides	4	4	4	3	1	1
Dowtherm Oil	4	4	2	3	1	1
Drink Water (See Note Re. Water)	1	—	1	1	1	1
Dry Cleaning Fluids	3	4	3	4	1	2
Elco 28-EP Lubricant	1	—	1	4	1	1
Engine Oil (Diester Motor Oil)	2	1	2	1	1	1
Engine Oil (Hydrocarbon Motor Oil)	1	1	1	1	1	1
Epichlorohydrin	4	4	4	4	4	4
EP Lubes	2	1	2	4	1	1
ESSO GX 80W90 (GL-5)	2	1	2	4	1	1
ESSO Motor Oil	1	—	1	4	1	1
ESSO Transmission Fluid (TYPE A)	1	—	2	4	1	1
ESSO XP90 EP Lubricant	1	—	2	4	1	1
Ethane	1	1	2	4	1	1
Ethanol (Ethyl Alcohol)	1	4	3	1	3	2
Ethanolamine	2	4	4	2	4	1
Ethyl Acetate	4	4	4	2	4	4
Ethyl Acetoacetate	4	4	4	2	4	4
Ethyl Acrylate	4	4	4	2	4	2
Ethyl Alcohol	1	4	3	1	3	1
Ethyl Benzene	4	4	4	4	1	2
Ethyl Benzoate	4	4	3	4	1	2
Ethyl Cellosolve	4	4	4	4	4	4
Ethyl Cellulose	2	4	3	3	4	1
Ethyl Chloride	1	4	4	4	1	1
Ethyl Chlorocarbonate	4	4	4	4	1	1
Ethyl Chloroformate	4	4	4	4	4	4
Ethyl Ether	3	4	4	4	4	4
Ethyl Formate	4	—	4	—	1	4
Ethyl Mercapton	4	—	4	3	2	1
Ethyl Oxalate	4	4	4	4	1	1
Ethyl Pentachlorobenzene	4	4	4	4	1	1
Ethyl Silicate	1	—	—	—	1	1
Ethylene	1	—	4	—	1	1
Ethylene Chloride	4	4	4	4	2	1
Ethylene Chlorohydrin	4	4	4	2	1	2
Ethylene Diamine	1	4	4	1	4	1
Ethylene Dichloride	4	4	4	4	1	1
Ethylene Glycol	1	3	1	1	1	1
Ethylene Oxide	4	4	4	4	4	4
Ethylene Trichloride	4	4	4	4	1	1
Fatty Acids	2	—	1	3	1	1
Ferric Chloride (aq)	1	1	2	2	1	1
Ferric Nitrate (aq)	1	1	2	3	1	1
Ferric Sulfate (aq)	1	1	2	2	1	1
Fish Oil	1	—	—	1	1	1
Fluorinated Cyclic Ethers	—	—	4	—	—	4
Fluorine (Liquid)	4	4	—	4	2	2
Fluorobenzene	4	4	4	4	1	1
Fluoroboric Acid	1	—	—	—	—	1
Fluorocarbon Oils	—	—	4	—	—	3

Elastomer	S	N	E	H	V	A
Fluorolube	1	—	4	1	2	2
Fluorosilicic Acid (Hydrofluosilicic Acid)	1	—	2	4	1	1
Formaldehyde (RT)	3	4	4	2	4	3
Formic Acid	2	—	2	2	3	2
Freon 11	2	—	3	4	1	4
Freon 12	1	1	3	4	2	4
Freon 13	1	—	3	4	1	4
Freon 21	4	—	3	4	4	4
Freon 22	4	2	4	4	4	4
Freon 31	4	—	3	—	4	4
Freon 32	1	—	3	—	4	4
Freon 112	3	—	3	4	1	4
Freon 113	1	—	3	4	2	4
Freon 114	1	—	3	4	2	4
Freon 115	1	—	3	—	1	4
Freon 134A	4	4	2	4	4	4
Freon 142b	1	—	3	—	4	4
Freon 152a	1	—	3	—	4	4
Freon 218	1	—	3	—	1	4
Freon C316	1	—	3	—	—	4
Freon C318	1	—	3	—	2	4
Freon 1381	1	—	3	4	1	4
Freon 114B2	2	—	3	4	2	4
Freon 502	2	—	3	—	2	4
Freon TF	1	—	3	4	2	4
Freon T-WD602	2	—	3	4	1	4
Freon TMC	2	—	3	3	1	4
Freon T-P35	1	—	3	1	1	4
Freon TA	1	—	3	3	3	4
Freon TC	1	—	3	4	1	4
Freon MF	1	—	3	4	2	4
Freon BF	2	—	3	4	1	4
Fuel Oil	1	1	1	4	1	1
Fumaric Acid	1	4	—	2	1	1
Furan, Furfuran	4	4	4	—	—	4
Furfural	4	4	4	4	4	4
Fyrquel (Cellulube)	4	4	—	1	1	1
Gallic Acid	2	4	4	—	1	1
Gasohol (10% Ethanol, Ormethanol)	2	4	4	4	1	2
Gasoline (Lead And No-lead)	2	4	2	4	1	1
Gasoline	2	4	2	4	1	1
Gelatin	1	4	1	1	1	1
Glauber's Salt (aq)	4	4	1	—	1	1
Glucose	1	—	1	1	1	1
Glue	1	—	1	1	1	1
Glycerine	1	3	1	1	1	1
Glycols	1	4	1	1	1	1
Grease	1	2	2	1	1	1
Green Sulfate Liquor	2	2	1	1	1	1
Gulf High Temperature Grease	1	—	1	4	1	1
Halowax Oil	4	—	—	4	1	1
N-Hexaldehyde	4	—	2	2	4	3
Hexane	1	1	1	4	1	2
N-Hexene-1	2	1	1	4	1	1
Hexyl Alcohol	1	4	1	2	1	1
High Viscosity Lubricant, H2	1	—	1	1	1	1
High Viscosity Lubricant, U4	1	—	1	1	1	1
Hydrazine	2	—	—	3	4	3
Hydraulic Oil (Petroleum)	1	1	1	3	1	1
Hydrobromic Acid	4	4	2	4	1	1

SECTION 1-B TECHNICAL

Properties	S Nitrile	N Acrylates	E Vamac®	H Silicone	V Fluoroelastomers	A Aflas®
Ratings:	1 = Minor effect	2 = Moderate effect	3 = Static only	4 = Not Recommended	— = insufficient data	
Elastomer	S	N	E	H	V	A
Hydrobromic Acid 40%	4	4	4	4	1	1
Hydrochloric Acid (Cold) 37%	3	4	4	3	1	1
Hydrochloric Acid (Hot) 37%	4	4	4	4	2	1
Hydrocyanic Acid	2	4	—	3	1	1
Hydrofluoric Acid (Con.) Cold	4	4	4	4	1	1
Hydrofluoric Acid (Conc.) Hot	4	4	4	4	3	1
Hydrofluoric Acid — Anhydrous	4	4	4	4	4	1
Hydrofluosilicic Acid (Fluosilicic Acid)	1	—	—	4	1	1
Hydrogen Gas	1	2	1	3	1	1
Hydrogen Peroxide (90%)	4	4	4	2	2	1
Hydrogen Sulfide (Wet) Cold	4	4	4	3	4	1
Hydrogen Sulfide (Wet) Hot	4	4	4	3	4	1
Hydroquinone	3	4	—	—	2	2
Hyjet	4	—	4	—	4	3
Hyjet III	4	—	4	—	4	3
Hyjet S	4	—	4	—	4	3
Hyjet W	4	—	4	—	4	3
Hypochlorous Acid	4	4	4	—	1	1
Iodine Pentafluoride	4	4	4	4	4	—
Iodoform	—	—	—	—	—	—
Isobutyl Alcohol	2	4	1	1	1	1
Isooctane	1	1	1	4	1	2
Isophorone	4	4	4	4	4	4
Isopropyl Acetate	4	4	4	4	4	4
Isopropyl Alcohol	2	4	1	1	1	1
Isopropyl Chloride	4	4	4	4	1	1
Isopropyl Ether	2	3	4	4	4	4
Kerosene	1	1	3	4	1	1
Lacquers	4	4	4	4	4	3
Lacquer Solvents	4	4	4	4	4	4
Lactic Acid (Cold)	1	4	3	1	1	1
Lactic Acid (Hot)	4	4	3	2	1	1
Lard	1	1	1	2	1	1
Lavender Oil	2	2	2	4	1	1
Lead Acetate (aq)	2	4	4	4	4	4
Lead Nitrate (aq)	1	—	4	2	—	1
Lead Sulfamate (aq)	2	4	4	2	1	1
Legroin (Benzine) (Nitrobenzene) (Pet Ether)	1	1	4	4	1	2
Lime Bleach	1	4	4	2	1	1
Lime Sulfur	4	4	4	1	1	1
Lindol (Hydraulic Fluid)	4	4	4	3	2	1
Linoleic Acid	2	—	3	2	2	1
Linseed Oil	1	1	1	1	1	1
Liquified Petroleum Gas	1	3	1	3	1	1
Lubricating Oils (Petroleum)	1	1	1	4	1	1
Lye	2	4	4	2	2	1
Magnesium Chloride (aq)	1	—	1	1	1	1
Magnesium Hydroxide (aq)	2	4	1	—	1	1
Magnesium Sulfate (aq)	1	4	1	1	1	1
Maleic Acid	4	4	1	—	1	1
Maleic Anhydride	4	4	—	—	4	1
Malic Acid	1	4	3	2	1	1
Mek ((MMehtyl Ethyl Ketone)	4	4	4	4	4	4
Mercury Chloride (aq)	1	—	—	—	1	1
Mercury	1	—	1	—	1	1
Mesityl Oxide	4	4	—	4	4	—
Elastomer	S	N	E	H	V	A
Methane	1	1	1	4	2	1
Methanol (Methyl Alcohol)	1	4	1	1	4	2
Methyl Acetate	4	4	4	4	4	4
Methyl Acrylate	4	4	4	4	4	4
Methylacrylic Acid	4	4	4	4	4	1
Methyl Alcohol	1	2	1	1	4	1
Methyl Bromide	2	3	—	—	1	1
Methyl Butyl Ketone (Propyl Acetone)	4	4	4	3	4	4
Methyl Cellosolve	3	4	4	4	4	1
Methyl Chloride	4	4	4	4	2	1
Methyl Cyclopentane	4	4	4	4	2	1
Methylene Chloride	4	4	4	4	2	2
Methyl Ether (Dimethyl Ether) (Monomethyl Ether)	4	4	4	4	2	2
Methyl Ethyl Ketone	4	4	4	4	4	4
Methyl Formate	4	—	4	—	—	—
Methyl Isobutyl Ketone	4	4	4	4	4	4
Methyl Methacrylate	4	4	4	4	4	3
Methyl Oleate	4	—	—	—	2	1
Methyl Salicylate	4	—	—	—	—	1
Milk	1	4	1	1	1	1
Mineral Oil	1	1	1	2	1	1
Monochlorobenzene	4	4	4	4	1	2
Monomethyl Aniline	4	4	4	—	2	1
Monoethanol Amine	4	4	4	2	4	4
Monomethyl Ether (Methyl Ether) (Dimethyl Ether)	1	4	1	1	1	3
Monovinyl Acetylene	1	—	—	2	1	1
Mustard Gas	—	—	—	1	—	1
MIL-L-644 B	1	2	2	3	—	—
MIL-L-2104 B	1	1	1	3	1	1
MIL-L-2105 B	1	1	1	3	1	1
MIL-G-2108	1	1	1	3	1	1
MIL-S-3136 B Type I	1	2	2	4	1	2
MIL-S-3136 B Type II	1	—	—	4	1	2
MIL-S-3136 B Type III	1	—	4	4	1	2
MIL-S-3136 B Type IV	1	1	1	3	1	2
MIL-S-3136 B Type V	1	1	1	3	1	2
MIL-S-3136 B Type VI	1	1	1	3	1	2
MIL-S-3136 B Type VII	1	—	—	4	1	2
MIL-L-3150 A	1	1	1	3	1	2
MIL-L-3503	1	1	1	3	1	2
MIL-L-3545 B	2	2	2	4	1	2
MIL-C-4339 C	1	1	1	3	1	2
MIL-G-4343 B	2	1	—	4	1	1
MIL-L-5020 A	1	2	2	4	1	2
MIL-J-5161 F	1	—	2	4	1	2
MIL-C-5545 A	2	2	—	4	1	2
MIL-H-5559 A	1	3	2	2	2	1
MIL-F-5566	1	—	2	1	1	1
MIL-F-5602	1	1	3	3	1	2
MIL-H-5606 B (Red Oil)	1	1	2	4	1	—
MIL-J-5624 G JP-3, JP-4, JP-5	1	2	3	4	1	2
MIL-O-6081 C	1	1	2	3	1	2
MIL-L-6082 C	1	1	2	3	1	2
MIL-H-6083 C	1	1	2	3	1	2
MIL-L-6085 A	1	3	4	3	1	2
MIL-L-6086 B	1	1	2	3	1	2
MIL-L-6387 A	1	—	—	3	1	2
MIL-C-6529 C	2	2	3	4	1	2
MIL-F-7024 A	1	2	3	4	1	2
MIL-H-7083 A	1	3	2	2	2	1

SECTION 1-B TECHNICAL

Properties	S Nitrile	N Acrylates	E Vamac®	H Silicone	V Fluoroelastomers	A Aflas®
Ratings:	1 = Minor effect	2 = Moderate effect	3 = Static only	4 = Not Recommended	— = insufficient data	
Elastomer	S	N	E	H	V	A
MIL-G-7118 A	1	3	4	3	1	2
MIL-G-7187	1	1	2	3	1	2
MIL-G-7421 A	1	—	—	3	1	2
MIL-H-7644	2	2	3	4	1	1
MIL-L-7645	2	2	3	4	1	2
MIL-G-7711 A	1	1	2	3	1	2
MIL-L-7808 F	1	3	4	3	1	2
MIL-L-7870 A	1	1	2	3	1	3
MIL-C-8188 C	1	3	3	3	1	3
MIL-A-8243 B	1	3	2	2	2	1
MIL-L-8383 B	1	1	2	3	1	2
MIL-H-8446 B (MLO-8515)	2	3	4	4	1	2
MIL-1-8660 B	1	—	—	4	1	1
MIL-L-9000 F	1	2	3	4	1	2
MIL-T-9188 B	4	4	4	4	4	2
MIL-L-9236 B	1	3	3	4	1	3
MIL-L-10295 A	1	1	2	3	1	2
MIL-L-10324 A	1	1	2	3	1	2
MIL-G-10924 B	1	1	1	3	1	2
MIL-L-11734 B	1	3	2	3	1	2
MIL-O-11773	1	3	3	3	1	2
MIL-P-12098	2	2	2	4	1	1
MIL-H-13862	1	1	1	3	1	2
MIL-H-13866 A	1	1	1	3	1	2
MIL-H-13910 B	2	2	2	4	1	1
MIL-H-13919 A	1	1	1	3	1	2
MIL-L-14107 B	3	—	1	4	1	2
MIL-L-15017	1	1	1	3	1	2
MIL-L-15018 B	1	1	1	3	1	2
MIL-L-15019 C	1	1	1	3	1	2
MIL-L-15719 A	2	2	2	4	1	1
MIL-G-15793	1	3	3	3	1	2
MIL-F-16929 A	1	3	4	3	1	2
MIL-L-16958 A	1	1	1	3	1	2
MIL-F-17111	1	1	1	3	1	2
MIL-L-17331 D	1	1	1	3	1	2
MIL-L-17353 A	1	—	—	3	1	2
MIL-L-17672 B	1	1	1	3	1	2
MIL-L-18486 A	1	1	1	3	1	2
MIL-G-18709 A	1	1	1	3	1	2
MIL-H-19457 B	4	4	4	4	4	3
MIL-F-19605	1	—	—	4	1	2
MIL-L-19701	1	3	3	3	1	2
MIL-L-21260	1	1	1	3	1	2
MIL-S-21568 A	1	1	1	4	1	1
MIL-H-22072	1	3	2	2	2	2
MIL-L-22396	1	1	1	3	1	2
MIL-L-23699 A	1	3	2	3	1	2
MIL-G-23827 A	1	3	2	3	1	2
MIL-G-25013	1	2	2	4	1	2
MIL-F-25172	1	—	—	4	1	2
MIL-L-25336 B	1	3	3	3	1	2
MIL-F-25524 A	1	—	1	4	1	2
MIL-G-25537 A	1	1	1	3	1	2
MIL-F-25558 B (RJ-1)	1	1	1	3	1	1
MIL-F-25576 C (RP-1)	1	1	1	4	1	1
MIL-H-25598	1	1	1	3	1	2
MIL-F-25656 B	1	—	—	4	1	1
MIL-L-25681 C	1	2	2	4	1	1
MIL-G-25760 A	1	3	3	4	1	2
MIL-G-25968	1	3	3	3	1	2
MIL-L-26087 A	1	1	2	3	1	2
MIL-G-27343	1	—	—	4	1	1
MIL-H-27601 A	2	2	2	4	1	2
MIL-G-27617	4	—	—	4	1	1
Elastomer	S	N	E	H	V	A
MIL-I-27686 D	1	3	2	2	2	2
MIL-L-27694 A	1	—	—	4	1	1
MIL-L-46000 A	1	3	3	3	1	2
MIL-H-46001 A	1	1	1	3	1	2
MIL-L-46002	1	—	—	3	1	2
MIL-H-46004	1	1	1	3	1	2
MIL-P-46046 A	2	2	2	4	1	1
MIL-H-81019 B	1	1	1	3	1	2
MIL-S-81087	1	—	—	4	1	1
Naphtha	2	2	4	4	1	1
Naphthalene	4	—	4	4	1	1
Naphthalenic Acid	2	—	—	4	1	1
Natural Gas	1	2	4	1	1	1
Neats Foot Oil	1	1	4	2	1	1
Neville Acid	4	4	4	4	1	1
Nickel Acetate (aq)	2	4	4	4	4	4
Nickel Chloride (aq)	1	3	4	1	1	1
Nickel Sulfate (aq)	1	4	4	1	1	1
Niter Cake	1	4	4	1	1	1
Nitric Acid (Con.)	4	4	4	4	3	2
Nitric Acid (Dilute)	4	4	4	2	1	2
Nitric Acid — Red Fuming	4	4	4	4	4	2
Nitrobenzene	4	4	4	4	2	1
Nitrobenzene (Petroleum Ether)	1	1	4	4	1	1
Nitroethane	4	4	4	4	4	1
Nitrogen	1	1	1	1	1	1
Nitrogen Tetroxide	4	4	4	4	4	1
Nitromethane	4	4	4	4	4	1
O-A-548 a	1	3	2	2	2	—
O-T-634 b	3	4	4	4	1	—
Octachlorotoluene	4	4	4	4	1	2
Octadecane	1	2	2	4	1	1
N-octane	2	4	1	4	1	1
Octyl Alcohol	2	4	1	2	1	1
Oleic Acid	3	4	3	4	2	1
Oleum Spirits	2	—	4	4	1	2
Olive Oil	1	1	1	3	1	1
O-Dichlorobenzene	4	4	2	4	1	1
Oxalic Acid	2	—	1	2	1	1
Oxygen — Cold	2	2	4	1	1	1
Oxygen — (200-400°F)	4	4	4	2	2	1
Ozone	4	2	1	1	1	1
Paint Thinner, Duco	4	4	4	4	2	2
Palmitic Acid	1	2	—	4	1	1
Peanut Oil	1	1	1	1	1	1
Perchloric Acid	4	4	4	4	1	1
Perchloroethylene	2	4	4	4	1	1
Petroleum — Below 250°F	1	2	2	2	1	1
Petroleum — Above 250°F	4	4	2	4	2	1
Phenol (Carbolic Acid)	4	4	4	4	1	1
Phenylbenzene (Diphenyl)	4	4	4	4	1	1
(Diphenyl)	4	4	4	4	1	1
Phenyl Ethyl Ether	4	4	4	4	4	3
Phenyl Hydrazine	4	4	4	—	1	1
Phorone (Diisopropylidene Acetone)	4	4	4	4	4	4
Phosphoric Acid — 20%	2	—	2	2	1	1
Phosphoric Acid — 45%	4	—	2	3	1	1
Phosphorus Trichloride	4	—	—	—	1	1

SECTION 1-B TECHNICAL

Properties	S Nitrile	N Acrylates	E Vamac®	H Silicone	V Fluoroelastomers	A Aflas®
Ratings:	1 = Minor effect	2 = Moderate effect	3 = Static only	4 = Not Recommended	— = insufficient data	
Elastomer	S	N	E	H	V	A
Pickling Solution	4	4	4	4	2	1
Picric Acid	2	—	4	4	1	1
Pinene	2	4	4	4	1	1
Pine Oil	4	—	2	3	1	1
Piperidine	4	4	4	4	4	—
Plating Solution — Chrome	—	—	—	4	1	1
Plating Solution — Others	1	—	—	4	1	1
Polyvinyl Acetate Emulsion	—	—	1	—	—	—
Potassium Acetate (aq)	2	4	4	4	4	4
Potassium Chloride (aq)	1	1	1	1	1	1
Potassium Cupro Cyanide (aq)	1	1	1	1	1	1
Potassium Cyanide (aq)	1	1	1	1	1	1
Potassium Dichromate (aq)	1	1	2	1	1	1
Potassium Hydroxide (aq)	2	4	4	3	4	1
Potassium Nitrate (aq)	1	1	1	1	1	1
Potassium Sulfate (aq)	1	4	—	1	1	1
Producer Gas	1	2	1	2	1	1
Propane	1	1	1	4	1	1
i-Propyl Acetate	4	4	4	4	4	4
n-Propyl Acetate	4	4	4	4	4	4
Propyl Acetone (Methyl Butyl Ketone)	4	4	4	3	4	4
Propyl Alcohol	1	4	1	1	1	1
Propyl Nitrate	4	4	4	4	4	1
Propylene	4	4	4	4	1	1
Propylene Oxide	4	4	4	4	4	4
Pydraul, 10E, 29 ELT	4	4	4	4	1	1
Pydraul, 30E, 50E, 65E, 90E	4	4	4	1	1	1
Pydraul, 115E	4	4	4	4	1	1
Pydraul, 230E, 312C, 540C	4	4	4	4	1	1
Pyranolo, Transformer Oil	1	1	4	4	1	1
Pyridine	4	4	4	4	4	1
Pyroligneous Acid	4	4	4	—	4	—
Pyrrole	4	4	4	2	4	3
P-S-661 b.	1	—	—	4	1	—
P-D-680	1	—	—	4	1	—
Radiation	3	3	1	3	4	1
Rapeseed Oil	2	2	2	4	1	1
Red Oil (MIL-H-5606)	1	1	2	4	1	1
RJ-1 (MIL-F-25558 B)	1	1	2	4	1	1
RP-1 (MIL-F-25576 C)	1	1	2	4	1	1
SAE 30	1	1	1	1	1	1
SEA 90	1	1	1	4	1	1
SAE 90 EP(GL-5)	2	1	2	4	1	1
Sal Ammoniac	1	1	1	2	1	1
Salicylic Acid	2	—	1	—	1	1
Salt Water	1	4	1	1	1	1
Sewage	1	4	1	1	1	1
Shell Alvania Grease #2	1	—	1	2	1	1
Silicate Esters	2	—	4	4	1	1
Silicone Greases	1	1	1	3	1	1
Silicone Oils	1	1	1	3	1	1
Silver Nitrate	2	1	1	1	1	1
Skydrol 500	4	4	4	3	4	2
Skydrol 7000	4	4	4	3	2	2
Soap Solutions	1	4	1	1	1	1
Soda As	1	—	1	1	1	1
Sodium Acetate (aq)	2	4	4	4	4	4
Sodium Bicarbonate (aq) (Baking Soda)	1	—	1	1	1	1
Sodium Bisulfite (aq)	1	4	1	1	1	1
Sodium Borate (aq)	1	—	1	1	1	1
Elastomer	S	N	E	H	V	A
Sodium Chloride (aq)	1	—	1	1	1	1
Sodium Cyanide (aq)	1	—	1	1	1	1
Sodium Hydroxide (aq)	2	3	1	2	2	1
Sodium Hypochlorite (aq) (Chlorox)	2	4	2	2	1	1
Sodium Metaphosphate (aq)	1	—	—	—	1	1
Sodium Nitrate (aq)	1	—	—	4	—	1
Sodium Perborate (aq)	2	—	2	2	1	1
Sodium Peroxide (aq)	2	4	3	4	1	1
Sodium Phosphate (aq)	1	1	2	4	1	1
Sodium Silicate (aq)	1	—	1	—	1	1
Sodium Sulfate (aq)	1	4	2	1	1	1
Sodium Thiosulfate (aq)	2	4	2	1	1	1
Soybean Oil	1	1	2	1	1	1
Stannic Chloride (aq)	1	—	2	2	1	1
Stannous Chloride (aq)	1	—	2	2	1	1
Steam Under 300°F	4	4	1	3	4	1
Steam Over 300°F	4	4	1	4	4	1
Stearic Acid	2	—	4	2	—	1
Stoddard Solvent	1	1	3	4	1	1
Styrene	4	4	4	4	2	2
Sucrose Solution	1	4	1	1	1	1
Sulfite Liquors	2	4	4	4	1	1
Sulfur	4	4	2	3	1	1
Sulfur Chloride (aq)	3	4	2	3	1	1
Sulfur Dioxide (Dry)	4	4	2	2	1	1
Sulfur Dioxide (Wet)	4	4	2	2	1	1
Sulfur Dioxide (Liquified) Under Pressure	4	4	2	2	1	1
Sulfur Hexafluoride	2	4	4	2	1	1
Sulfur Trioxide	4	4	4	2	1	1
Sulfuric Acid (Dilute)	3	2	4	4	1	1
Sulfuric Acid (Conc.)	4	4	4	4	1	1
Sulfuric Acid (20% Oleum)	4	4	4	4	1	1
Sulfurous Acid	2	4	4	4	1	1
Sunoco All Purpose Grease	1	—	1	4	1	1
Sunoco SAE 10	1	—	2	4	1	1
Tannic Acid	1	4	2	2	1	1
Tar, Bituminous	2	4	4	2	1	1
Tartaric Acid	1	—	2	1	1	1
Terpineol	2	—	—	—	1	1
Tertiary Butyl Alcohol	2	4	3	2	1	1
Tertiary Butyl Catechol	4	4	4	—	1	—
Tertiary Butyl Mercaptan	4	4	4	4	1	1
Tetrabromoethane	4	4	4	4	1	1
Tetrabromomethane	4	—	4	4	1	1
Tetrabutyl Titanate	2	—	—	—	1	1
Tetrochloroethylene	4	4	4	4	1	1
Tetraethyl Lead	2	—	3	—	1	1
Tetrahydrofuran	4	4	4	4	4	4
Tetralin	4	—	—	4	1	1
Thionyl Chloride	4	4	4	—	2	1
Titanium Tetrachloride	2	4	4	4	1	1
Toluene	4	4	4	4	1	4
Toluene Diisocyanate	4	4	4	4	4	4
Transformer Oil	1	2	1	2	1	1
Transmission Fluid Type A	1	1	1	2	1	1
Triacetin	2	4	4	—	4	2
Triaryl Phosphate	4	4	4	3	1	1
Tributoxy Ethyl Phosphate	4	4	4	—	1	1
Tributyl Mercaptan	4	4	4	4	1	1
Tributyl Phosphate	4	4	4	4	4	1

SECTION 1-B TECHNICAL

Properties	S Nitrile	N Acrylates	E Vamac®	H Silicone	V Fluoroelastomers	A Aflas®
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Ratings: 1 = Minor effect 2 = Moderate effect 3 = Static only 4 = Not Recommended — = insufficient data

Elastomer	S	N	E	H	V	A
Trichloroacetic Acid	2	4	4	—	3	2
Trichloroethane	4	4	4	4	1	1
Trichloroethylene	4	4	4	4	1	4
Tricresyl Phosphate	4	4	2	3	1	1
Triethanol Amine	2	4	1	—	4	1
Triethyl Aluminum.	4	4	4	—	2	1
Triethyl Borane.	4	4	4	—	1	1
Trinitrotoluene	4	4	4	—	2	2
Trioctyl Phosphate	4	4	2	3	2	1
Tung Oil (China Wood Oil)	1	—	2	4	1	1
Turbine Oil	2	1	2	4	1	1
Turbo Oil #35	1	—	2	4	1	1
Turpentine	1	2	4	4	1	1
Type I Fuel (MIL-S-3136)	1	—	1	4	1	1
Type II Fuel (MIL-L-3136)	2	—	2	4	1	1
Type III Fuel (MIL-L-3136)	2	—	4	4	1	1
TT-N 95 a	1	—	—	4	1	2
TT-N-97 B	1	3	3	4	1	2
TT-I-735 b	1	—	—	1	1	1
TT-S-735 Type I	1	2	2	4	1	2
TT-S-735 Type II.	1	—	—	4	1	2
TT-S-735 Type III	1	—	—	4	1	2
TT-S-735 Type IV	1	1	2	3	1	2
TT-S-735 Type V	1	1	1	3	1	2
TT-S-735 Type VI	1	1	1	3	1	2
TT-S-735 Type VII	1	—	—	4	1	2
TT-T656b	4	4	4	4	4	3
Unsymmetrical Dimethyl Hydrazine (UDMH)	2	—	—	4	4	—

Elastomer	S	N	E	H	V	A
Varnish.	2	4	1	4	1	1
Vegetable Oils	1	1	1	2	1	1
Versilube F-50	1	1	2	3	1	1
Vinegar	2	4	2	1	1	2
Vinyl Chloride.	4	4	4	—	1	1
VV-B-680	2	2	2	4	1	1
VV-G-632	1	1	2	3	1	2
VV-G-671c	1	1	2	3	1	2
VV-H-910	2	2	2	4	1	1
VV-I-530a	1	1	2	3	1	2
VV-K-211d	1	—	—	4	1	2
VV-K-220a	1	2	2	4	1	2
VV-L-751b	2	2	2	4	1	2
VV-L-800	1	1	1	3	1	2
VV-L-820b	1	1	1	3	1	2
VV-L-825a Type I	1	1	1	3	1	2
VV-L-825a Type II	1	1	1	3	1	2
VV-L-825a Type III	2	2	3	4	1	2
VV-O-526	1	1	2	3	1	2
VV-P-216a	1	1	2	3	1	2
VV-P-236	2	2	3	4	1	2
Wagner 21 Brake Fluid	3	—	4	3	4	1
Water	1	4	1	1	1	1
Whiskey, Wines	1	4	1	1	1	1
White Pine Oil	2	—	—	4	1	1
White Oil	1	1	1	4	1	1
Wood Oil	1	1	1	4	1	1
Xylene	4	4	4	4	1	3
Xylidine (Di-methyl Aniline) . . .	3	4	4	4	4	2
51-F-23	1	1	1	3	1	1

SECTION 1-C TECHNICAL

Sealing System Preparation And Seal Installation

STORAGE AND HANDLING OF OIL SEALS

Introduction

Careful storage and handling of radial lip type seals is necessary to avoid hazards prior to installation which would adversely affect service life.

General Storage

Radial lip type seals are very robust long lived components. However, as with any precision components they should be stored with care as the service life of bearings and/or other costly machined parts may depend upon how well the seal performs. Hazards which may be encountered include: temperature, ozone, humidity, radioactive materials, fumes, dust, grit and mechanical damage.

The storage area should be cool (60° to 90°F) and with average (40 to 70%) humidity. Seals should be stored on a first in - first out basis, since even under ideal conditions, an unusually long shelf life may cause deterioration of element materials. Excessive heat and/or exposure to ozone can cause premature aging of some types of sealing elements thus reducing service life. Avoid storage near sources of heat. To prevent ozone aging, keep away from direct or reflected sunlight and electrical equipment that may generate ozone. Excessive humidity will deteriorate some seal element materials as well as cause corrosive damage to metal cases and springs.

Oil seals should be stored in a place other than a work area to avoid possible mechanical damage by equipment or falling objects. A closed container will provide protection from mechanical damage, as well as dust, grit and other contaminants.

Mechanical Damage

Many oil seal failures can be traced to improper handling or storage of the seal. To avoid damage:

- Keep in the box in which they were originally packed. Never store seals unprotected in open bins.
- Never hang seals on a hook.
- Never tag seals.
- Keep seals clean.
- Avoid dropping seals. This may dislodge the spring, distort or contaminate the seal.
- Never use old or damaged seals.

Lip Compound Age Resistance (Shelf Life)

Resistance to deterioration in storage varies between elastomers. Proper storage under conditions which minimize aging effect is extremely important. The chart below presumes proper storage conditions and reflects general usage applications.

Type of Lip Material	Shelf Life
Urethane	3 to 5 years
Nitrile	5 to 10 years
AFLAS®, Fluoroelastomer, Silicone,	Up to 20 years
Polyacrylate, VAMAC®	Up to 20 years
Felt, Leather, PTFE	Indefinite

SECTION 1-C TECHNICAL

Sealing System Preparation And Seal Installation

SHAFT REQUIREMENTS

Proper engineering of the components of the assembly is necessary for seal reliability. Shaft requirements have been determined by the Rubber Manufacturer's Association, which includes Federal-Mogul Corporation, through thousands of hours of testing. The following items should be considered at the original equipment design stage or whenever an existing application is to be upgraded.

Shaft Finish — Shaft finish, a prime factor in proper functioning of a lip seal, should be specified as 10-25 microinches Ra (0.20-0.60 micrometers Ra) with no machine lead.

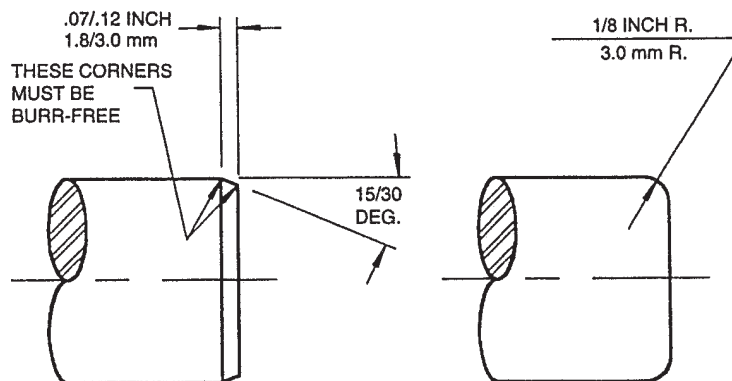
Shaft Lead — Maximum permissible lead angle is $0 \pm 0.05^\circ$. The most acceptable method for obtaining this surface characteristic is plunge grinding.

Shaft Diameter — Shaft diameter tolerances are shown below. Tolerances greater than those shown should be used only if agreed upon between user and supplier.

Shaft Diameter (inches)	Tolerances	Shaft Diameter (mm)	Tolerances
To and including 4.000	$\pm .003$	To and including 100	± 0.08
4.001 through 6.000	$\pm .004$	100.01 through 150	± 0.10
6.001 through 10.000	$\pm .005$	150.01 through 250	± 0.13
10.001 and larger	$\pm .006$	250.01 and larger	± 0.15

Shaft Hardness — Radial lip type seals will function satisfactorily on mild steel, cast iron or malleable iron shafts. Under normal conditions, however, the section of the shaft contacted by the sealing lip should be hardened to Rockwell C30 minimum. If, however, the shaft may be nicked or damaged during handling or assembly, a Rockwell C45 minimum is recommended.

Shaft Chamfer — To aid installation and help prevent damage to the seal lip, the leading edge of the shaft should have a chamfer or radius which must be smooth and free of nicks or rough spots.



Shaft-to-Bore Misalignment (STBM)

— The distance the center of rotation is displaced from the center of the bore. It usually exists to some degree due to normal machining and assembly tolerances. Misalignment results in uneven wear and, if excessive, will shorten seal life. To measure, attach a dial indicator to the shaft and indicate off the seal bore while rotating the shaft. For specific limitations see the National Oil Seal Design Type and Description charts on page 6 & 7.

Dynamic Runout — Twice the distance the center of the shaft is displaced from the center of rotation. It can result from a bent shaft, lack of shaft balance or other manufacturing variables. To measure, find the total movement of an indicator held against the seal area of the slowly rotating shaft. For specific limitations see the National Oil Seal Design Type and Description charts on page 6 & 7.

Shaft Material — Steel, stainless steel and certain cast irons all provide good sealing surfaces if finished properly. Brass or bronze shafts are not recommended nor are alloys of aluminum, zinc, magnesium and other similar elements. If plating is considered, it should be hard nonporous chrome plate. Flaking or plating exposes razor edges which may cut the seal lip.

SECTION 1-C TECHNICAL

Sealing System Preparation And Seal Installation

BORE REQUIREMENTS

Maintaining proper bore characteristics is important if the integrity of the sealing system is to remain intact. To provide proper fit of National Oil Seals, the dimensions relative to Bore Tolerance and seal Press Fit should be followed.

Bore Tolerances and Seal Press Fit

The Table below indicates recommended Bore Tolerances and seal Press Fit for both Metal and Rubber O.D. seals.

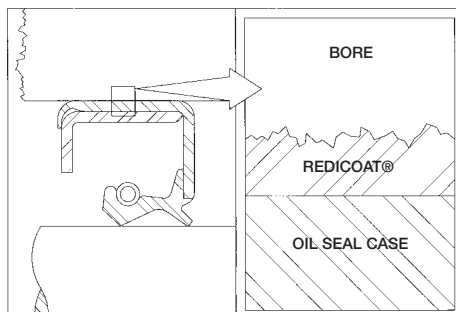
Bore Diameter	Bore Tolerance	Nominal Press Fit Metal O.D.	Metal O.D. Tolerance	Nominal Press Fit Rubber O.D.	Rubber O.D. Tolerance
Up to 2.000	± 0.001	0.005	± 0.002	0.008	± 0.003
2.000 to 3.000	± 0.001	0.005	+0.003 / -0.002	0.010	± 0.003
3.001 to 4.000	± 0.0015	0.006	± 0.003	0.011	± 0.003
4.001 to 5.000	± 0.0015	0.006	± 0.003	0.011	± 0.003
5.001 to 7.000	± 0.0015	0.007	± 0.003	0.012	± 0.004
7.001 to 12.000	± 0.002	0.008	+0.004 / -0.003	0.013	± 0.004
12.001 to 20.000	± 0.003	0.012	± 0.005	0.015	± 0.005
20.001 to 40.000	± 0.004	0.013	± 0.005	0.018	± 0.006
40.001 to 60.000	± 0.006	0.016	± 0.006	0.020	± 0.007

Bore Material

Ferrous materials are commonly used for bore housings. The table above applies to these types of materials. However, if other materials are used (i.e., aluminum or composites) higher rates of thermal expansion are usually involved and should be considered.

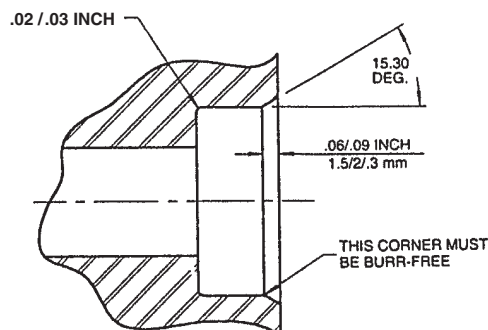
Bore Finish

A finish of 125 microinches Ra (3.2 micrometers Ra) or smoother should be maintained to assure a leak free environment. If the bore is rougher than 125 microinches Ra (3.2 micrometers Ra) National Oil Seal offers an environmentally friendly waterbase resinous coating on all of the O.D.'s of the metal cases. This coating process or material is termed Redicoat™.



Bore Configuration

The lead corner of the seal bore should be chamfered for ease of seal installation. Rough corners or burrs can scratch the seals outside diameter and cause potential leak paths.



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SECTION 1-C TECHNICAL

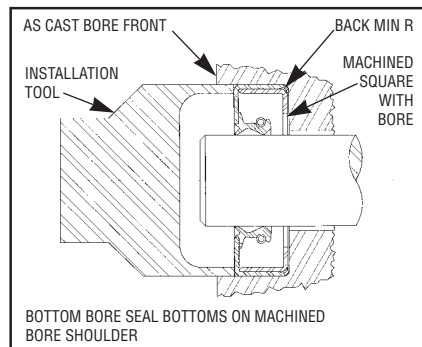
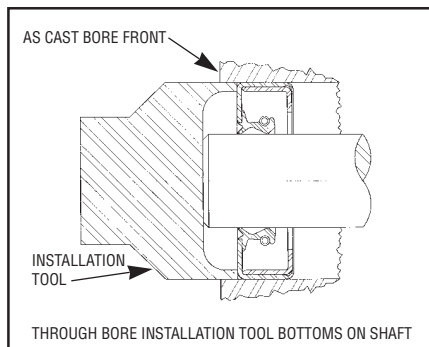
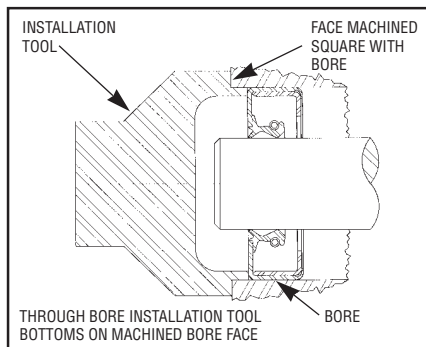
Sealing System Preparation And Seal Installation

INSTALLATION OF SEALS, PROCEDURES, GUIDELINES AND TOOLS

Oil Seal Installation Procedure

- 1) *Inspect the bore.* Insure that it is clean and free of burrs that might distort the seal or cut the O.D., that may cause leakage. Check for roundness and make sure the leading edge is either rounded or chamfered.
- 2) *Inspect the shaft.* Look for machining lead, burrs, dirt and paint that might damage the seal or provide a leak path. If the old seal has worn a groove into the shaft, it needs to be repaired. In many cases, National Redi-Sleeves will enable you to quickly and inexpensively repair this condition. For more information, regarding National Redi-Sleeves see page 23 & 24.
- 3) *Inspect the Shaft End.* Remove all burrs and sharp edges. The shaft should be chamfered or radiused to assure the seal is not damaged during installation. If this is not possible, then an installation sleeve should be used.
- 4) *Inspect Splines and Keyways.* If the shaft has splines or keyways, cover with a sleeve, shim stock or tape to protect the seal lip.
- 5) *Inspect the Seal.* Check the seal for any damage (nicks, cuts, scratches or distortion of the sealing lip) that may have been caused during shipping. A damaged seal should be replaced.
- 6) *Assure Proper Seal Direction.* The sealing lip usually faces toward the medium to be sealed.
- 7) *Prelube the Seal.* Prior to installation, the sealing lip should be prelubed with the lubricant to be sealed. It is not necessary for the O.D. of metal parts to be lubed, however, a light film of oil should be applied to the O.D. of rubber coated seals to aid in the installation process and reduce sheer stress during installation. This prelube should reduce or eliminate the possibility of a rubber O.D. seal from backing out of the bore immediately after installation.
- 8) *Installation Tools.* Select an installation tool (see Fig below). For easy, accurate installation of National's popular standard style oil and grease seals use the RD-2000 which can easily install seals up to 3.375" (85.7 mm) O.D. The best tool will have a diameter slightly smaller than that of the housing bore and will apply force only on the seal case. Bearing races may be used as an installation tool adapter when "approved tools are not available.
- 9) *Never Hammer Directly On the Seal.* Screwdrivers, drift pins or punches should not be used as installation tools. Steel hammers are not recommended for use with approved installation tools; the shock of steel on steel can dislodge the garter spring. After the seal has engaged the bore, the seal should be driven in evenly with only enough force to seat it in the bore.

Recommended Installation Tools



SECTION 1-D TECHNICAL

GENERAL INFORMATION

OIL SEAL DISTRESS ANALYSIS, TROUBLE SHOOTING CHECKLIST

The following chart is intended to assist in the evaluation of oil seal distress. It is not intended to be complete and should not be interpreted as inclusive of all distress causes. Questions or requests for additional information relative to oil seal distress should be directed to your Federal-Mogul Representative.

Symptom	Probable Cause of Leak	Symptom	Probable Cause of Leak
Sealing Lip Surface Hardened	Can be caused by excessive operating temperatures, by inadequate lubrication or by incompatibility with sealed fluid.	Seal Garter Spring Damaged	May be caused by careless handling or use of improper installation tools or methods. Excessive spreading of the sealing lip during installation can damage the spring.
Sealing Lip Brittle or Cracked	Operating temperatures of lubricant may exceed recommended limits for the type of sealing member material. Make sure seal is proper size. Too tight a fit on shaft will cause overheating. Check adequacy of lubricant for the type seal used.	Inner Parts of Seal Assembly Loose	Improper installation tools used. Check out-of-round limits of housing bore and make sure seal O.D. is not too large for bore. Either condition can cause seal distortion which, although not readily apparent, may be enough to loosen the inner parts of the seal and cause leakage.
Sealing Lip Shows Excessive Wear (around entire circumference)	Shaft finish may be too rough at point of lip contact. Seal not properly prelubricated before installation. Check adequacy of lubrication for the type seal used. Make sure seal is proper size. Too tight a fit on the shaft can cause overheating and rapid wear. Shaft run-out or shaft whip may exceed recommended limits. See that the seal seats close to the bearing and check for excessive looseness in bearing or splines.	Seal Cocked In Housing	Usually due to improper tools or installation methods. Make sure seal O.D. is not too large for bore. Check bore for burrs, scale or chips that prevent the seal from properly seating.
Sealing Lip Worn On One Side	Usually due to misalignment of shaft to bore. This causes rapid wear at one point on the sealing lip.	Excessive Shaft Wear	Check for presence of abrasive dirt and grit. Shaft may not have been properly cleaned before installation or exterior dirt and dust conditions may be too severe for the type of seal used. Shaft may be too soft. Shaft hardness limits are dictated by the severity of exterior dirt conditions, the amount of lubrication and surface speeds. Make sure seal is proper size. Too tight a fit on the shaft will cause excessive wear on both lip and shaft. Check for insufficient lubrication at the seal.
Sealing Lip Contact On Shaft Too Light	Make sure seal is proper size. Check shaft for excessive wear at point of contact. Shaft may be too soft . . . check minimum hardness specifications for the existing operating conditions. Check the installation tools used. Mounting cones and sleeves must not have O.D. of more than 1/32" greater than the shaft . . . or the sealing lip may be overstretched.	Shaft Scratched or Gouged	Proper installation procedure call for careful inspection and preparation of the shaft prior to installation of the seal. Shaft must be thoroughly cleaned before installing the seal. Paint, shellac or cement on the surface where the lip contacts the shaft prevents proper sealing.
Sealing Lip Nicked or Scratched	Careless storage, handling or use of improper assembly tools. Failure to clean and prepare shaft. Failure to protect sealing member when installing over splines, keyways, etc.	Spiral Machine Grooves on Shaft	Shafts should be polished at point of sealing lip contact or reground so spiral marks direct the fluid inward rather than outward under the sealing lip.
Sealing Lip "Blown-Out" (direction of lip contact reversed)	Look for excessive pressure build-up or plugged-up vents. Vents should be masked during painting to prevent clogging. Make sure the lubricant level is correct. Heating of the lubricant causes expansion and the pressure can blow out the seal.	Leakage Around the O.D. of the Seal	Check housing bore for out-of-roundness. If eccentricity is only slight (.001"), the use of special cement on the O.D. surface of seal may offset the condition. Check O.D. surface of seal for evidence of damage due to careless handling or improper installation. Seal may be cocked in housing. Check interior of bore for excessive roughness, dirt, scratches or burrs.
Sealing Lip Surface Softened	Spongy lip is result of incompatibility between fluid and sealing element.	Excessive Prelubrication	This is not actually leakage, although it may look like it. When too much prelubricant is used, the excess melts and runs out. Check this possibility before removing a seal that has the appearance of leaking.
Seal Case Distorted	O.D. of seal may be too large for housing bore. Bore diameter should not vary from that recommended for the size of the seal. Housing bore may be excessively out-of-round. If bore diameter and out-of-round limits are correct . . . look for evidence of careless handling or use of improper installation tools.		

GENERAL INFORMATION

REDI-SLEEVES INSTALLATION AND REMOVAL

Redi-Sleeves Installation

Each Redi-Sleeve comes with its own installation tool and removable installation flange. The installation tool reduces the possibility of sleeve distortion and provides for sleeve installation without removal of the shaft from the serviced equipment.

- 1) Minimum shaft surface preparation is required. Clean the old seal surface thoroughly and file down burrs and rough areas.
- 2) Determine sleeve position necessary to cover the seal wear tracks. Measure to a convenient point or mark directly on the shaft.
- 3) Redi-Sleeves may be installed to any depth. The column labelled "Installation Depth" in the *Redi-Sleeve Size Listing* indicates the maximum distance from the end of the shaft the sleeve can be installed using the supplied installation tool. Check whether the supplied tool will reach this position. If not, a tool can be fabricated using tubing or pipe to make deeper installations. If this is required, make sure the ends are cut square and are deburred.
- 4) Fill any deep scores or gouges on the shaft with a thread repair compound. Make sure to install the sleeve prior to the filler hardening.
- 5) Drop the Redi-Sleeve into the installation tool so that only the flange projects. Note that the flanged end of the sleeve goes on the shaft first.
- 6) Gently pound the center of the installation tool with a wood block or large soft face mallet until the sleeve reaches the previously measured point on the shaft. The wood block or large soft face mallet reduces the possibility of distorting the installation tool.
- 7) If clearance is required after installation, the Redi-Sleeve flange can be removed. Prior to installation, use side-cutters to cut through the flange to the pre-cut line. After the sleeve is installed, pry flange away from the seal surface. The flange will peel away along the pre-cut line.

Redi-Sleeve Removal

Suggested methods of sleeve removal:

- 1) Application of heat will cause the sleeve to expand and permit removal.
- 2) Wire cutters may be used to "tear" the sleeve from the shaft using a twisting motion.
- 3) With the flange removed, tapping the sleeve with a hammer may cause stretching on the sleeve and allow for removal.

GENERAL INFORMATION

NATIONAL WEAR SLEEVES DESCRIPTION, INSTALLATION & REMOVAL

National Wear Sleeves

National wear sleeves are precision components that press fit onto a shaft, actually becoming part of the shaft. The outside diameter is ground to provide a surface finish of 10-25 microinches Ra (.25-.64 Micrometers Ra). A radius of the I.D. of the sleeve facilitates installation on to the shaft. National wear sleeves are designed to be installed at ambient temperatures, heating of the wear sleeve is not required for proper installation. The opposite end of the wear sleeve is also radiused on the O.D. to minimize the potential for damaging the seal during assembly.

Wear sleeves offer cost reduction opportunities to original equipment manufacturers who must now machine large or complex shafts or spindles to tight dimensional and finish tolerances in order to provide an adequate running surface for the seals. While transporting or moving the shaft from place to place, extreme care must be taken to prevent damage to a finished shaft. When wear sleeves are used, scratching or scoring of the shaft is eliminated since the seal will run on the precision-finished sleeve, installed when the seal and/or hub is installed.

Installation

- 1) Remove all dirt and oil from the sealing surface.
- 2) Coat shaft surface with a liquid sealant or gasket cement.
- 3) Press wear sleeve into position with an installation tool or use a flat plate against the sleeve. Do not hammer on the thin edge of the sleeve or the wear sleeve may become warped or out of round.
- 4) Remove excess sealant from the wear sleeve edges. No sealant should be left on the finished sleeve surface or seal leakage may result.

Removal

Suggested methods of wear sleeve removal:

- 1) Application of heat will cause the sleeve to expand and permit removal.
 - 2) Tapping the sleeve with a hammer may cause stretching of the sleeve and allow for removal.
 - 3) Careful use of a rounded, blunt chisel may remove the sleeve.
- Caution.* It is not necessary to cut the sleeve completely prior to removal.

Shaft Tolerances For National Wear Sleeves

Up to 3.000" $\pm .001$ "
 3.001" to 6.000" $\pm .0015$ "

Shaft Finish

Prime shaft finishes of 125 RMS or better may require very little cement under the sleeve. With shaft finishes of over 125 RMS, complete inside penetration of the cement is recommended.

Prefix Explanation

J = Ground 10-25 RMS

JV = Unground phosphate coated

GENERAL INFORMATION

V-SEALS DESCRIPTION, MATERIAL, STYLES & DIMENSIONAL REFERENCE

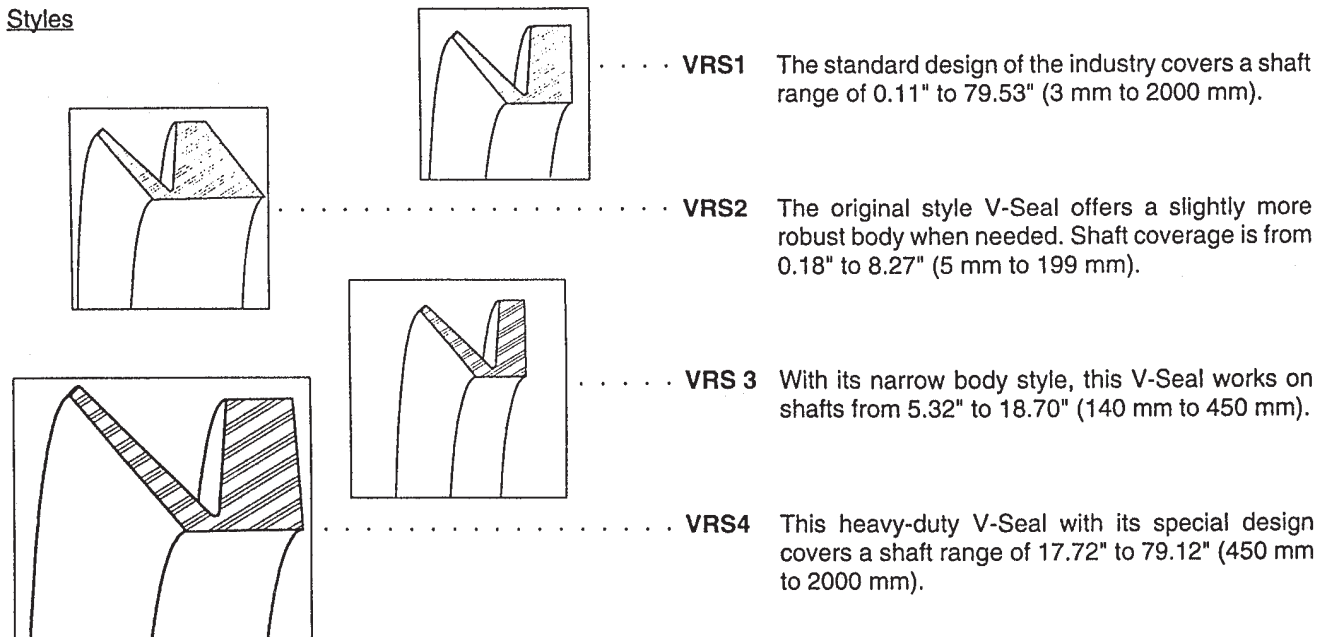
Description

The V-Seal is a simple and versatile elastomeric “face” type seal produced in Nitrile or Viton. It can be the primary sealing element in an application or it can be a contaminant excluder or back-up seal. The seal mounts on, and typically rotates with the shaft while the lip lightly contacts the counterface. The elasticity of the V-Seal design eases installation, permits a broader range of shaft sizes and allows use on eccentric and misaligned shafts.

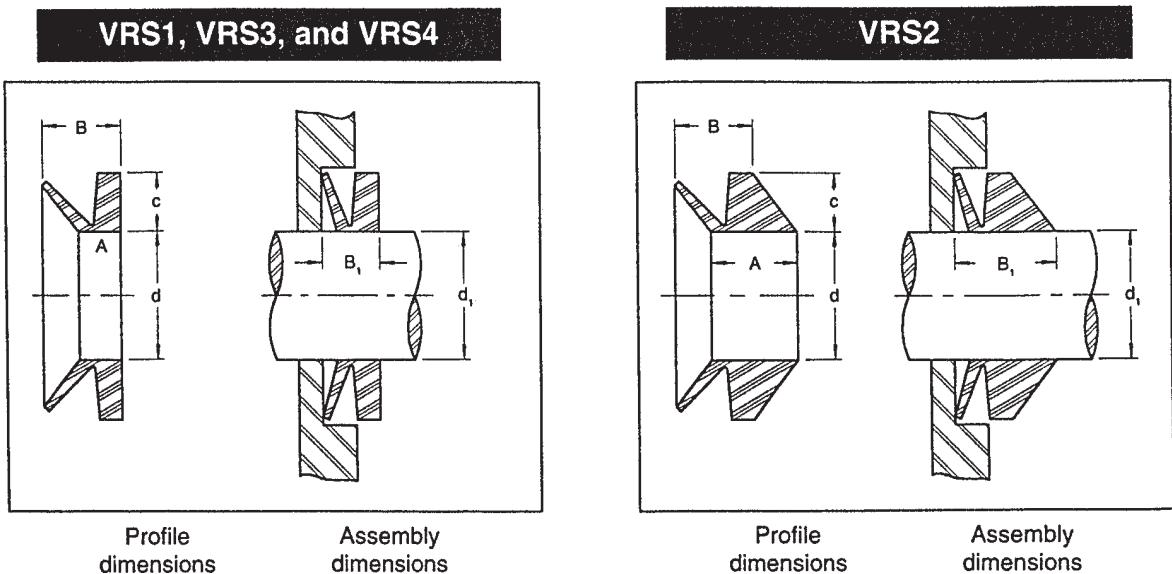
Material Data

	<u>Nitrile</u>	<u>Fluoroelastomer</u>
Temp. Range:	-40° to 225°F	-30° to 325°F
Max. Shaft Speed (FPM):	2,400	1,300
Color:	Black	Brown

Styles



Dimensional Reference



ABBREVIATIONS TO MANUFACTURERS

ABBREVIATION	MANUFACTURER NAME
ACDEL	A/C Delco
AIRCO	Aircooled Motors
AIWDI	AI/WDI
AJUSA	Ajusa
ALFAR	Alfa Romeo
ALLCH	Allis-Chalmers
ALOY	Alloy Mfg.
ALTFO	Alten Fndry & Mach
AM BO	American Bosch
AM BR	American Brake Shoe
AM CA	American Can Co.
AM CH	American Chain
AM HO	Amer Hoist & Derrick
AM MA	American Marietta Co.
AM WH	American Wheelabrator
AMGEN	AM General
AT IM	Atlas Imperial Diesel
AT SU	Atlas Supply
AT-PL	Athens Plow
AU-LI	Auto Lite
AU-WS	Austin-Western
AUPRO	Auto Pro (Short Line)
AUTDP	Auto Pro
AUTOB	Autobianchi
AUTOZ	AutoZone
AUTSP	Auto Specialties
AVANT	Avanti
B-L-H	Baldwin-Lima-Hamilton
BADGE	Badger Northland
BARRE	Barrentine Mfg.
BARTL	Bartell
BE-AR	Beck/Arnley
BEHLN	Behlen Mfg. Co.
BENDI	Bendix-Westinghouse
BESTV	Best Valu (Victor Retail)
BL-KN	Blaw Knox
BLUE	John Blue Co.
BORGW	Borg-Warner
BOSTN	Boston Gear
BOWEN	Bowen Mc Laughlin
BR-ST	Briggs & Stratton
BR-WN	Braden Wnch
BRAD	David Bradley Mfg. Works
BRADF	Brad Foote Gear Works
BRCWY	Brockway
BRWNG	Browning Mfg.
BTM	Bantam
BU-SP	Buff Springfield Roll
BUC-E	Bucyrus-Erie
BULLD	Bulldog
BUSHH	Bush Hog
BUTBN	Butler Bin
C-P	Chicago Pneumatic
C-R	Chicago Rawhide
C-W	Curtiss-Wright
CALI	California Pellet
CALSO	E L Caldwell & Sons
CANAD	Canadian Car & Foundry
CARDX	Cardox Co.
CARQU	Carquest
CARTR	Carter Carburetor Division
CARVR	Carver Pump Co.
CATER	Caterpillar
CEMAC	Cemac Vacuum
CH MA	Charles Machine Works
CHALL	Challenge Cook
CHAMP	Champion Carrier
CHECK	Checker
CHEL	Chelsea
CHERY	Cherry Burrell Co.
CHRYL	Chrysler
CINMI	Cinn Milling Mach
CL-HU	Clark Hurth (N. Carolina)
CLAYE	Clay Equipment
CLAYN	Clayton Mfg. Co.
CLEVI	Clevite Engine Parts

ABBREVIATION	MANUFACTURER NAME
CLIMX	Climax
CLIN	Clinton Engines
CLOYE	Cloyes Gear
CLSON	Clarkson (National Mtr.)
CLSTL	Cleveland Steel Product
CNTIR	Canadian Tire (Short Line)
COC	Cockshutt
COLLS	Collins Radio Co.
CONCA	Continental Can Co.
COND	Consolidated Diesel
CONDC	Condec Co.
CONE	Cone Drive Gears
CONSL	Consolidated Bearing
CONST	Const Machy Sales Co.
CONTI	Continental
COOK	Cook Brothers Equipment
COTTA	Cotta Transmission
CR-CF	Chris Craft
CROSL	Crosley
CRUSA	Crusader Marine
CTD	Canadian Tool & Die
CUMMI	Cummins
CURTS	Curtis Machine
CUSH	Cushman
CYCLO	Cycloblower Co.
DAEWO	Daewoo
DAIHA	Daihatsu
DALMO	Dalmo Victor
DANMA	Danuser Machine Works
DAVEY	Davey Compressor
DCORP	Dyna Co.
DEMP	Dempster Pumps Co.
DENCO	Dennis Co.
DET	Detroit
DETRL	Detroit Retail
DETRO	Detroit Diesel
DEVIL	Devilbliss Co.
DEXTR	Dexter
DGASK	Detroit Gasket
DIA	Diamond-T
DIESA	Diesel America
DIESG	Diesel Guard
DISOG	Disogrin
DIVCO	Divco-Wayne
DODGE	Dodge Mfg.
DODM	Dodge Mfg.
DOMGA	Dominion Gasket
DOMIN	Dominion Road Machinery
DRESS	Dresser Industry
DYNAL	Dynamic Seal
EARTH	Earthmaster
EBERH	Eberhardt Denver
EDEL	Edelman
EGDYN	Engine Dynamics
EL-MO	Electric Motors
EL-PA	Elwell-Parker
EL-WH	Electric Wheel
EMRSN	Emerson Electric
EMSCO	Emsco Corp.
ESSIC	Essick Mfg. Co.
EUCLD	Euclid
EUROS	Eurospares
EVERS	Eversman Mfg. Co.
F-R-H	Fate-Roote-Heath
FAFNI	Fafnir Bearing
FAIRB	Fairbanks-Morse
FAIRM	Fairmont Railway Motors
FALKE	Falk Corp.
FAWIC	Fawick Airflex Co.
FED	Federal
FEDMG	Federal-Mogul
FELPC	Fel-Pro
FI-AL	Fiat Allis
FI-CO	Filper Co.
FIRE	Firestone
FITZ	Fitzgerald

ABBREVIATION	MANUFACTURER NAME
FLXIB	Flxible
FME	Federal-Mogul
FMW	Federal-Mogul
FOOTE	Foote Brothers
	Gear & Machine
FORSH	Forsheada
FPDSL	FP Diesel
FR-HT	French & Hecht
FREIG	Freightliner
FRKLN	Franklin Equipment
FRUEH	Fruehauf
FT-WA	Fort Wayne Truck Parts
FULLE	Fuller
GABR	Garland Works
GABR	Gabriel
GAL	Galion
GARCI	GARCIA
GARLK	Garlock
GE	General Electric Corp.
GEM	Gemmer
GERL	Gerlinger
GIB	Gibson
GILSN	Gilson Brothers
GM	General Motors Corp.
GN-TI	General Tire
GO-TI	Goodyear Tire
GOODM	Goodman
GR-DV	Gardner Denver
GR-RP	Gorman Rupp
GRAM	Graham
GRAY	Gray Marine
GREEN	Green Ball Bearing
GUARA	Guaranteed
GW	Gar Wood Industries
H-S	Hall-Scott
HARN	Harnischfeger Corp.
HARRI	Harris Mfg. Co.
HART	Hart Carter Co.
HARWA	Harwall
HENRY	Henry Mfg.
HERCU	Hercules
HESST	Hesston
HI-EQ	Highway Equipment
HK-SY	Hawker-Siddeley
HOLLE	Holley
HR-DV	Harley-Davidson
HU-WR	Huber-Warco
HUB-C	Hub City Iron
HUGKE	Hughes-Keenan
HUME	Hume Hd Co.
HWY	Hi-way Trailers
HYST	Hyster
HYUND	Hyundai
IDEAL	Ideal Division
IG-RA	Ingersoll Rand
IH	International
INTDE	International Derrick
IPS	International Parts
	System
IRON	Iron Fireman Mfg. Co.
ISP	International Seal & Packing
JA-HE	Jack And Heintz Inc.
JA-MI	Jaeger Mixer
JAC	Jacobsen
JA	Jaeger
JAGUA	Jaguar
JEFF	Jeffrey
JN-CR	John Crane
JN-MN	Johns-Manville
JNSON	Johnson Mfg. Co.
JOHND	John Deere
KELSE	Kelsey-Hayes
KEN	Kenworth
KERSH	Kershaw
KEWNE	Kewanee Machine

ABBREVIATIONS TO MANUFACTURERS

ABBREVIATION	MANUFACTURER NAME
KINGN	Kingston Products Corp.
KINNR	Kinner Motors
KNICK	Knicker Bocker Co.
KOEK	Koehring
KOHL	Kohler
KOMAT	Komatsu
KRSE	Krause Plow
KY-CL	Korody Colyer
L&N	Leeds & Northrup
L&S	L & S Bearing
LABEQ	Laboratory Equipment Co.
LAMBO	Lamborghini
LANCA	Lancia
LAU	Lauson
LAVIN	Lavine Gear Co.
LAVOI	Lavoie Laboratories
LAWN	Lawn Boy
LAZOR	Lazorlite
LEECE	Leece Neville Co.
LEMCO	Lempco
LETN	Le Tourneau-Westinghouse
LEYLD	British Leyland
LF-PT	Lift Parts Mfg. Inc.
LIGET	Liggett Spring Axle
LILIS	Lilliston
LIMA	Lima Electric Mtrs.
LISLE	Lisle Tool, Clarinda, Ia
LK-BT	Link Belt
LOKWD	Lockwood Div.
LUF	Lufkin Industries
MA-PR	Marine Products
MAGNA	Magna American
MANT	Manitowoc
MARI	Marion Shovel
MARMO	Marmon
MASSE	Massey-Ferguson
MASTE	Master Electric Co.
MATHR	Mather
MAXIF	Maxiforce
MC-CL	Mc Culloch
MC-NO	McQuay-Norris
MCBED	McBee Distributors
MCCOR	Mc Cord
MCCRL	McCord Retail
MCKIN	McKinnon Ind.
MECH	Mechanex
MERCE	Mercedes-Benz
MERCM	Mercury Marine
MESC	Mesaco
MICH	Michigan (see Clark)
MID	Midland Co.
MID-R	Midland Ross
MIHLE	Miehle
MINMA	Minister Machine Co.
MINNM	Minneapolis-Moline
MIRCO	Mirco Sleeve
MISSI	Mission Mfg. Co.
MITSU	Mitsubishi
MIX	Mixing Equipment
MIXMO	Mixermobile Mfg. Co.
MO-CH	Morse Chain
MOHWK	Mohawk Mfg.
MOTO	Moto Power
MKGAS	Mr Gasket
MTR-C	Motor Coach Ind.
MURPH	Murphy Diesel
MURRA	Murray Corporation
MUSKE	Muskegon
MWKEL	M W Kellogg Co.
MYERS	Myers Sherman
NAK	Nakata S.A. Industrial
NATAU	National Automatic Tool Co.
NATEN	National Engineering Co.
NATL	National Seal Number

ABBREVIATION	MANUFACTURER NAME
NATSU	National Supply Co.
NAVST	Navistar
NDEP	New Departure
NEHO	New Holland
NEWPR	New Process
NEWVR	New Venture Gear
NISSA	Nissan
NORDG	Nordberg Mfg. Co.
NOVI	Novi Equipment
NPG	New Process
NRWST	Northwest Engineering
O-M	Outboard Marine
OILGR	Oil Gear Co.
OLIVE	Oliver
OSHKO	Oshkosh
OTISE	Otis Elevator
OWS	Oil Well Supply
P-C	Perfect Circle
PAARS	Paars Automotive
PACIF	Pacific Car & Foundry
PARGN	Paragon Gear
PARK	Parkersburg
PAYEN	Payen Seals
PEERC	Peerless Production Co.
PERFC	Perfection American
PERKI	Perkins
PERSN	Pearson Ben
PETTI	Pettibone-Mulliken
PEUGE	Peugeot
PI-BA	Pioneer Barnes
PORSC	Porsche
PORTR	Portable Rig Co.
PREC	Precision
PREST	Prestolite
PTDEP	Parts Depot (Short Line)
PUL	Pullman Co.
PYUNG	Pyung Hwa Industrial
QAP	Quality Auto Parts
RACIN	Racine Tool & Machine Co.
READY	Ready Power Co.
REINZ	Reinz-Dichtungs-GMBH
RELEE	Reliance Electric & Engineering
RELIA	Reliance Industries
RENAU	Renault
REPUB	Republic Gear
REULD	Reuland Electric
REX	Rex Chain Belt Co.
RFT	RFT (SKF/CR)
ROCK	Rockhill
ROCKE	Rocket
ROCKW	Rockwell
ROL	Rol Mfg.
ROLRL	Rol Retail
ROOTE	Rootes
ROSS	Ross Gear
ROTO	Rototiller
SABO	Sabo Oil Seals Of Brazil
SCHWI	Schwitzer Co.
SCOT	Scott Atwater
SEALD	Sealed Power
SEALR	Sealright Co.
SEAMA	Seaman Motors
SELAS	Selastomer
SHEP	Sheppard
SHOV	Shovel Supply
SIDEW	Sidewinder
SIMPL	Simplicity Tractor
SIMRT	Simrit
SKIL	Skilsaw
SNFLW	Sunflower Implements
SOLAR	Solar Division
SPECI	Specialty Products
SPERY	Sperry Rand
SPG	Sealing Products Group
SPICE	Spicer

ABBREVIATION	MANUFACTURER NAME
STAND	Standard
STAR	Starline
STDFG	Standard Forge
STDRL	Standard Retail
STEEL	Steel Products Eng. Co.
STEM	Stemco
STERL	Sterling
STN-S	Standard Steel
STUDE	Studebaker
SUBAR	Subaru
SUL	Sullivan
SUPER	Superior Diesel
SUZUK	Suzuki
TALBO	Talbot
TAYLR	Taylor Machine Works
TEKNI	Tekni Craft
TEREL	Terrell Machine Co.
TERX	Terex
TEXAS	Texas Iron Works
THEW	Thew Shovel
THIOK	Thiokol Chemical
TIMKE	Timken
TLSMI	T. L. Smith Co.
TMTNR	Towmotor
TOWNR	Towner Mfg.
TOYOT	Toyota
TRAC	Tractomotive
TRACN	Trackson Co.
TRACS	Trackless Tank Co.
TRANG	Transmission And Gear
TRANS	Transtec
TREME	Tremec
TRISL	Triseal
TRMBL	Trailmobile
TROS	Trostel
TRSCM	Transcom Oil Seals
TRU-P	Tru Part Mfg.
TRUK	Truckstell
TW-CO	Twin Coach
TW-DI	Twin Disc
ULRIC	Ulrich Products Co.
UNIT	Unit Crane & Shovel
UNIVE	Universal
US-EL	U.S. Electrical Motors
VAUXH	Vauxhall
VERSA	Versatile
VIC	Victor
VICK	Vickers
VICRL	Victor Retail
VILA	Villafane Auto Supply, Inc.
VOLWH	Volvo White
W-PTS	World Parts
WAGMA	Wagner Tool & Machine Co.
WAGNR	Wagner Tractor
WALKE	Walker Vehicle Co.
WARNE	Warner
WARNR	Warner Gear
WAUKE	Waukesha
WAYNE	Wayne Mfg. Co.
WESTO	Western Auto
WESTR	Westrac Co.
WGEAR	Western Gear Co.
WHELA	Wheland Co.
WILSO	Wilson Mfg. Co.
WILYS	Willys
WIP-L	Whip-I Crank Seals
WISCO	Wisconsin
WOODB	Wood Bros
WOOL	Wooldridge
WORLD	World Gasket
Y-T	Yale & Towne
YARD	Yardman

OIL SEAL DESIGN TYPES



OIL SEAL DESIGN TYPES



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
.156" (5/32") SHAFT						.250" (1/4") SHAFT					
.500	.504	.187	S	340872	34	.499	.505	.187	S	343104	34
						.750	.758	.250	S	350435	35
						.750	.760	.175	S	240435	24
4,50mm (.177") SHAFT						6,50mm (.256") SHAFT					
15,80	16,00	5,00	S	*4.5X16X5★	32	14,30	14,50	7,00	S	*6.5X14.5X7★	32
.622	.630	.197				.563	.571	.276			
15,80	16,00	7,00	S	*4.5X16X7★	32	6,80mm (.268") SHAFT					
.622	.630	.276				21,80	22,00	7,00	S	*6.8X22X7★	32
16,80	17,00	7,00	S	*4.5X17X7★	32	.858	.866	.276			
.661	.669	.276				7,00mm (.276") SHAFT					
4,80mm (.189") SHAFT						16,00	16,20	7,00	V	*7X16X7V★	35
14,80	15,00	5,00	S	*4.8X15X5★	32	.630	.638	.276			
.583	.591	.197				16,00	16,28	7,00	S	7X16X7★	32
5,00mm (.197") SHAFT						.630	.641	.276			
14,80	15,00	6,00	S	*5X15X6★	32	16,80	17,00	7,00	S	*7X17X7★	32
.583	.591	.236				.661	.669	.276			
15,80	16,00	6,00	S	*5X16X6★	32	17,80	18,00	7,00	S	*7X18X7★	32
.622	.630	.236				.701	.709	.276			
16,00	16,20	5,00	S	*5X16X5★	32	18,80	19,00	7,00	S	*7X19X7★	32
.630	.638	.197				.740	.748	.276			
16,80	17,00	7,00	S	*5X17X7★	32	21,80	22,00	6,00	S	*7X22X6★	32
.661	.669	.276				.858	.866	.236			
17,80	18,00	6,00	S	*5X18X6★	32	21,80	22,00	8,00	S	*7X22X8★	32
.701	.709	.236				.858	.866	.315			
17,80	18,00	7,00	S	*5X18X7★	32	22,00	22,28	7,00	S	7X22X7★	35
.701	.709	.276				.866	.877	.276			
17,80	18,00	10,00	S	*5X18X10★	32	30,80	31,00	7,00	S	*7X31X7★	32
.701	.709	.394				1.212	1.220	.276			
18,80	19,00	7,00	S	*5X19X7★	32	.312" (5/16") SHAFT					
.740	.748	.276				.500	.506	.125	S	340826	34
21,80	22,00	7,00	S	*5X22X7★	32	.625	.635	.175	S	240698	24
.858	.866	.276				.686	.690	.313	S	712022	#
5,50mm (.217") SHAFT						.749	.753	.250	S	712021	#
17,80	18,00	8,00	S	*5.5X18X8★	32	.750	.756	.250	S	350364	35
.701	.709	.315				.999	1.003	.375	S	470195	47
21,80	22,00	8,00	S	*5.5X22X8★	32	1.250	1.254	.375	L	50445	5L
.858	.866	.315				8,00mm (.315") SHAFT					
6,00mm (.236") SHAFT						13,80	14,00	7,00	S	*8X14X7★	32
16,00	16,20	5,00	S	6X16X5★	35	.543	.551	.276			
.630	.638	.197				14,00	14,20	4,00	S	8X14X4★	35
16,00	16,20	7,00	V	*6X16X7V★	35	.551	.559	.157			
.630	.638	.276				14,00	14,20	5,00	S	*8X14X5★	32
16,00	16,28	7,00	S	6X16X7★	35	.551	.559	.197			
.630	.641	.276				14,80	15,00	5,00	S	*8X15X5★	32
16,80	17,00	7,00	S	*6X17X7★	32	.583	.591	.197			
.661	.669	.276				15,80	16,00	5,00	S	*8X16X5★	32
17,80	18,00	6,00	S	*6X18X6★	32	.622	.630	.197			
.701	.709	.236				15,80	16,00	6,00	S	*8X16X6★	32
17,80	18,00	7,00	S	*6X18X7★	32	.622	.630	.236			
.701	.709	.276				16,00	16,20	7,00	S	220860★	35
18,80	19,00	7,00	S	*6X19X7★	32	.630	.638	.276			
.740	.748	.276				16,00	16,23	7,00	S	8X16X7★	35
19,80	20,00	5,50	S	*6X20X5.5★	32	.630	.639	.276			
.779	.787	.217				16,80	17,00	7,00	S	*8X17X7★	32
20,80	21,00	7,00	S	*6X21X7★	32	.661	.669	.276			
.819	.827	.276				17,80	18,00	6,00	S	*8X18X6★	32
22,00	22,28	7,00	S	6X22X7★	35	.701	.709	.236			
.866	.877	.276				17,80	18,00	8,00	S	*8X18X8★	32
25,80	26,00	7,00	S	*6X26X7★	32	.701	.709	.315			
1,016	1,024	.276				18,00	18,20	5,00	S	8X18X5★	35
34,80	35,00	7,00	S	*6X35X7★	32	.709	.717	.197			
1.370	1.378	.276				18,00	18,20	7,00	S	8X18X7★	32
						.709	.717	.276			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
8,00mm (.315") SHAFT (cont.)						.375" (3/8") SHAFT					
18,00	18,20	7,00	S	220818★	32	.562	.568	.125	S	340827	34
.709	.717	.276				.687	.691	.156	S	311189	31
18,80	19,00	7,00	S	*8X19X7★	32	.687	.691	.156	N	*311189N	31
.740	.748	.276				.750	.754	.250	S	*40385S	4S
19,80	20,00	7,00	S	*8X20X7★	32	.750	.754	.250	H	*50385	5S
.779	.787	.276				.750	.754	.250	S	50385S	5S
21,80	22,00	6,00	S	*8X22X6★	32	.750	.754	.250	S	*310385	31
.858	.866	.236				.750	.754	.250	S	330385	33
22,00	22,20	7,00	V	*8X22X7V★	32	.750	.756	.250	S	340385	34
.866	.874	.276				.750	.756	.250	S	*350385	35
22,00	22,28	7,00	S	8X22X7★	32	.750	.760	.175	S	240385	24
.866	.877	.276				.750	.760	.175	N	*240385N	24
22,80	23,00	5,00	S	*8X23X5★	32	.836	.841	.187	S	444258	44
.898	.906	.197				.836	.841	.187	N	474279N	47
24,00	24,28	7,00	S	8X24X7★	35	.874	.883	.312	S	350156	35
.945	.956	.276				.875	.880	.250	S	473096	47
24,80	25,00	7,00	S	*8X25X7★	32	.999	1.003	.375	H	*50197	5S
.976	.984	.276				.999	1.003	.375	S	50197S	5S
24,80	25,00	8,00	S	*8X25X8★	32	.999	1.004	.250	S	471103	47
.976	.984	.315				1.250	1.254	.375	L	*50010	5L
24,80	25,00	9,00	S	*8X25X9★	32	.390" SHAFT					
.976	.984	.354				.750	.756	.250	S	*342047	34
25,80	26,00	7,00	S	*8X26X7★	32	10,00mm (.394") SHAFT					
1.016	1.024	.276				15,80	16,00	4,00	S	*10X16X4★	32
29,80	30,00	6,00	S	*8X30X6★	32	.622	.630	.157			
1.173	1.181	.236				15,80	16,00	4,50	S	*10X16X4.5★	32
29,80	30,00	7,00	S	*8X30X7★	32	.622	.630	.177			
1.173	1.181	.276				16,80	17,00	5,00	S	*10X17X5★	32
33,80	34,00	8,00	S	*8X34X8★	32	.661	.669	.197			
1.331	1.339	.315				16,80	17,00	7,00	S	*10X17X7★	32
.344" (11/32") SHAFT						.661	.669	.276			
.999	1.003	.375	S	*53809S	5S	17,80	18,00	4,00	S	*10X18X4★	32
8,85mm (.348") SHAFT						.701	.709	.157			
16,80	17,00	5,00	S	*8.85X17X5★	32	17,80	18,00	5,00	S	*10X18X5★	32
.661	.669	.197				.701	.709	.197			
19,80	20,00	5,00	S	*8.85X20X5★	32	17,80	18,00	6,00	S	*10X18X6★	32
.779	.787	.197				.701	.709	.236			
9,00mm (.354") SHAFT						17,80	18,00	7,00	S	*10X18X7★	32
15,80	16,00	5,50	S	*9X16X5.5★	32	.701	.709	.276			
.622	.630	.217				19,00	19,20	7,00	S	10X19X7★	32
18,00	18,20	7,00	S	9X18X7★	35	.748	.756	.276			
.709	.717	.276				19,00	19,20	7,00	S	221040★	35
18,00	18,20	7,00	S	220918★	35	.748	.756	.276			
.709	.717	.276				19,80	20,00	5,00	S	*10X20X5★	32
18,80	19,00	5,00	S	*9X19X5★	32	.779	.787	.197			
.740	.748	.197				19,80	20,00	6,00	S	*10X20X6★	32
18,80	19,00	7,00	S	*9X19X7★	32	.779	.787	.236			
.740	.748	.276				19,80	20,00	7,00	S	*10X20X7★	32
19,80	20,00	7,00	S	*9X20X7★	32	.779	.787	.276			
.779	.787	.276				20,80	21,00	4,00	S	*10X21X4★	32
22,00	22,20	7,00	S	9X22X7★	35	.819	.827	.157			
.866	.874	.276				20,80	21,00	6,00	S	*10X21X6★	32
22,00	22,20	7,00	V	*9X22X7V★	35	.819	.827	.236			
.866	.874	.276				20,80	21,00	7,00	S	*10X21X7★	32
24,00	24,28	7,00	S	9X24X7★	35	.819	.827	.276			
.945	.956	.276				21,80	22,00	5,00	S	*10X22X5★	32
24,80	25,00	7,00	S	*9X25X7★	32	.858	.866	.197			
.976	.984	.276				21,80	22,00	6,00	S	*10X22X6★	32
26,00	26,28	7,00	S	9X26X7★	35	.858	.866	.236			
1.024	1.035	.276				22,00	22,20	7,00	V	*10X22X7V★	35
28,80	29,00	7,00	S	*9X29X7★	32	.866	.874	.276			
1.134	1.142	.276				22,00	22,28	7,00	S	10X22X7★	32
29,80	30,00	7,00	S	*9X30X7★	32	.866	.877	.276			
1.173	1.181	.276				22,80	23,00	7,00	S	*10X23X7★	32
						.898	.906	.276			
						22,80	23,00	8,00	S	*10X23X8★	32
						.898	.906	.315			

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
10,00mm (.394") SHAFT (cont.)						.437" (7/16") SHAFT (cont.)					
23.30	23.50	10.00	S	*10X23.5X10★	32	.999	1.003	.375	S	470199	47
.917	.925	.394				.999	1.003	.375	N	*470199N	47
23.80	24.00	6.00	S	*10X24X6★	32	.999	1.003	.375	V	*470199V	47
.937	.945	.236				.999	1.007	.250	S	6863S	35
24.00	24.23	7.00	S	10X24X7★	35	1.124	1.128	.250	S	474277	47
.945	.954	.276				1.124	1.128	.406	S	453059	45
24.80	25.00	5.00	S	*10X25X5★	32	11,60mm (.457") SHAFT					
.976	.984	.197				18.80	19.00	6.00	S	*11.6X19X6★	32
24.80	25.00	10.00	S	*10X25X10★	32	.740	.748	.236			
.976	.984	.394				23.80	24.00	10.00	S	*11.6X24X10★	32
25.00	25.28	7.00	S	10X25X7★	32	.937	.945	.394			
.984	.995	.276				.468" (15/32") SHAFT					
25.80	26.00	8.00	S	*10X26X8★	32	—	—	—	S	800120	VRS1
1.016	1.024	.315				1.124	1.126	.375	S	470004	47
26.00	26.23	7.00	S	10X26X7★	32	1.124	1.128	.375	L	*50004	5L
1.024	1.033	.276				12,00mm (.472") SHAFT					
27.80	28.00	7.00	S	*10X28X7★	32	—	—	—	S	800120	VRS1
1.094	1.102	.276				—	—	.236		99049	Redi-Sleeve
27.80	28.00	8.00	S	*10X28X8★	32	17.80	18.00	5.00	S	*12X18X5★	32
1.094	1.102	.315				.701	.709	.197			
29.80	30.00	7.00	S	*10X30X7★	32	18.80	19.00	7.00	S	*12X19X7★	32
1.173	1.181	.276				.740	.748	.276			
29.80	30.00	10.00	S	*10X30X10★	32	19.00	19.20	5.00	S	12X19X5★	32
1.173	1.181	.394				.748	.756	.197			
.402" SHAFT						19.80	20.00	4.00	S	*12X20X4★	32
.999	1.005	.180	V	*8891	24	.779	.787	.157			
.408" SHAFT						19.80	20.00	6.00	S	*12X20X6★	32
1.004	.102	.208	N	4701	49	.779	.787	.236			
1.004	1.008	.208	N	4701N	49	19.80	20.00	7.00	S	*12X20X7★	32
11,00mm (.433") SHAFT						.779	.787	.276			
17.00	17.25	4.00	S	11X17X4★	32	20.00	20.28	5.00	S	12X20X5★	32
.669	.679	.157				.787	.798	.197			
20.80	21.00	7.00	S	*11X21X7★	32	20.80	21.00	4.00	S	*12X21X4★	32
.819	.827	.276				.819	.827	.157			
20.80	21.00	8.00	S	*11X21X8★	32	20.80	21.00	7.00	S	*12X21X7★	32
.819	.827	.315				.819	.827	.276			
22.00	22.23	7.00	S	221122★	35	21.80	22.00	5.00	S	*12X22X5★	32
.866	.875	.276				.858	.866	.197			
22.00	22.28	7.00	S	11X22X7★	32	21.80	22.00	6.50	S	*12X22X6.5★	32
.866	.877	.276				.858	.866	.256			
22.80	23.00	7.00	S	*11X23X7★	32	21.80	22.00	8.00	S	*12X22X8★	32
.898	.906	.276				.858	.866	.315			
23.30	23.50	7.00	S	*11X23.5X7★	32	21.80	22.00	9.00	S	*12X22X9★	32
.917	.925	.276				.858	.866	.354			
24.80	25.00	7.00	S	*11X25X7★	32	22.00	22.20	7.00	V	*12X22X7V★	35
.976	.984	.276				.866	.874	.276			
26.00	26.28	7.00	S	11X26X7★	35	22.00	22.25	7.00	S	12X22X7★	35
1.024	1.035	.276				.866	.876	.276			
27.80	28.00	7.00	S	*11X28X7★	32	22.00	22.25	7.00	S	221207★	35
1.094	1.102	.276				.866	.876	.276			
28.80	29.00	7.00	S	*11X29X7★	32	22.00	22.25	7.00	V	221208★	35
1.134	1.142	.276				.866	.876	.276			
29.80	30.00	10.00	S	*11X30X10★	32	22.80	23.00	7.00	S	*12X23X7★	32
1.173	1.181	.394				.898	.906	.276			
30.00	30.20	7.00	S	11X30X7★	32	23.30	23.50	7.00	S	*12X23.5X7★	32
1.181	1.189	.276				.917	.925	.276			
.437" (7/16") SHAFT						23.80	24.00	8.00	S	*12X24X8★	32
.624	.633	.125	S	343101	34	.937	.945	.315			
.875	.879	.312	H	*50470	5S	24.00	24.23	7.00	S	12X24X7★	32
.875	.879	.312	S	50470S	5S	.945	.954	.276			
.875	.880	.250	S	472810	47	24.80	25.00	8.00	S	*12X25X8★	32
.875	.880	.250	S	*482810	48	.976	.984	.315			
.875	.885	.175	S	240470	24	24.80	25.00	10.00	S	*12X25X10★	32
.999	1.003	.375	H	*50199H	5S	.976	.984	.394			
.999	1.003	.375	S	*50199S	5S	25.00	25.20	4.50	S	12X25X4.5★	32
						.984	.992	.177			

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
12,00mm (.472") SHAFT (cont.)						12,50mm (.492") SHAFT (cont.)					
25.00	25.20	4.50	S	12X25X4.5★	32	28.30	28.50	7.00	S	*12.5X28.5X7★	32
.984	.992	.177				1.114	1.122	.276			
25.00	25.25	7.00	S	12X25X7★	32	.493" SHAFT					
.984	.994	.276				—	—	—	S	800130	VRS1
25.30	25.50	7.00	S	*12X25.5X7★	32	—	—	—	V	800134	VRS1
.996	1.004	.276				1.000	1.004	.250	S	*471211	47
1.000	1.006	.375	S	320457	32	.500" (1/2") SHAFT					
25.80	26.00	8.00	S	*12X26X8★	32	—	—	—	S	800130	VRS1
1.016	1.024	.315				—	—	—	V	800134	VRS1
26.00	26.20	7.00	S	12X26X7★	32	—	—	.250	99050	Redi-Sleeve	
1.024	1.031	.276				.687	.693	.093	S	342805	34
26.80	27.00	9.00	S	*12X27X9★	32	.688	.696	.100	N	*7506N	24
1.055	1.063	.354				.688	.696	.100	S	*7506S	24
27.00	27.20	7.00	S	*12X27X7★	32	.749	.753	.093	S	43095S	4S
1.063	1.071	.276				.750	.756	.125	S	340847	34
27.80	28.00	8.00	S	*12X28X8★	32	.751	.756	.192	S	8792S	31
1.094	1.102	.315				.843	.848	.250	S	312196	31
28.00	28.20	7.00	S	12X28X7★	35	.875	.879	.187	S	330699	33
1.102	1.110	.276				.875	.879	.218	S	43080S	4S
28.00	28.20	7.00	V	*12X28X7V★	35	.875	.879	.313	S	712019	#
1.102	1.110	.276				.875	.881	.125	S	342613	34
28.30	28.50	7.00	S	*12X28.5X7★	32	.875	.881	.250	S	342614	34
1.114	1.122	.276				.999	1.003	.250	S	48144	#
29.80	30.00	5.00	S	*12X30X5★	32	.999	1.003	.250	S	41442S	4S
1.173	1.181	.197				.999	1.003	.250	S	471442	47
29.80	30.00	9.00	S	*12X30X9★	32	.999	1.003	.250	A	471442A	47
1.173	1.181	.354				.999	1.003	.250	H	*471442H	47
29.80	30.00	10.00	S	*12X30X10★	32	.999	1.003	.250	N	*471442N	47
1.173	1.181	.394				.999	1.003	.250	V	471442V	47
30.00	30.20	7.00	S	12X30X7★	32	.999	1.003	.250	S	*481442	48
1.181	1.189	.276				.999	1.003	.250	N	*481442N	48
30.00	30.20	7.00	V	*12X30X7V★	35	.999	1.003	.250	V	*481442V	48
1.181	1.189	.276				.999	1.003	.375	S	410119	41
31.80	32.00	5.00	S	*12X32X5★	32	.999	1.003	.375	S	*450119	45
1.252	1.260	.197				.999	1.003	.375	S	470119	47
31.80	32.00	10.00	S	*12X32X10★	32	.999	1.003	.375	S	*480119	48
1.252	1.260	.394				.999	1.010	.175	S	240119	24
32.00	32.20	7.00	S	12X32X7★	35	1.000	1.004	.250	S	*471490	47
1.260	1.268	.276				1.000	1.004	.250	S	*481490	48
34.80	35.00	10.00	S	*12X35X10★	32	1.006	1.010	.250	S	1041	48
1.370	1.378	.394				1.010	1.017	.204	V	324234V	32
35.00	35.20	7.00	S	12X35X7★	32	1.124	1.128	.250	V	471526V	47
1.378	1.386	.276				1.124	1.128	.250	S	41526S	4S
36.80	37.00	7.00	S	*12X37X7★	32	1.124	1.128	.250	S	471526	47
1.449	1.457	.276				1.124	1.128	.250	A	471526A	47
.490" SHAFT						1.124	1.128	.250	S	*481526	48
—	—	—	S	800120	VRS1	1.124	1.128	.250	N	*481526N	48
—	—	—	S	800130	VRS1	1.124	1.128	.312	S	*411294	41
—	—	—	V	800134	VRS1	1.124	1.128	.312	S	*451294	45
.688	.696	.100	S	*9791	24	1.124	1.128	.312	H	*451294H	45
12,45mm (.490") SHAFT						1.124	1.128	.312	S	*471294	47
21.80	22.00	7.00	S	*12.45X22X7★	32	1.124	1.128	.312	S	*481294	48
.858	.866	.276				1.124	1.128	.375	S	*410005	41
.490" SHAFT						1.124	1.128	.375	S	450005	45
.875	.883	.250	S	340771	34	1.124	1.128	.375	S	470005	47
1.122	1.132	.265	S	351028	35	1.124	1.128	.375	S	*480005	48
12,50mm (.492") SHAFT						1.124	1.134	.175	S	*240005	24
21.80	22.00	6.00	S	*12.5X22X6★	32	1.156	1.166	.250	S	324112	32
.858	.866	.236				1.250	1.254	.250	S	*40014S	4S
23.30	23.50	8.00	S	*12.5X23.5X8★	32	1.250	1.254	.250	S	471472	47
.917	.925	.315				1.250	1.254	.250	V	471472V	47
23.30	23.50	10.00	S	*12.5X23.5X10★	32	1.250	1.254	.250	S	*481472	48
.917	.925	.394				1.250	1.254	.250	N	*481472N	48
24.80	25.00	8.00	S	*12.5X25X8★	32	1.250	1.254	.375	S	*410014	41
.976	.984	.315				1.250	1.254	.375	S	*450014	45
						1.250	1.254	.375	S	470014	47
						1.250	1.254	.375	S	*480014	48
						1.375	1.379	.250	S	471549	47

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
.500" (1/2") SHAFT (cont.)						14,00mm (.551") SHAFT (cont.)					
1.375	1.379	.312	S	*451555	45	22,80	23,00	6,00	S	*14X23X6★	32
1.375	1.379	.312	S	*471555	47	.898	.906	.236			
1.375	1.379	.406	S	*410019	41	23,80	24,00	4,00	S	*14X24X4★	32
1.375	1.379	.406	S	*450019	45	.937	.945	.157			
1.375	1.379	.406	S	*470019	47	23,80	24,00	5,00	S	*14X24X5★	32
1.375	1.379	.406	S	*480019	48	.937	.945	.197			
1.378	1.382	.406	S	472467	47	23,80	24,00	6,00	S	*14X24X6★	32
						.937	.945	.236			
						23,80	24,00	8,00	S	*14X24X8★	32
						.937	.945	.315			
						24,00	24,23	7,00	S	221410★	35
						.945	.954	.276			
						24,00	24,23	7,00	S	14X24X7★	32
						.945	.954	.276			
						24,00	24,25	12,70	S	2004★	#
						.945	.955	.500			
						24,80	25,00	4,00	S	*14X25X4★	32
						.976	.984	.157			
						24,80	25,00	7,00	S	*14X25X7★	32
						.976	.984	.276			
						24,80	25,00	9,00	S	*14X25X9★	32
						.976	.984	.354			
						25,00	25,20	7,00	N	710116★	32
						.984	.992	.276			
						25,00	25,23	5,00	S	14X25X5★	32
						.984	.993	.197			
						1.000	1.004	.312	S	473546	47
						25,80	26,00	8,00	S	*14X26X8★	32
						1.016	1.024	.315			
						26,00	26,23	7,00	S	14X26X7★	32
						1.024	1.033	.276			
						26,80	27,00	10,00	S	*14X27X10★	32
						1.055	1.063	.394			
						27,00	27,20	7,00	S	14X27X7★	32
						1.063	1.071	.276			
						27,80	28,00	7,00	S	*14X28X7★	32
						1.094	1.102	.276			
						27,80	28,00	7,00	S	*14X28X7★	32
						1.094	1.102	.276			
						28,00	28,23	6,00	S	14X28X6★	32
						1.102	1.111	.236			
						28,30	28,50	7,00	S	*14X28.5X7★	32
						1.114	1.122	.276			
						28,80	29,00	7,00	S	*14X29X7★	32
						1.134	1.142	.276			
						29,80	30,00	7,50	S	*14X30X7.5★	32
						1.173	1.181	.295			
						29,80	30,00	8,00	S	*14X30X8★	32
						1.173	1.181	.315			
						29,80	30,00	9,00	S	*14X30X9★	32
						1.173	1.181	.354			
						29,80	30,00	10,00	S	*14X30X10★	32
						1.173	1.181	.394			
						30,00	30,20	7,00	S	14X30X7★	32
						1.181	1.189	.276			
						30,00	30,20	7,00	V	*14X30X7V★	35
						1.181	1.189	.276			
						31,80	32,00	7,50	S	*14X32X7.5★	32
						1.252	1.260	.295			
						31,80	32,00	10,00	S	*14X32X10★	32
						1.252	1.260	.394			
						32,00	32,20	7,00	S	14X32X7★	32
						1.260	1.268	.276			
						34,80	35,00	8,00	S	*14X35X8★	32
						1.370	1.378	.315			
						34,80	35,00	10,00	S	*14X35X10★	32
						1.370	1.378	.394			
						35,00	35,22	7,00	S	14X35X7★	32
						1.378	1.387	.276			
						35,80	36,00	7,00	S	*14X36X7★	32
						1.409	1.417	.276			
.531" (17/32") SHAFT											
1.124	1.128	.312	S	471530	47						
1.124	1.128	.375	S	*450006	45						
1.250	1.254	.250	S	*481534	48						
.540" SHAFT											
1.219	1.213	.187	S	*7738	#						
13,80mm (.543") SHAFT											
23,80	24,00	5,00	S	*13.8X24X5★	32						
.937	.945	.197									
14,00mm (.551") SHAFT											
20,80	21,00	4,00	S	*14X21X4★	32						
.819	.827	.157									
21,80	22,00	4,00	S	*14X22X4★	32						
.858	.866	.157									
21,80	22,00	6,00	S	*14X22X6★	32						
.858	.866	.236									
21,80	22,00	7,00	S	*14X22X7★	32						
.858	.866	.276									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
14,00mm (.551") SHAFT (cont.)						.590" SHAFT					
39.80	40.00	7.00	S	*14X40X7★	32	-	-	.197		99059	Redi-Sleeve
1.567	1.575	.276				.997	1.006	.200	N	*4127N	34
39.80	40.00	10.00	S	*14X40X10★	32	15,00mm (.591") SHAFT					
1.567	1.575	.394				-	-	.197		99059	Redi-Sleeve
.562" (9/16") SHAFT						20.00	20.10	5.00	S	710346★	49
-	-	.250		99056	Redi-Sleeve	.787	.791	.197			
.750	.754	.094	S	712028	#	20.80	21.00	5.00	S	*15X21X5★	32
.810	.814	.187	N	313156	31	.819	.827	.197			
.810	.814	.187	N	*313156N	31	21.80	22.00	4.00	S	*15X22X4★	32
.875	.879	.187	S	314259	31	.858	.866	.157			
.999	1.003	.250	S	*471315	47	21.80	22.00	5.00	S	*15X22X5★	32
.999	1.003	.250	S	*481315	48	.858	.866	.197			
.999	1.003	.250	N	*481315N	48	21.80	22.00	7.00	S	*15X22X7★	32
.999	1.003	.250	V	*481315V	48	.858	.866	.276			
.999	1.003	.375	S	*410202	41	22.80	23.00	7.00	S	*15X23X7★	32
.999	1.003	.375	N	*410202N	41	.898	.906	.276			
.999	1.003	.375	S	*450202	45	23.80	24.00	5.00	S	*15X24X5★	32
.999	1.003	.375	N	*450202N	45	.937	.945	.197			
.999	1.003	.375	S	*470202	47	23.80	24.00	6.00	S	*15X24X6★	32
.999	1.003	.375	S	*480202	48	.937	.945	.236			
1.000	1.004	.250	V	472705V	47	24.00	24.20	5.00	S	2027★	35
1.000	1.004	.250	S	472705	47	.945	.953	.197			
1.000	1.004	.312	S	*470650	47	24.00	24.23	7.00	S	15X24X7★	32
1.004	1.008	.254	N	718610	47	.945	.954	.276			
1.124	1.128	.250	S	471281	47	25.00	25.20	5.00	S	15X25X5★	32
1.124	1.128	.250	S	*481281	48	.984	.992	.197			
1.124	1.128	.250	N	*481281N	48	25.00	25.20	7.00	S	15X25X7★	35
1.124	1.128	.250	V	*481281V	48	.984	.992	.276			
1.124	1.128	.312	S	*411531	41	25.00	25.22	7.00	S	*350509★	35
1.124	1.128	.312	S	*451531	45	.984	.993	.276			
1.124	1.128	.375	S	*410007	41	25.00	25.25	6.00	N	15X25X6★	32
1.124	1.128	.375	S	*450007	45	.984	.994	.236			
1.124	1.128	.375	H	*450007H	45	25.00	25.25	6.00	N	221510★	32
1.124	1.128	.375	S	*470007	47	.984	.994	.236			
1.124	1.128	.375	S	*480007	48	25.30	25.50	4.50	S	*15X25.5X4.5★	32
1.124	1.128	.531	V	*3072V	49	.996	1.004	.177			
1.124	1.135	.175	S	*240007	24	25.30	25.50	7.00	S	*15X25.5X7★	32
1.234	1.238	.437	S	*7708	71	.996	1.004	.276			
1.246	1.250	.375	S	*410536	41	25.80	26.00	6.00	S	*15X26X6★	32
1.246	1.250	.375	S	450536	45	1.016	1.024	.236			
1.246	1.250	.375	N	*450536N	45	25.80	26.00	8.00	S	*15X26X8★	32
1.246	1.250	.375	S	*480536	48	1.016	1.024	.315			
1.250	1.254	.250	S	471535	47	25.80	26.00	9.00	S	*15X26X9★	32
1.250	1.254	.250	S	*481535	48	1.016	1.024	.354			
1.250	1.254	.375	S	*410016	41	26.00	26.23	7.00	S	15X26X7★	32
1.250	1.254	.375	S	*450016	45	1.024	1.033	.276			
1.250	1.254	.375	H	*450016H	45	26.80	27.00	7.00	S	*15X27X7★	32
1.250	1.254	.375	S	*470016	47	1.055	1.063	.276			
1.250	1.254	.375	S	*480016	48	26.80	27.00	8.00	S	*15X27X8★	32
1.250	1.254	.375	N	*480016N	48	1.055	1.063	.315			
1.375	1.379	.250	S	471551	47	27.80	28.00	6.00	S	*15X28X6★	32
1.375	1.379	.250	S	*481551	48	1.094	1.102	.236			
1.375	1.379	.250	H	*481551H	48	27.80	28.00	8.00	S	*15X28X8★	32
1.375	1.379	.312	S	*411557	41	1.094	1.102	.315			
1.375	1.379	.406	S	*410021	41	27.80	28.00	10.00	S	*15X28X10★	32
1.375	1.379	.406	S	*450021	45	1.094	1.102	.394			
1.375	1.379	.406	S	*470021	47	27.93	28.13	7.00	S	*15X28.13X7★	32
1.375	1.379	.406	S	*480021	48	1.099	1.107	.276			
14,50mm (.571") SHAFT						28.00	28.20	7.00	S	15X28X7★	32
31.80	32.00	7.00	S	*14.5X32X7★	32	1.102	1.110	.276			
1.252	1.260	.276				28.30	28.50	7.00	S	*15X28.5X7★	32
14,80mm (.583") SHAFT						1.114	1.122	.276			
29.80	30.00	7.50	S	*14.8X30X7.5★	32	28.80	29.00	7.00	S	*15X29X7★	32
1.173	1.181	.295				1.134	1.142	.276			
						29.80	30.00	5.00	S	*15X30X5★	32
						1.173	1.181	.197			
						29.80	30.00	7.50	S	*15X30X7.5★	32
						1.173	1.181	.295			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
15,00mm (.591") SHAFT (cont.)						.610" SHAFT					
29.80	30.00	8.00	S	*15X30X8★	32	—	—	—	S	800160	VRS1
1.173	1.181	.315	—	—	—	—	—	—	V	800164	VRS1
29.80	30.00	10.00	S	*15X30X10★	32	1.102	1.106	.600	V	710274	#
1.173	1.181	.394	—	—	—	.614" SHAFT					
30.00	30.23	7.00	S	221540★	35	—	—	—	S	800160	VRS1
1.181	1.190	.276	—	—	—	—	—	—	V	800164	VRS1
30.00	30.23	7.00	S	15X30X7★	32	15,60mm (.614") SHAFT					
1.181	1.190	.276	—	—	—	25.30	25.50	7.00	S	*15.6X25.5X7★	32
30.80	31.00	7.00	S	*15X31X7★	32	.996	1.004	.276	—	—	—
1.212	1.220	.276	—	—	—	.614" SHAFT					
31.80	32.00	5.00	S	*15X32X5★	32	.999	1.006	.250	S	340724	34
1.252	1.260	.197	—	—	—	.621" SHAFT					
31.80	32.00	7.50	S	*15X32X7.5★	32	—	—	—	S	800160	VRS1
1.252	1.260	.295	—	—	—	—	—	—	V	800164	VRS1
31.80	32.00	9.00	S	*15X32X9★	32	.937	.941	.187	S	*311197	31
1.252	1.260	.354	—	—	—	.622" SHAFT					
32.00	32.20	7.00	S	15X32X7★	35	—	—	—	S	800160	VRS1
1.260	1.268	.276	—	—	—	—	—	—	V	800164	VRS1
32.00	32.20	7.00	V	*15X32X7V★	35	1.559	1.567	.453	S	*712127	32
1.260	1.268	.276	—	—	—	.625" (5/8") SHAFT					
32.00	32.22	8.00	S	15X32X8★	32	—	—	—	S	800160	VRS1
1.260	1.269	.315	—	—	—	—	—	—	V	800164	VRS1
34.80	35.00	5.00	S	*15X35X5★	32	—	—	.313	99062	Redi-Sleeve	
1.370	1.378	.197	—	—	—	.812	.820	.093	S	340387	34
34.80	35.00	6.00	S	*15X35X6★	32	.875	.879	.230	S	*9659	#
1.370	1.378	.236	—	—	—	.875	.879	.230	H	*9659H	#
34.80	35.00	8.00	S	*15X35X8★	32	.875	.880	.125	S	253747	25
1.370	1.378	.315	—	—	—	.875	.883	.093	S	340849	34
34.80	35.00	10.00	S	*15X35X10★	32	.936	.942	.187	S	343105	34
1.370	1.378	.394	—	—	—	.937	.945	.187	S	7399S	24
35.00	35.20	7.00	V	*15X35X7V★	35	.999	1.003	.250	S	7188S	33
1.378	1.386	.276	—	—	—	.999	1.005	.250	S	351487	35
35.00	35.23	7.00	S	15X35X7★	32	1.000	1.004	.156	N	*6792	4S
1.378	1.387	.276	—	—	—	1.000	1.004	.250	S	*250416	25
35.80	36.00	7.00	S	*15X36X7★	32	1.000	1.005	.125	N	314267N	31
1.409	1.417	.276	—	—	—	1.124	1.128	.250	S	48146	#
36.80	37.00	7.00	S	*15X37X7★	32	1.124	1.128	.250	S	41466S	4S
1.449	1.457	.276	—	—	—	1.124	1.128	.250	S	471466	47
37.00	37.20	6.00	S	15X37X6★	32	1.124	1.128	.250	A	471466A	47
1.457	1.465	.236	—	—	—	1.124	1.128	.250	N	*471466N	47
37.80	38.00	10.00	S	*15X38X10★	32	1.124	1.128	.250	V	471466V	47
1.488	1.496	.394	—	—	—	1.124	1.128	.250	S	*481466	48
38.00	38.20	7.00	S	*15X38X7★	32	1.124	1.128	.250	V	*481466V	48
1.496	1.504	.276	—	—	—	1.124	1.128	.312	S	*410791	41
39.80	40.00	8.00	S	*15X40X8★	32	1.124	1.128	.312	V	410791V	41
1.567	1.575	.315	—	—	—	1.124	1.128	.312	S	*450791	45
39.80	40.00	10.00	S	*15X40X10★	32	1.124	1.128	.312	V	*450791V	45
1.567	1.575	.394	—	—	—	1.124	1.128	.312	S	*470791	47
40.00	40.20	7.00	S	15X40X7★	32	1.124	1.128	.312	H	*470791H	47
1.575	1.583	.276	—	—	—	1.124	1.128	.312	N	*470791N	47
41.80	42.00	7.00	S	*15X42X7★	32	1.124	1.128	.312	S	*480791	48
1.646	1.654	.276	—	—	—	1.124	1.128	.375	L	*50009	5L
41.80	42.00	8.00	S	*15X42X8★	32	1.124	1.128	.375	S	*410009	41
1.646	1.654	.315	—	—	—	1.124	1.128	.375	N	*410009N	41
41.80	42.00	10.00	S	*15X42X10★	32	1.124	1.128	.375	S	*450009	45
1.646	1.654	.394	—	—	—	1.124	1.128	.375	V	*450009V	45
.593" (19/32") SHAFT						1.124	1.128	.375	S	470009	47
—	—	.197	—	—	—	1.124	1.128	.375	N	*470009N	47
.935	.943	.175	S	340797	34	1.124	1.128	.375	S	*480009	48
1.000	1.008	.203	S	*712128	32	1.124	1.128	.375	S	712017	#
1.124	1.128	.312	S	471532	47						
1.124	1.128	.375	S	*450008	45						
1.250	1.254	.312	S	473405	47						
1.250	1.254	.375	S	*450017	45						
1.250	1.254	.375	V	*450017V	45						
1.375	1.379	.250	S	*481552	48						
1.375	1.379	.312	S	471558	47						
1.375	1.379	.406	S	*450022	45						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
.625" (5/8") SHAFT (cont.)						16,00mm (.630") SHAFT (cont.)					
1.124	1.128	.375	S	712024	#	21,80	22,00	7,00	S	*16X22X7★	32
1.124	1.128	.531	V	*3074V	49	.858	.866	.276			
1.124	1.129	.250	V	*3757V	35	22,00	22,20	4,00	S	16X22X4★	32
1.124	1.130	.250	S	340009S	34	.866	.874	.157			
1.124	1.130	.250	S	351466	35	23,80	24,00	4,00	S	*16X24X4★	32
1.124	1.135	.175	S	240009	24	.937	.945	.157			
1.124	1.135	.175	S	*240791	24	24,00	24,20	6,00	S	16X24X6★	32
1.124	1.135	.175	N	*240791N	24	.945	.953	.236			
1.181	1.185	.350	V	*471291V	47	24,00	24,20	7,00	S	16X24X7★	32
1.246	1.250	.375	S	450535	45	.945	.953	.276			
1.246	1.250	.375	S	*480535	48	24,80	25,00	5,00	S	*16X25X5★	32
1.250	1.254	.250	V	471264V	47	.976	.984	.197			
1.250	1.254	.250	S	41264S	4S	24,80	25,00	6,00	S	*16X25X6★	32
1.250	1.254	.250	S	471264	47	.976	.984	.236			
1.250	1.254	.250	A	471264A	47	24,80	25,00	7,00	S	*16X25X7★	32
1.250	1.254	.250	S	*481264	48	.976	.984	.276			
1.250	1.254	.375	S	*410018	41	25,00	25,20	5,00	S	16X24X5★	35
1.250	1.254	.375	S	*450018	45	.984	.992	.197			
1.250	1.254	.375	S	470018	47	25,80	26,00	5,00	S	*16X26X5★	32
1.250	1.254	.375	S	*480018	48	1.016	1.024	.197			
1.375	1.379	.250	S	*40023S	4S	25,80	26,00	6,00	S	*16X26X6★	32
1.375	1.379	.250	S	471255	47	1.016	1.024	.236			
1.375	1.379	.250	A	471255A	47	25,80	26,00	6,00	S	*16X26X6★	32
1.375	1.379	.250	V	471255V	47	1.016	1.024	.236			
1.375	1.379	.250	S	*481255	48	26,00	26,10	7,00	S	710243★	25
1.375	1.379	.250	V	*481255V	48	1.024	1.028	.276			
1.375	1.379	.312	S	*411324	41	26,00	26,20	7,00	S	16X26X7★	32
1.375	1.379	.312	S	*451324	45	1.024	1.031	.276			
1.375	1.379	.312	S	*471324	47	26,80	27,00	7,00	S	*16X27X7★	32
1.375	1.379	.312	S	*481324	48	1.055	1.063	.276			
1.375	1.379	.406	S	*410023	41	27,00	27,20	14,00	N	221607★	#
1.375	1.379	.406	S	*450023	45	1.063	1.071	.551			
1.375	1.379	.406	H	*450023H	45	27,23	27,33	9,00	V	*4662V★	47
1.375	1.379	.406	S	470023	47	1.072	1.076	.354			
1.375	1.379	.406	S	*480023	48	27,23	27,33	9,00	V	714662★	47
1.375	1.381	.250	S	351255	35	1.072	1.076	.354			
1.375	1.385	.175	S	240023	24	28,00	28,20	7,00	V	*16X28X7V★	32
1.377	1.381	.406	S	*450557	45	1.102	1.110	.276			
1.377	1.381	.406	S	470557	47	28,00	28,23	7,00	N	221610★	32
1.499	1.503	.250	S	471564	47	1.102	1.111	.276			
1.499	1.503	.250	S	*481564	48	28,00	28,23	7,00	S	16X28X7★	32
1.499	1.503	.312	S	*411577	41	1.102	1.111	.276			
1.499	1.503	.312	S	*451577	45	28,30	28,50	8,00	S	*16X28.5X8★	32
1.499	1.503	.312	S	*471577	47	1.114	1.122	.315			
1.499	1.503	.312	S	*481577	48	28,80	29,00	7,00	S	*16X29X7★	32
1.499	1.503	.390	S	*410975	41	1.134	1.142	.276			
1.499	1.503	.390	S	*450975	45	29,80	30,00	4,50	S	*16X30X4.5★	32
1.499	1.503	.390	S	*470975	47	1.173	1.181	.177			
1.499	1.503	.390	S	*480975	48	29,80	30,00	5,00	S	*16X30X5★	32
1.575	1.579	.312	S	471612	47	1.173	1.181	.197			
1.575	1.579	.312	S	*481612	48	29,80	30,00	6,00	S	*16X30X6★	32
1.624	1.628	.312	S	*411653	41	1.173	1.181	.236			
1.624	1.628	.312	S	471653	47	29,80	30,00	8,00	S	*16X30X8★	32
1.624	1.628	.437	S	*411024	41	1.173	1.181	.315			
1.624	1.628	.437	S	*451024	45	29,80	30,00	10,00	S	*16X30X10★	32
1.624	1.628	.437	S	471024	47	1.173	1.181	.394			
1.624	1.628	.437	S	*481024	48	30,00	30,20	7,00	V	*16X30X7V★	35
1.624	1.628	.489	S	*472207	47	1.181	1.189	.276			
1.625	1.629	.250	S	484114	48	30,00	30,23	7,00	S	221620★	35
1.687	1.691	.750	N	*712132	#	1.181	1.190	.276			
1.752	1.756	.312	S	*471695	47	30,00	30,23	7,00	S	16X30X7★	32
2.047	2.051	.312	S	*472137	47	1.181	1.190	.276			
2.441	2.445	.375	S	*472146	47	31,80	32,00	10,00	S	*16X32X10★	32
16,00mm (.630") SHAFT						1.252	1.260	.394			
-	-	-	S	800160	VRS1	32,00	32,28	7,00	S	16X32X7★	32
-	-	-	V	800164	VRS1	1.260	1.271	.276			
-	-	.313		99058		33,80	34,00	4,00	S	*16X34X4★	32
20,80	21,00	6,00	S	*16X21X6★	32	1.331	1.339	.157			
.819	.827	.236				34,80	35,00	8,00	S	*16X35X8★	32
						1.370	1.378	.315			
						34,80	35,00	10,00	S	*16X35X10★	32
						1.370	1.378	.394			

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Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
16,00mm (.630") SHAFT (cont.)						17,00mm (.669") SHAFT (cont.)					
35,00	35,23	7,00	S	16X35X7★	32	24,80	25,00	7,00	S	*17X25X7★	32
1,378	1,387	.276				.976	.984	.276			
36,00	36,20	7,00	S	*16X36X7★	32	25,00	25,10	5,00	S	710362★	49
1,417	1,425	.276				.984	.988	.197			
36,80	37,00	7,00	S	*16X37X7★	32	25,80	26,00	6,00	S	*17X26X6★	32
1,449	1,457	.276				1,016	1,024	.236			
37,80	38,00	8,00	S	*16X38X8★	32	25,80	26,00	7,00	S	*17X26X7★	32
1,488	1,496	.315				1,016	1,024	.276			
38,00	38,20	7,00	S	16X38X7★	32	26,80	27,00	5,00	S	*17X27X5★	32
1,496	1,504	.276				1,055	1,063	.197			
39,80	40,00	10,00	S	*16X40X10★	32	26,80	27,00	8,00	S	*17X27X8★	32
1,567	1,575	.394				1,055	1,063	.315			
40,00	40,20	7,00	S	16X40X7★	32	26,80	27,00	10,00	S	*17X27X10★	32
1,575	1,583	.276				1,055	1,063	.394			
44,75	44,96	9,00	V	*4616V★	#	27,00	27,20	7,00	S	17X27X7★	32
1,762	1,770	.354				1,063	1,071	.276			
44,75	44,96	9,00	V	714616★	#	27,80	28,00	4,50	S	*17X28X4.5★	32
1,762	1,770	.354				1,094	1,102	.177			
56,00	56,20	6,50	V	710261★➡	32	27,80	28,00	5,00	S	*17X28X5★	32
2,205	2,213	.256				1,094	1,102	.197			
.634" SHAFT						27,80	28,00	6,00	S	*17X28X6★	32
-	-	-	S	800160	VRS1	1,094	1,102	.236			
-	-	-	V	800164	VRS1	27,80	28,00	8,00	S	*17X28X8★	32
1,246	1,255	.300	T	*100459T	#	1,094	1,102	.315			
16,40mm (.646") SHAFT						28,00	28,20	7,00	V	*17X28X7V★	35
29,80	30,00	5,00	S	*16.4X30X5★	32	1,102	1,110	.276			
1,173	1,181	.197				28,00	28,23	7,00	S	221710★	35
.656" (21/32") SHAFT						1,102	1,111	.276			
-	-	-	S	800160	VRS1	28,00	28,23	7,00	S	17X28X7★	35
-	-	-	V	800164	VRS1	1,102	1,111	.276			
1.124	1.128	.250	S	481528	48	28,30	28,50	7,00	S	*17X28.5X7★	32
1,125	1,129	.375	S	*451096	45	1,114	1,122	.276			
1,125	1,129	.375	H	*451096H	45	28,80	29,00	5,00	S	*17X29X5★	32
1.250	1.254	.250	S	481537	48	1,134	1,142	.197			
1,250	1,254	.375	S	*450469	45	29,00	29,20	7,00	S	*17X29X7★	32
1,250	1,258	.250	S	340469	34	1,142	1,150	.276			
1,250	1,258	.250	N	*340469N	34	29,80	30,00	5,00	S	*17X30X5★	32
1.375	1.379	.250	S	481073	48	1,173	1,181	.197			
1,375	1,379	.312	S	*450649	45	1,173	1,181	.236			
1,375	1,379	.406	S	*450024	45	29,80	30,00	6,00	S	*17X30X6★	32
1,561	1,565	.250	S	*481592	48	1,173	1,181	.236			
1.575	1.579	.250	S	481397	48	29,80	30,00	8,00	S	*17X30X8★	32
1,575	1,579	.312	H	*481436H	48	1,173	1,181	.315			
1,575	1,579	.375	S	*450780	45	29,80	30,00	10,00	S	*17X30X10★	32
1,752	1,756	.250	S	*481682	48	1,173	1,181	.394			
.668" SHAFT						30,00	30,20	7,00	V	*17X30X7V★	35
-	-	-	S	800160	VRS1	1,181	1,189	.276			
-	-	-	V	800164	VRS1	30,00	30,23	8,00	S	221720★	32
-	-	.315		99068	Redi-Sleeve	1,181	1,190	.276			
1.187	1.191	.185	S	481481	48	30,00	30,23	7,00	S	17X30X7★	32
17,00mm (.669") SHAFT						1,181	1,190	.276			
-	-	-	S	800160	VRS1	30,80	31,00	7,00	S	*17X31X7★	32
-	-	-	V	800164	VRS1	1,212	1,220	.276			
-	-	.315		99068	Redi-Sleeve	30,80	31,00	8,00	S	*17X31X8★	32
20,80	20,90	3,10	S	710361★	44	1,212	1,220	.315			
.819	.823	.122				31,55	31,75	8,00	S	*17X31.75X8★	32
23,80	24,00	7,00	S	*17X24X7★	32	1,242	1,250	.315			
.937	.945	.276				31,80	32,00	5,00	S	*17X32X5★	32
24,80	25,00	4,00	S	*17X25X4★	32	1,252	1,260	.197			
.976	.984	.157				31,80	32,00	6,00	S	*17X32X6★	32
24,80	25,00	6,00	S	*17X25X6★	32	1,252	1,260	.236			
.976	.984	.236				31,80	32,00	8,00	S	*17X32X8★	32
						1,252	1,260	.315			
						32,00	32,22	7,00	S	221730★	35
						1,260	1,269	.276			
						32,00	32,22	7,00	S	17X32X7★	32
						1,260	1,269	.276			
						32,80	33,00	7,00	S	*17X33X7★	32
						1,291	1,299	.276			
						33,80	34,00	4,00	S	*17X34X4★	32
						1,331	1,339	.157			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
17,00mm (.669") SHAFT (cont.)						.687" (11/16") SHAFT (cont.)					
33.80	34.00	7.00	S	*17X34X7★	32	1.125	1.129	.312	S	*471297	47
1.331	1.339	.276				1.125	1.129	.312	N	*471297N	47
34.00	34.10	7.90	N	710251★	47	1.187	1.191	.187	S	*474261	47
1.339	1.343	.311				1.250	1.254	.250	S	8773S➔	25
34.30	34.50	4.00	S	*17X34.5X4★	32	1.250	1.254	.250	S	*471538	47
1.350	1.358	.157				1.250	1.254	.250	S	481538	48
34.80	35.00	6.00	S	*17X35X6★	32	1.250	1.254	.250	V	*481538V	48
1.370	1.378	.236				1.250	1.254	.375	S	*410355	41
34.80	35.00	10.00	S	*17X35X10★	32	1.250	1.254	.375	S	*450355	45
1.370	1.378	.394				1.250	1.254	.375	S	*470355	47
35.00	35.18	7.00	S	17X35X7★	35	1.250	1.254	.375	S	*480355	48
1.378	1.385	.276				1.375	1.379	.250	S	*471553	47
35.00	35.18	7.00	S	221735★	35	1.375	1.379	.250	S	*481553	48
1.378	1.385	.276				1.375	1.379	.312	S	*451559	45
35.00	35.20	7.00	V	*17X35X7V★	35	1.375	1.379	.312	S	*471559	47
1.378	1.386	.276				1.375	1.379	.406	S	*410025	41
35.00	35.20	8.00	S	17X35X8★	35	1.375	1.379	.406	S	450025	45
1.378	1.386	.315				1.375	1.379	.406	S	470025	47
36.00	36.20	7.00	S	*17X36X7★	32	1.375	1.379	.406	S	*480025	48
1.417	1.425	.276				1.499	1.503	.312	S	*471579	47
36.80	37.00	10.00	S	*17X37X10★	32	1.499	1.503	.312	S	*481579	48
1.449	1.457	.394				1.499	1.503	.390	S	*410205	41
37.00	37.20	7.00	S	17X37X7★	32	1.499	1.503	.390	S	*450205	45
1.457	1.465	.276				1.499	1.503	.390	N	*450205N	45
37.80	38.00	10.00	S	*17X38X10★	32	1.499	1.503	.390	S	*470205	47
1.488	1.496	.394				1.499	1.503	.390	S	*480205	48
38.00	38.20	7.00	S	17X38X7★	32	1.624	1.628	.250	S	*471642	47
1.496	1.504	.276				17,50mm (.689") SHAFT					
39.80	40.00	5.00	S	*17X40X5★	32	—	—	—	S	800160	VRS1
1.567	1.575	.197				—	—	—	V	800164	VRS1
39.80	40.00	8.00	S	*17X40X8★	32	27.50	27.70	7.00	N	710299★	#
1.567	1.575	.315				1.083	1.091	.276			
39.80	40.00	10.00	S	*17X40X10★	32	31.80	32.00	6.00	S	*17.5X32X6★	32
1.567	1.575	.394				1.252	1.260	.236			
40.00	40.23	7.00	S	17X40X7★	32	.690" SHAFT					
1.575	1.584	.276				—	—	—	S	800160	VRS1
42.00	42.20	7.00	S	*17X42X7★	32	—	—	—	V	800164	VRS1
1.654	1.661	.276				.997	1.003	.295	S	3667&	271
45.00	45.20	7.00	S	*17X45X7★	32	17,60mm (.693") SHAFT					
1.772	1.780	.276				29.80	30.00	7.00	S	*17.6X30X7★	32
45.80	46.00	6.00	S	*17X46X6★	32	1.173	1.181	.276			
1.803	1.811	.236				.697" SHAFT					
46.00	46.20	7.00	S	*17X46X7★	32	1.220	1.227	.204	V	*320242	32
1.811	1.819	.276				.701" SHAFT					
46.80	47.00	10.00	S	*17X47X10★	32	1.160	1.164	.250	S	331173	33
1.842	1.850	.394				18,00mm (.709") SHAFT					
47.00	47.20	7.00	S	17X47X7★	35	—	—	.315	*99082	Redi-Sleeve	
1.850	1.858	.276				23.00	23.20	4.00	S	710297★	34
47.00	47.20	8.00	S	17X47X8★	32	.906	.913	.157			
1.850	1.858	.315				24.80	25.00	7.00	S	*18X25X7★	32
17,40mm (.685") SHAFT						.976	.984	.276			
—	—	—	S	800160	VRS1	25.80	26.00	7.00	S	*18X26X7★	32
—	—	—	V	800164	VRS1	1.016	1.024	.276			
—	—	.313		99060	Redi-Sleeve	26.00	26.10	4.00	S	710222★	98
30.00	30.20	7.00	S	710344★	32	1.024	1.028	.157			
1.181	1.189	.276				26.80	27.00	7.00	S	*18X27X7★	32
.687" (11/16") SHAFT						1.055	1.063	.276			
—	—	—	S	800160	VRS1	27.80	28.00	7.00	S	*18X28X7★	32
—	—	—	V	800164	VRS1	1.094	1.102	.276			
1.124	1.128	.250	S	*471529	47	18,00mm (.709") SHAFT					
1.124	1.128	.250	S	*481529	48	—	—	.315	*99082	Redi-Sleeve	
1.124	1.128	.250	N	*481529N	48	23.00	23.20	4.00	S	710297★	34
1.124	1.128	.312	S	*451297	45	.906	.913	.157			
1.124	1.128	.375	S	*410137	41	24.80	25.00	7.00	S	*18X25X7★	32
1.124	1.128	.375	S	*450137	45	.976	.984	.276			
1.124	1.128	.375	S	*470137	47	25.80	26.00	7.00	S	*18X26X7★	32
1.124	1.128	.375	S	*480137	48	1.016	1.024	.276			
1.125	1.129	.312	S	*411297	41	26.00	26.10	4.00	S	710222★	98
						1.024	1.028	.157			
						26.80	27.00	7.00	S	*18X27X7★	32
						1.055	1.063	.276			
						27.80	28.00	7.00	S	*18X28X7★	32
						1.094	1.102	.276			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
18,00mm (.709") SHAFT (cont.)						18,00mm (.709") SHAFT (cont.)					
27,80	28,00	8,00	S	*18X28X8★	32	40,00	40,22	7,00	S	18X40X7★	32
1,094	1,102	.315				1,575	1,583	.276			
27,80	28,00	10,00	S	*18X28X10★	32	40,00	40,20	7,00	V	*18X40X7V★	35
1,094	1,102	.394				1,575	1,583	.276			
28,00	28,20	6,00	S	1015★	35	41,80	42,00	7,00	S	*18X42X7★	32
1,102	1,110	.236				1,646	1,654	.276			
28,00	28,20	6,00	S	1015N★	35	41,80	42,00	10,00	S	*18X42X10★	32
1,102	1,110	.236				1,646	1,654	.394			
28,00	28,20	6,00	N	*4400★	34	.718" SHAFT					
1,102	1,110	.236				1,250	1,254	.375	L	*50506	5L
28,00	28,20	7,00	V	*18X28X7V★	35	1.250	1.254	.375	S	470506	47
1,102	1,110	.276				.735" SHAFT					
28,00	28,28	6,00	S	18X28X6★	32	1,248	1,252	.250	S	472878	47
1,102	1,113	.236				18,70mm (.736") SHAFT					
28,80	29,00	7,00	S	*18X29X7★	32	35,00	35,20	7,00	N	710272★	32
1,134	1,142	.276				1,378	1,386	.276			
29,80	30,00	6,00	S	*18X30X6★	32	.737" SHAFT					
1,173	1,181	.236				1,375	1,379	.343	S	473416	47
29,80	30,00	6,00	S	*18X30X6★	32	1,375	1,382	.312	S	*3802	#
1,173	1,181	.236				.739" SHAFT					
29,80	30,00	8,00	S	*18X30X8★	32	1,250	1,254	.407	S	*4084	#
1,173	1,181	.315				.742" SHAFT					
29,80	30,00	10,00	S	*18X30X10★	32	1,063	1,067	.187	S	7929S	33
1,173	1,181	.394				19,00mm (.748") SHAFT					
30,00	30,10	6,70	S	3816★&	271	-	-	.313		99076	Redi-Sleeve
1,181	1,185	.264				-	-	.375		99075	Redi-Sleeve
30,00	30,23	7,00	S	18X30X7★	32	24,80	25,00	6,00	S	*19X25X6★	32
1,181	1,190	.276				.976	.984	.236			
30,00	30,23	9,00	S	221820★➡	32	26,80	27,00	5,00	S	*19X27X5★	32
1,181	1,190	.354				1,055	1,063	.197			
30,80	31,00	7,00	S	*18X31X7★	32	26,80	27,00	10,00	S	*19X27X10★	32
1,212	1,220	.276				1,055	1,063	.394			
31,80	32,00	6,00	S	*18X32X6★	32	27,00	27,20	6,00	S	19X27X6★	35
1,252	1,260	.236				1,063	1,071	.236			
31,80	32,00	10,00	S	*18X32X10★	32	27,80	28,00	7,00	S	*19X28X7★	32
1,252	1,260	.394				1,094	1,102	.276			
32,00	32,10	7,00	S	710156★	#	28,80	29,00	7,00	S	*19X29X7★	32
1,260	1,264	.276				1,134	1,142	.276			
32,00	32,20	7,00	S	18X32X7★	35	30,00	30,20	7,00	S	19X30X7★	32
1,260	1,268	.276				1.181	1.189	.276			
32,00	32,20	7,00	V	*18X32X7V★	35	30,00	30,20	7,00	S	221920★	32
1,260	1,268	.276				1,181	1,189	.276			
32,00	32,22	8,00	S	221830★	35	31,80	32,00	5,00	S	*19X32X5★	32
1,260	1,269	.315				1,252	1,260	.197			
32,00	32,22	8,00	S	18X32X8★	32	31,80	32,00	6,00	S	*19X32X6★	32
1,260	1,269	.315				1,252	1,260	.236			
32,00	32,23	12,70	N	*4401★	#	31,80	32,00	10,00	S	*19X32X10★	32
1,260	1,269	.500				1,252	1,260	.394			
33,80	34,00	7,00	S	*18X34X7★	32	32,00	32,20	7,00	S	19X32X7★	35
1,331	1,339	.276				1,260	1,268	.276			
34,00	34,20	8,00	S	710412★	32	32,00	32,20	8,00	S	19X32X8★	32
1,339	1,346	.315				1,260	1,268	.315			
34,80	35,00	8,00	S	*18X35X8★	32	32,00	32,20	8,00	S	221922★	32
1,370	1,378	.315				1,260	1,268	.315			
34,80	35,00	10,00	S	*18X35X10★	32	32,80	33,00	8,00	S	*19X33X8★	32
1,370	1,378	.394				1,291	1,299	.315			
35,00	35,18	7,00	S	18X35X7★	32	33,30	33,50	7,00	S	*19X33.5X7★	32
1,378	1,385	.276				1,311	1,319	.276			
35,00	35,20	8,00	V	*18X35X8V★	35						
1,378	1,386	.315									
36,00	36,20	7,00	S	*18X36X7★	32						
1,417	1,425	.276									
36,80	37,00	7,00	S	*18X37X7★	32						
1,449	1,457	.276									
37,00	37,20	8,00	S	18X37X8★	32						
1,457	1,465	.315									
37,80	38,00	10,00	S	*18X38X10★	32						
1,488	1,496	.394									
38,00	38,20	7,00	S	18X38X7★	32						
1,496	1,504	.276									
39,80	40,00	10,00	S	*18X40X10★	32						
1,567	1,575	.394									

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★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
19,00mm (.748") SHAFT (cont.)						.750" (3/4") SHAFT (cont.)					
33.80	34.00	7.00	S	*19X34X7★	32	1.250	1.254	.250	N	*480954N	48
1.331	1.339	.276				1.250	1.254	.250	V	480954V	48
34.80	35.00	7.00	S	*19X35X7★	32	1.250	1.254	.250	S	712027	#
1.370	1.378	.276				1.250	1.254	.280	S	2287	274
34.80	35.00	8.00	S	*19X35X8★	32	1.250	1.254	.312	S	6835S	33
1.370	1.378	.315				1.250	1.254	.375	S	*410141	41
34.93	35.00	8.00	S	710445★	35	1.250	1.254	.375	S	*450141	45
1.375	1.378	.315				1.250	1.254	.375	V	*450141V	45
35.00	35.23	10.00	S	19X35X10★	32	1.250	1.254	.375	S	470141	47
1.378	1.387	.394				1.250	1.254	.375	S	*480141	48
35.00	35.23	10.00	S	710273★	35	1.250	1.254	.375	H	*480141H	48
1.378	1.387	.394				1.250	1.254	.375	S	712014	#
35.80	36.00	7.00	S	*19X36X7★	32	1.250	1.254	.437	S	*3075	282
1.409	1.417	.276				1.250	1.255	.275	S	*473571	47
36.00	36.23	6.50	S	221925★	35	1.250	1.256	.250	S	350954	35
1.417	1.426	.256				1.250	1.258	.312	S	350679	35
36.80	37.00	10.00	S	*19X37X10★	32	1.263	1.267	.250	S	*472129	47
1.449	1.457	.394				1.302	1.306	.250	S	474131	47
37.00	37.20	7.00	S	*19X37X7★	32	1.311	1.315	.312	S	*252450	25
1.457	1.465	.276				1.311	1.315	.312	S	7013S	25
37.80	38.00	8.00	S	*19X38X8★	32	1.312	1.316	.250	S	480821	48
1.488	1.496	.315				1.375	1.379	.250	S	40027S	4S
37.80	38.00	10.00	S	*19X38X10★	32	1.375	1.379	.250	S	471554	47
1.488	1.496	.394				1.375	1.379	.250	A	471554A	47
38.00	38.20	7.00	S	*19X38X7★	32	1.375	1.379	.250	N	*471554N	47
1.496	1.504	.276				1.375	1.379	.250	V	471554V	47
38.00	38.20	7.00	S	710154★	32	1.375	1.379	.250	S	*481554	48
1.496	1.504	.276				1.375	1.379	.250	N	*481554N	48
1.499	1.504	.312	S	*2855	#	1.375	1.379	.250	V	*481554V	48
39.80	40.00	7.00	S	*19X40X7★	32	1.375	1.379	.312	S	7028	25
1.567	1.575	.276				1.375	1.379	.312	V	*7028V	25
40.00	40.23	10.00	S	19X40X10★	35	1.375	1.379	.312	S	*410895	41
1.575	1.584	.394				1.375	1.379	.312	S	*450895	45
40.80	41.00	7.00	S	*19X41X7★	32	1.375	1.379	.312	V	*450895V	45
1.606	1.614	.276				1.375	1.379	.312	S	470895	47
42.00	42.20	7.00	S	*19X42X7★	32	1.375	1.379	.312	S	*480895	48
1.654	1.661	.276				1.375	1.379	.406	V	*50027	5L
45.00	45.20	7.00	S	*19X45X7★	32	1.375	1.379	.406	S	*410027	41
1.772	1.780	.276				1.375	1.379	.406	S	*450027	45
46.00	46.20	7.00	S	*19X46X7★	32	1.375	1.379	.406	H	*450027H	45
1.811	1.819	.276				1.375	1.379	.406	N	*450027N	45
47.00	47.20	7.00	S	19X47X7★	32	1.375	1.379	.406	S	470027	47
1.850	1.858	.276				1.375	1.379	.406	S	*480027	48
47.63	47.73	6.35	S	*43361★	4S	1.375	1.379	.406	H	*480027H	48
1.875	1.879	.250				1.375	1.379	.500	S	*73289S	7S
.750" (3/4") SHAFT						1.499	1.503	.250	S	471567	47
-	-	-	S	800200	VRS1	1.499	1.503	.250	S	*481567	48
-	-	-	V	800204	VRS1	1.499	1.503	.312	S	*411580	41
-	-	.313		99076	Redi-Sleeve	1.499	1.503	.312	S	*451580	45
-	-	.375		99075	Redi-Sleeve	1.499	1.503	.312	H	*451580H	45
.999	1.010	.156	S	240735	24	1.499	1.503	.312	S	*471580	47
1.000	1.004	.125	S	727410	44	1.499	1.503	.312	S	*481580	48
1.000	1.005	.125	S	312518	31	1.499	1.503	.390	S	*410028	41
1.000	1.005	.125	S	342518	34	1.499	1.503	.390	S	*450028	45
1.031	1.035	.313	S	7214	49	1.561	1.565	.375	S	*470028	47
1.062	1.072	.187	S	240816	24	1.561	1.565	.375	S	450340	45
1.124	1.128	.188	S	7750	48	1.561	1.565	.375	S	470340	47
1.124	1.129	.187	S	254270	25	1.561	1.565	.375	S	*480340	48
1.124	1.133	.250	S	340495	34	1.575	1.579	.312	S	471498	47
1.125	1.129	.250	S	1049	33	1.575	1.579	.312	H	*471498H	47
1.125	1.131	.156	S	343185	34	1.575	1.579	.375	S	*410580	41
1.187	1.191	.156	S	*313043	31	1.575	1.579	.375	S	*450580	45
1.250	1.254	.250	S	41389S	4S	1.624	1.628	.250	S	471643	47
1.250	1.254	.250	S	470954	47	1.624	1.628	.250	S	*481643	48
1.250	1.254	.250	A	470954A	47	1.624	1.628	.312	S	*411656	41
1.250	1.254	.250	H	*470954H	47	1.624	1.628	.312	S	*451656	45
1.250	1.254	.250	N	*470954N	47	1.624	1.628	.312	S	*471656	47
1.250	1.254	.250	V	470954V	47	1.624	1.628	.312	H	*471656H	47
1.250	1.254	.250	S	480954	48	1.624	1.628	.312	S	*481656	48
						1.624	1.628	.312	V	*481656V	48

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
.750" (3/4") SHAFT (cont.)						.781" (25/32") SHAFT (cont.)					
1.624	1.628	.437	S	*410211	41	1.499	1.503	.250	S	*481568	48
1.624	1.628	.437	S	*450211	45	1.499	1.503	.312	S	*451581	45
1.624	1.628	.437	S	*470211	47	1.499	1.503	.312	S	*471581	47
1.624	1.628	.437	S	*480211	48	1.499	1.503	.390	S	*450029	45
1.752	1.756	.250	S	*471684	47	1.499	1.503	.390	S	*470029	47
1.752	1.756	.250	S	*481684	48	1.624	1.628	.250	S	*481644	48
1.752	1.756	.312	S	*411698	41	1.624	1.628	.437	S	*470212	47
1.752	1.756	.312	S	*471698	47	1.752	1.756	.312	S	*411337	41
1.752	1.756	.375	S	*481428	48	1.752	1.756	.312	S	*471337	47
1.752	1.756	.437	S	*410222	41	1.752	1.756	.437	S	*450223	45
1.752	1.756	.437	S	*450222	45	1.752	1.756	.437	S	*470223	47
1.752	1.756	.437	S	*470222	47	1.828	1.832	.437	S	*450034	45
1.752	1.756	.437	S	*480222	48	1.828	1.832	.437	S	*470034	47
1.783	1.787	.250	S	*473196	47	1.828	1.833	.250	S	*474273	47
1.828	1.832	.375	S	*473406	47	1.850	1.854	.312	S	*482089	48
1.828	1.832	.437	S	*410033	41	1.850	1.854	.375	S	*472237	47
1.828	1.832	.437	S	*450033	45	1.874	1.878	.437	S	*451739	45
1.828	1.832	.437	S	*470033	47	20,00mm (.787") SHAFT					
1.828	1.832	.437	S	*480033	48	—	—	—	S	800200	VRS1
1.874	1.878	.250	S	*470390	47	—	—	—	V	800204	VRS1
1.874	1.878	.250	N	*470390N	47	—	—	.313		99078	Redi-Sleeve
1.874	1.878	.250	S	*480390	48	24,80	25,00	7,00	S	*20X25X7★	32
1.874	1.878	.437	S	*410610	41	.976	.984	.276			
1.874	1.878	.437	S	*450610	45	25,80	26,00	4,00	S	*20X26X4★	32
1.874	1.878	.437	S	*470610	47	1,016	1,024	.157			
1.874	1.878	.437	S	*480610	48	25,80	26,00	5,00	S	*20X26X5★	32
1.983	1.987	.250	S	*473407	47	1,016	1,024	.197			
1.983	1.987	.437	S	*411385	41	25,80	26,00	5,60	S	*20X26X5.6★	32
1.983	1.987	.437	S	*451385	45	1,016	1,024	.220			
1.983	1.987	.437	S	*471385	47	26,00	26,20	4,00	S	*710249★	97
1.983	1.987	.437	S	*481385	48	1,024	1,031	.157			
2.047	2.051	.312	S	*472649	47	26,80	27,00	5,00	S	*20X27X5★	32
2.127	2.131	.250	S	*472538	47	1,055	1,063	.197			
2.374	2.378	.375	S	*472361	47	27,80	28,00	4,00	S	*20X28X4★	32
.762" SHAFT						1,094	1,102	.157			
—	—	—	S	800200	VRS1	27,80	28,00	7,00	S	*20X28X7★	32
—	—	—	V	800204	VRS1	1,094	1,102	.276			
1.160	1.164	.250	S	8750S	33	28,00	28,20	6,00	S	*20X28X6★	32
19,50mm (.768") SHAFT						1,102	1,110	.236			
34,80	35,00	6,00	S	*19.5X35X6★	32	29,80	30,00	4,50	S	*20X30X4.5★	32
1.370	1.378	.236				1,173	1,181	.177			
19,80mm (.780") SHAFT						29,80	30,00	5,50	S	*20X30X5.5★	32
29,80	30,00	5,00	S	*19.8X30X5★	32	1,173	1,181	.217			
1.173	1.181	.197				29,80	30,00	6,00	S	*20X30X6★	32
.781" (25/32") SHAFT						1,173	1,181	.236			
—	—	—	S	800200	VRS1	29,80	30,00	9,00	S	*20X30X9★	32
—	—	—	V	800204	VRS1	1,173	1,181	.354			
—	—	.313		*99080	Redi-Sleeve	29,80	30,00	10,00	S	*20X30X10★	32
1.250	1.254	.250	S	*470601	47	1,173	1,181	.394			
1.250	1.254	.250	S	*480601	48	30,00	30,20	5,00	S	*20X30X5★	35
1.250	1.254	.375	S	*471540	47	1,181	1,189	.197			
1.250	1.254	.375	V	*471540V	47	30,00	30,20	5,00	V	*20X30X5V★	35
1.375	1.379	.250	V	*481443V	48	1,181	1,189	.197			
1.375	1.379	.250	S	*471443	47	30,00	30,20	7,00	V	*20X30X7V★	35
1.375	1.379	.250	N	*471443N	47	1,181	1,189	.276			
1.375	1.379	.250	S	*481443	48	30,00	30,28	7,00	S	*222025★	32
1.375	1.379	.312	S	*451560	45	1,181	1,192	.276			
1.375	1.379	.312	N	*451560N	45	30,00	30,28	7,00	S	*20X30X7★	35
1.375	1.379	.312	S	*471560	47	1,181	1,192	.276			
1.375	1.379	.406	S	*410203	41	30,80	31,00	5,00	S	*20X31X5★	32
1.375	1.379	.406	S	*450203	45	1,212	1,220	.197			
1.375	1.379	.406	S	*470203	47	31,00	31,20	7,00	S	*20X31X7★	32
1.378	1.382	.406	S	*451031	45	1,220	1,228	.276			
1.378	1.382	.406	S	*471031	47	31,80	32,00	5,00	S	*20X32X5★	32
						1,252	1,260	.197			
						31,80	32,00	6,00	S	*20X32X6★	32
						1,252	1,260	.236			
						31,80	32,00	7,50	S	*20X32X7.5★	32
						1,252	1,260	.295			

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
20,00mm (.787") SHAFT (cont.)						20,00mm (.787") SHAFT (cont.)					
31,80	32,00	8,00	S	*20X32X8★	32	40,00	40,23	7,00	S	20X40X7★	32
1,252	1,260	.315				1,575	1,584	.276			
31,80	32,00	10,00	S	*20X32X10★	32	40,00	40,23	10,00	S	20X40X10★	35
1,252	1,260	.394				1,575	1,584	.394			
32,00	32,21	5,00	N	710450★	32	41,05	41,25	7,00	S	*20X41.25X7★	32
1,260	1,268	.197				1,616	1,624	.276			
32,00	32,23	7,00	S	222020★	35	41,80	42,00	6,00	S	*20X42X6★	32
1,260	1,269	.276				1,646	1,654	.236			
32,00	32,23	7,00	S	20X32X7★	32	41,80	42,00	8,00	S	*20X42X8★	32
1,260	1,269	.276				1,646	1,654	.315			
32,80	33,00	7,00	S	*20X33X7★	32	42,00	42,15	10,00	S	20X42X10★	45
1,291	1,299	.276				1,654	1,659	.394			
32,80	33,00	10,00	S	*20X33X10★	32	42,00	42,25	7,00	S	20X42X7★	32
1,291	1,299	.394				1,654	1,663	.276			
33,80	34,00	7,00	S	*20X34X7★	32	42,00	42,25	7,00	V	*20X42X7V★	35
1,331	1,339	.276				1,654	1,663	.276			
34,00	34,25	7,00	S	222028★	32	43,80	44,00	7,00	S	*20X44X7★	32
1,339	1,348	.276				1,724	1,732	.276			
34,80	35,00	6,00	S	*20X35X6★	32	44,80	45,00	7,00	S	*20X45X7★	32
1,370	1,378	.236				1,764	1,772	.276			
34,80	35,00	8,00	S	*20X35X8★	32	44,80	45,00	8,00	S	*20X45X8★	32
1,370	1,378	.315				1,764	1,772	.315			
34,80	35,00	10,00	S	*20X35X10★	32	44,80	45,00	10,00	S	*20X45X10★	32
1,370	1,378	.394				1,764	1,772	.394			
35,00	35,20	7,00	V	*710280★	32	44,80	45,00	12,00	S	*20X45X12★	32
1,378	1,386	.276				1,764	1,772	.472			
35,00	35,23	5,50	S	222030★	32	45,80	46,00	8,00	S	*20X46X8★	32
1,378	1,387	.217				1,803	1,811	.315			
35,00	35,23	7,00	S	20X35X7★	32	46,00	46,20	7,00	S	*20X46X7★	32
1,378	1,387	.276				1,811	1,819	.276			
35,80	36,00	8,00	S	*20X36X8★	32	46,80	47,00	6,00	S	*20X47X6★	32
1,409	1,417	.315				1,842	1,850	.236			
35,80	36,00	10,00	S	*20X36X10★	32	46,80	47,00	8,00	S	*20X47X8★	32
1,409	1,417	.394				1,842	1,850	.315			
35,80	36,00	12,00	S	*20X36X12★	32	46,80	47,00	9,00	S	*20X47X9★	32
1,409	1,417	.472				1,842	1,850	.354			
36,00	36,20	7,00	S	20X36X7★	32	46,80	47,00	10,00	S	*20X47X10★	32
1,417	1,425	.276				1,842	1,850	.394			
36,00	36,20	7,00	V	222036★	32	46,80	47,00	12,00	S	*20X47X12★	32
1,417	1,425	.276				1,842	1,850	.472			
36,80	37,00	6,00	S	*20X37X6★	32	46,80	47,00	13,00	S	*20X47X13★	32
1,449	1,457	.236				1,842	1,850	.512			
36,80	37,00	10,00	S	*20X37X10★	32	47,00	47,20	7,00	V	*20X47X7V★	35
1,449	1,457	.394				1,850	1,858	.276			
37,00	37,20	7,00	S	20X37X7★	32	47,00	47,20	7,00	S	222060★	35
1,457	1,465	.276				1,850	1,858	.276			
37,00	37,20	8,00	S	20X37X8★	32	47,00	47,20	8,50	S	710342★	32
1,457	1,465	.315				1,850	1,858	.335			
37,50	37,70	7,00	S	*20X37.7X7★	32	47,00	47,22	7,00	S	20X47X7★	32
1,476	1,484	.276				1,850	1,859	.276			
37,80	38,00	5,00	S	*20X38X5★	32	47,80	48,00	8,00	S	*20X48X8★	32
1,488	1,496	.197				1,882	1,890	.315			
37,80	38,00	8,00	S	*20X38X8★	32	47,80	48,00	10,00	S	*20X48X10★	32
1,488	1,496	.315				1,882	1,890	.394			
37,80	38,00	10,00	S	*20X38X10★	32	48,00	48,20	7,00	S	*20X48X7★	32
1,488	1,496	.394				1,890	1,898	.276			
38,00	38,20	7,00	S	20X38X7★	32	48,80	49,00	7,00	S	*20X49X7★	32
1,496	1,504	.276				1,921	1,929	.276			
38,80	39,00	6,00	S	*20X39X6★	32	49,80	50,00	8,00	S	*20X50X8★	32
1,527	1,535	.236				1,961	1,969	.315			
39,60	39,80	6,50	S	*20X39.8X6.5★	32	49,80	50,00	10,00	S	*20X50X10★	32
1,559	1,567	.256				1,961	1,969	.394			
39,80	40,00	8,00	S	*20X40X8★	32	50,00	50,20	7,00	S	*20X50X7★	32
1,567	1,575	.315				1,969	1,976	.276			
39,80	40,00	9,00	S	*20X40X9★	32	51,75	52,00	8,00	S	*20X52X8★	32
1,567	1,575	.354				2,037	2,047	.315			
39,80	40,00	12,00	S	*20X40X12★	32	51,75	52,00	9,00	S	*20X52X9★	32
1,567	1,575	.472				2,037	2,047	.354			
40,00	40,20	7,00	V	*20X40X7V★	32	51,75	52,00	10,00	S	*20X52X10★	32
1,575	1,583	.276				2,037	2,047	.394			
40,00	40,23	7,00	S	222050★	35	51,75	52,00	12,00	S	*20X52X12★	32
1,575	1,584	.276				2,037	2,047	.472			

For Illustration and Material Data See Technical Section

★ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
20,00mm (.787") SHAFT (cont.)						21,00mm (.827") SHAFT (cont.)					
52.00	52.20	7.00	S	20X52X7★	32	36.80	37.00	5.50	S	*21X37X5.5★	32
2.047	2.055	.276				1.449	1.457	.217			
.796" SHAFT						36.80	37.00	7.00	S	*21X37X7★	32
—	—	—	S	800200	VRS1	1.449	1.457	.276			
—	—	—	V	800204	VRS1	37.00	37.20	8.00	S	*21X37X8★	32
1.250	1.254	.375	S	*451470	45	1.457	1.465	.315			
1.499	1.503	.625	S	6357S	92	38.00	38.20	8.00	S	*21X38X8★	32
.812" (13/16") SHAFT						1.496	1.504	.315			
—	—	—	S	800200	VRS1	39.80	40.00	7.00	S	*21X40X7★	32
—	—	—	V	800204	VRS1	1.567	1.575	.276			
1.250	1.254	.250	S	*471539	47	40.00	40.20	8.00	S	*21X40X8★	32
1.250	1.254	.254	S	*481539	48	1.575	1.583	.315			
1.250	1.254	.375	S	8609	47	52.00	52.20	8.00	S	*21X52X8★	32
1.250	1.254	.375	S	450431	45	2.047	2.055	.315			
1.312	1.316	.250	H	*480889H	48	.843" (27/32") SHAFT					
1.367	1.372	.312	S	*252317	25	—	—	—	S	800220	VRS1
1.375	1.379	.250	S	*480673	48	—	—	—	V	800224	VRS1
1.375	1.379	.312	V	471231V	47	1.374	1.378	.312	S	*472452	47
1.375	1.379	.312	S	*471231	47	1.499	1.503	.250	S	473413	47
1.375	1.379	.406	S	*450204	45	1.624	1.628	.250	S	473414	47
1.375	1.379	.406	N	*450204N	45	1.828	1.832	.312	S	*473415	47
1.375	1.379	.406	S	470204	47	21,50mm (.846") SHAFT					
1.375	1.379	.406	S	*480204	48	34.80	35.00	8.00	S	*21.5X35X8★	32
1.375	1.381	.250	S	353131	35	1.370	1.378	.315			
1.499	1.503	.250	S	*474253	47	21,70mm (.854") SHAFT					
1.499	1.503	.312	S	*450592	45	34.80	35.00	6.50	S	*21.7X35X6.5★	32
1.499	1.503	.312	N	*450592N	45	1.370	1.378	.256			
1.499	1.503	.390	S	450030	45	.860" SHAFT					
1.499	1.503	.390	N	*450030N	45	—	—	—	S	800220	VRS1
1.499	1.503	.390	S	*480030	48	—	—	—	V	800224	VRS1
1.561	1.565	.375	S	*450515	45	—	—	.250	S	*99086	Redi-Sleeve
1.561	1.565	.375	S	470515	47	1.437	1.441	.250	N	482069N	48
1.561	1.565	.375	S	*480515	48	.864" SHAFT					
1.575	1.579	.375	S	*450588	45	—	—	—	S	800220	VRS1
1.575	1.579	.375	S	470588	47	—	—	—	V	800224	VRS1
1.624	1.628	.250	S	*471645	47	—	—	.315	S	*99085	Redi-Sleeve
1.624	1.628	.250	V	*471645V	47	1.375	1.379	.250	S	*472065	47
1.624	1.628	.437	S	*450213	45	1.375	1.379	.250	N	*472065N	47
1.624	1.628	.437	S	*480213	48	22,00mm (.866") SHAFT					
1.750	1.754	.312	S	*472650	47	—	—	—	S	800220	VRS1
1.752	1.756	.250	S	471686	47	—	—	—	V	800224	VRS1
1.752	1.756	.437	S	*450224	45	—	—	.315	S	*99085	Redi-Sleeve
1.752	1.756	.437	S	*480224	48	28.00	28.20	8.00	S	*22X28X8★	32
1.828	1.832	.375	S	473412	47	1.102	1.110	.315			
1.828	1.832	.437	S	*450035	45	29.80	30.00	7.00	S	*22X30X7★	32
1.828	1.832	.437	S	*480035	48	1.173	1.181	.276			
1.874	1.878	.250	S	471729	47	29.80	30.00	8.00	S	*22X30X8★	32
1.874	1.878	.437	S	*450591	45	1.173	1.181	.315			
1.874	1.878	.437	S	*480591	48	30.80	31.00	7.00	S	*22X31X7★	32
2.441	2.445	.375	S	*472950	47	1.212	1.220	.276			
21,00mm (.827") SHAFT						31.00	31.20	6.00	S	22X31X6★	32
—	—	—	S	800200	VRS1	1.220	1.228	.236			
—	—	—	V	800204	VRS1	31.00	31.20	8.00	S	*22X31X8★	32
30.80	31.00	7.00	S	*21X31X7★	32	1.220	1.228	.315			
1.212	1.220	.276				31.80	32.00	5.00	S	*22X32X5★	32
31.80	32.00	5.00	S	*21X32X5★	32	1.252	1.260	.197			
1.252	1.260	.197				31.80	32.00	6.00	S	*22X32X6★	32
32.80	33.00	7.00	S	*21X33X7★	32	1.252	1.260	.236			
1.291	1.299	.276									
35.00	35.20	7.00	S	21X35X7★	32						
1.378	1.386	.276									
35.00	35.20	8.00	S	21X35X8★	32						
1.378	1.386	.315									
36.00	36.20	8.00	S	*21X36X8★	32						
1.417	1.425	.315									

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
22,00mm (.866") SHAFT (cont.)						22,00mm (.866") SHAFT (cont.)					
32,00	32,20	7,00	V	*22X32X7V★	35	41,80	42,00	6,00	S	*22X42X6★	32
1,260	1,268	.276				1,646	1,654	.236			
32,00	32,23	7,00	S	222210★	35	41,80	42,00	11,00	S	*22X42X11★	32
1,260	1,269	.276				1,646	1,654	.433			
32,00	32,23	7,00	S	22X32X7★	32	42,00	42,20	7,00	S	22X42X7★	32
1,260	1,269	.276				1,654	1,661	.276			
32,80	33,00	7,00	S	*22X33X7★	32	42,00	42,20	10,00	S	22X42X10★	35
1,291	1,299	.276				1,654	1,661	.394			
32,80	33,00	10,00	S	*22X33X10★	32	43,80	44,00	7,00	S	*22X44X7★	32
1,291	1,299	.394				1,724	1,732	.276			
33,80	34,00	7,00	S	*22X34X7★	32	44,80	45,00	5,00	S	*22X45X5★	32
1,331	1,339	.276				1,764	1,772	.197			
34,80	35,00	5,00	S	*22X35X5★	32	44,80	45,00	8,00	S	*22X45X8★	32
1,370	1,378	.197				1,764	1,772	.315			
34,80	35,00	8,00	S	*22X35X8★	32	44,80	45,00	10,00	S	*22X45X10★	32
1,370	1,378	.315				1,764	1,772	.394			
34,80	35,00	9,00	S	*22X35X9★	32	45,00	45,20	8,00	H	222267★	32
1,370	1,378	.354				1,772	1,780	.315			
34,80	35,00	10,00	S	*22X35X10★	32	45,00	45,23	7,00	S	22X45X7★	35
1,370	1,378	.394				1,772	1,781	.276			
35,00	35,20	7,00	V	*22X35X7V★	35	46,00	46,20	8,00	S	*22X46X8★	32
1,378	1,386	.276				1,811	1,819	.315			
35,00	35,23	7,00	S	222220★	32	46,80	47,00	10,00	S	*22X47X10★	32
1,378	1,387	.276				1,842	1,850	.394			
35,00	35,23	7,00	S	22X35X7★	32	47,00	47,23	7,00	S	222270★	35
1,378	1,387	.276				1,850	1,859	.276			
35,80	36,00	8,00	S	*22X36X8★	32	47,00	47,23	7,00	S	22X47X7★	32
1,409	1,417	.315				1,850	1,859	.276			
35,80	36,00	10,00	S	*22X36X10★	32	47,80	48,00	7,00	S	*22X48X7★	32
1,409	1,417	.394				1,882	1,890	.276			
36,00	36,20	7,00	S	22X36X7★	32	47,80	48,00	11,00	S	*22X48X11★	32
1,417	1,425	.276				1,882	1,890	.433			
36,80	37,00	6,00	S	*22X37X6★	32	48,00	48,20	8,00	S	*22X48X8★	32
1,449	1,457	.236				1,890	1,898	.315			
37,00	37,23	7,00	S	22X37X7★	35	49,80	50,00	5,00	S	*22X50X5★	32
1,457	1,466	.276				1,961	1,969	.197			
38,00	38,20	7,00	S	22X38X7★	35	49,80	50,00	10,00	S	*22X50X10★	32
1,496	1,504	.276				1,961	1,969	.394			
38,00	38,20	7,00	V	*22X38X7V★	35	50,00	50,20	8,00	S	*22X50X8★	32
1,496	1,504	.276				1,969	1,976	.315			
38,00	38,20	8,00	S	22X38X8★	32	51,75	52,00	10,00	S	*22X52X10★	32
1,496	1,504	.315				2,037	2,047	.394			
38,00	38,20	8,00	S	222238★	32	52,00	52,20	8,00	S	*22X52X8★	32
1,496	1,504	.315				2,047	2,055	.315			
38,80	39,00	7,00	S	*22X39X7★	32	55,75	56,00	7,00	S	*22X56X7★	32
1,527	1,535	.276				2,195	2,205	.276			
39,80	40,00	4,00	S	*22X40X4★	32	.875" (7/8") SHAFT					
1,567	1,575	.157				—	—	—	S	800220	VRS1
39,80	40,00	10,00	S	*22X40X10★	32	—	—	—	V	800224	VRS1
1,567	1,575	.394				—	—	.313		99087	Redi-Sleeve
39,80	40,00	11,00	S	*22X40X11★	32	1,124	1,135	.125	S	240733	24
1,567	1,575	.433				1,187	1,191	.185	S	*442168	44
39,80	40,00	12,00	S	*22X40X12★	32	1,187	1,193	.187	S	340850	34
1,567	1,575	.472				1,245	1,256	.187	S	5976S	34
40,00	40,18	16,00	S	*1163★	#	1,249	1,254	.187	S	7840S	31
1,575	1,582	.630				1,250	1,254	.250	S	42280S	4S
40,00	40,20	7,00	V	*22X40X7V★	32	1.250	1.255	.250	S	254287	25
1,575	1,583	.276				1,250	1,255	.250	V	*254287V	25
40,00	40,20	8,00	S	22X40X8★	35	1,250	1,256	.250	S	340483	34
1,575	1,583	.315				1,254	1,260	.205	S	7014S	4S
40,00	40,23	7,00	S	22X40X7★	32	1,260	1,265	.250	V	*250861V	25
1,575	1,584	.276				1,308	1,314	.250	S	353132	35
40,00	40,23	7,00	S	222240★	35	1,308	1,316	.250	S	340413	34
1,575	1,584	.276				1,374	1,378	.406	S	470398	47
40,00	40,23	12,00	N	222242★	32	1,374	1,379	.406	S	*410398	41
1,575	1,584	.472				1,374	1,379	.406	S	*450398	45
40,00	40,34	7,75	N	1963★	35	1,375	1,379	.187	S	440131	44
1,575	1,588	.305				1,375	1,379	.250	S	*441267	44
41,05	41,25	6,00	S	*22X41.25X6★	32	1,375	1,379	.250	S	41267S	4S
1,616	1,624	.236				1.375	1.379	.250	S	471267	47
41,30	41,50	6,00	S	*22X41.5X6★	32						
1,626	1,634	.236									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ★ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
.875" (7/8") SHAFT (cont.)						.875" (7/8") SHAFT (cont.)					
1.375	1.379	.250	A	471267A	47	1.752	1.756	.312	S	*481700	48
1.375	1.379	.250	H	*471267H	47	1.752	1.756	.437	S	*450226	45
1.375	1.379	.250	T	*471267T	47	1.752	1.756	.437	S	*470226	47
1.375	1.379	.250	V	471267V	47	1.752	1.756	.437	S	*480226	48
1.375	1.379	.250	S	*481267	48	1.828	1.832	.375	S	*471137	47
1.375	1.379	.250	H	*481267H	48	1.828	1.832	.375	S	*481137	48
1.375	1.379	.250	N	*481267N	48	1.828	1.832	.437	S	*410037	41
1.375	1.379	.250	V	712015	#	1.828	1.832	.437	S	*450037	45
1.375	1.379	.312	T	38832◆	94	1.828	1.832	.437	N	*450037N	45
1.375	1.379	.312	S	*410567	41	1.828	1.832	.437	S	*470037	47
1.375	1.379	.312	S	*450567	45	1.828	1.832	.437	S	*480037	48
1.375	1.379	.312	H	*450567H	45	1.874	1.878	.250	S	*471730	47
1.375	1.379	.312	N	*450567N	45	1.874	1.878	.250	H	*481730H	48
1.375	1.379	.312	V	*450567V	45	1.874	1.878	.437	S	*410424	41
1.375	1.379	.312	S	470567	47	1.874	1.878	.437	S	*450424	45
1.375	1.379	.312	H	*470567H	47	1.874	1.878	.437	S	*470424	47
1.375	1.379	.312	N	470567N	47	1.874	1.878	.437	S	*480424	48
1.375	1.379	.312	V	*470567V	47	1.874	1.878	.437	N	*480424N	48
1.375	1.379	.312	S	*480567	48	1.983	1.987	.250	S	*481741	48
1.375	1.379	.312	N	*480567N	48	2.000	2.004	.437	S	*450645	45
1.375	1.379	.375	V	*712147	43	2.000	2.004	.437	S	470645	47
1.375	1.381	.250	S	321267	32	23,00mm (.905") SHAFT					
1.375	1.381	.250	S	351267	35	—	—	—	S	800220	VRS1
1.375	1.383	.312	S	*320567	32	—	—	—	V	800224	VRS1
1.375	1.385	.312	S	350567	35	31,80	32,00	5,50	S	710254★	34
1.436	1.441	.256	S	712270	48	1.252	1.260	.217			
1.499	1.503	.250	S	*40032S	45	32,00	32,20	5,00	S	222310★	34
1.499	1.503	.250	S	471570	47	1.260	1.268	.197			
1.499	1.503	.250	V	471570V	47	34,00	34,23	6,50	S	710155★	35
1.499	1.503	.250	S	*481570	48	1.339	1.348	.256			
1.499	1.503	.250	V	*481570V	48	34,00	34,23	8,00	N	222330★◀	32
1.499	1.503	.312	S	*410680	41	1.339	1.348	.315			
1.499	1.503	.312	N	*410680N	41	40,00	40,23	7,00	N	222340★▶	32
1.499	1.503	.312	S	*450680	45	1.575	1.584	.276			
1.499	1.503	.312	H	*450680H	45	.906" (29/32") SHAFT					
1.499	1.503	.312	V	*450680V	45	—	—	—	S	800220	VRS1
1.499	1.503	.312	S	470680	47	—	—	—	V	800224	VRS1
1.499	1.503	.312	S	*480680	48	23,00mm (.906") SHAFT					
1.499	1.503	.390	S	*410032	41	31,80	32,00	7,00	S	*23X32X7★	32
1.499	1.503	.390	S	*450032	45	1.252	1.260	.276			
1.499	1.503	.390	N	*450032N	45	34,80	35,00	7,00	S	*23X35X7★	32
1.499	1.503	.390	S	470032	47	1.370	1.378	.276			
1.499	1.503	.390	S	*480032	48	35,80	36,00	6,00	S	*23X36X6★	32
1.573	1.577	.250	N	*483011N	48	1.409	1.417	.236			
1.575	1.579	.250	S	*470877	47	35,80	36,00	7,00	S	*23X36X7★	32
1.575	1.579	.375	S	*410781	41	1.409	1.417	.276			
1.575	1.579	.375	S	*450781	45	35,80	36,00	10,00	S	*23X36X10★	32
1.575	1.581	.250	S	350877	35	1.409	1.417	.394			
1.575	1.584	.669	N	*4026	#	35,80	36,00	13,00	S	*23X36X13★	32
1.575	1.584	.669	N	*4026	#	1.409	1.417	.512			
1.575	1.750	.281	F	*6385	29	36,80	37,00	7,00	S	*23X37X7★	32
1.577	1.581	.250	S	471633	47	1.449	1.457	.276			
1.577	1.581	.250	N	*471633N	47	37,80	38,00	7,00	S	*23X38X7★	32
1.577	1.581	.250	S	*481633	48	1.488	1.496	.276			
1.624	1.628	.250	S	471646	47	.906" (29/32") SHAFT					
1.624	1.628	.250	S	*481646	48	1.499	1.503	.390	S	470207	47
1.624	1.628	.312	S	*411659	41	23,00mm (.906") SHAFT					
1.624	1.628	.312	S	*451659	45	39,80	40,00	6,00	S	*23X40X6★	32
1.624	1.628	.312	S	*471659	47	1.567	1.575	.236			
1.624	1.628	.312	S	*481659	48	39,80	40,00	10,00	S	*23X40X10★	32
1.624	1.628	.437	S	*410215	41	1.567	1.575	.394			
1.624	1.628	.437	S	*450215	45	23,00mm (.906") SHAFT					
1.624	1.628	.437	S	470215	47						
1.624	1.628	.437	S	*480215	48						
1.624	1.630	.250	S	351646	35						
1.624	1.634	.187	S	240215	24						
1.689	1.690	.250	S	*481674	48						
1.750	1.754	.312	V	*473285V	47						
1.752	1.756	.250	S	470590	47						
1.752	1.756	.250	S	*480590	48						
1.752	1.756	.312	S	*411700	41						
1.752	1.756	.312	S	*451700	45						
1.752	1.756	.312	S	*471700	47						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

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Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
.906" (29/32") SHAFT						24,00mm (.945") SHAFT (cont.)					
1.625	1.629	.312	S	*482371	48	35.00	35.23	7.00	S	222410★	35
23,00mm (.906") SHAFT						1.378	1.387	.276			
41.80	42.00	7.00	S	*23X42X7★	32	35.00	35.23	7.00	S	24X35X7★	32
1.646	1.654	.276				1.378	1.387	.276			
42.80	43.00	8.00	S	*23X43X8★	32	35.80	36.00	7.00	S	*24X36X7★	32
1.685	1.693	.315				1.409	1.417	.276			
.906" (29/32") SHAFT						35.80	36.00	8.00	S	*24X36X8★	32
1.828	1.832	.437	S	450038	45	1.409	1.417	.315			
23,00mm (.906") SHAFT						36.00	36.20	7.00	V	*24X36X7V★	35
46.80	47.00	7.00	S	*23X47X7★	32	1.417	1.425	.276			
1.842	1.850	.276				37.00	37.23	7.00	S	24X37X7★	35
46.80	47.00	8.00	S	*23X47X8★	32	1.457	1.466	.276			
1.842	1.850	.315				37.80	38.00	8.00	S	*24X38X8★	32
46.80	47.00	10.00	S	*23X47X10★	32	1.488	1.496	.315			
1.842	1.850	.394				37.80	38.00	8.50	S	*24X38X8.5★	32
.937" (15/16") SHAFT						1.488	1.496	.394			
—	—	—	S	800220	VRS1	37.80	38.00	10.00	S	*24X38X10★	32
—	—	—	V	800224	VRS1	1.488	1.496	.394			
1.375	1.379	.312	S	471015	47	38.00	38.20	7.00	S	24X38X7★	32
1.375	1.383	.250	S	340787	34	1.496	1.504	.276			
1.375	1.383	.250	N	*340787N	34	39.80	40.00	8.00	S	*24X40X8★	32
1.497	1.501	.390	S	*481047	48	1.567	1.575	.315			
1.499	1.503	.250	V	471571V	47	40.00	40.20	6.00	V	*24X40X6V★	35
1.499	1.503	.250	S	471571	47	1.575	1.583	.236			
1.499	1.503	.250	V	471571V	47	40.00	40.23	7.00	S	222430★	35
1.499	1.503	.250	S	*481571	48	1.575	1.584	.276			
1.499	1.503	.250	V	481571V	48	40.00	40.23	7.00	S	24X40X7★	32
1.499	1.503	.390	S	*450184	45	1.575	1.584	.276			
1.499	1.503	.390	S	*480184	48	42.00	42.20	7.00	S	24X42X7★	32
1.499	1.504	.312	S	*411582	41	1.654	1.661	.276			
1.499	1.504	.312	S	*451582	45	42.00	42.25	8.00	S	*24X42X8★	35
1.499	1.504	.312	S	*481582	48	1.654	1.663	.315			
1.624	1.628	.250	S	471647	47	42.00	42.25	10.00	S	24X42X10★	32
1.624	1.628	.250	S	*481647	48	1.654	1.663	.394			
1.624	1.628	.312	S	*451660	45	42.80	43.00	6.00	S	*24X43X6★	32
1.624	1.628	.312	S	*471660	47	1.685	1.693	.236			
1.624	1.628	.437	S	*450217	45	42.80	43.00	7.00	S	*24X43X7★	32
1.624	1.628	.437	V	*450217V	45	1.685	1.693	.276			
1.624	1.628	.437	S	*480217	48	43.00	43.23	8.00	S	222450★	25
1.750	1.754	.312	S	472951	47	1.693	1.702	.315			
1.752	1.756	.250	S	474252	47	44.80	45.00	6.00	S	*24X45X6★	32
1.752	1.756	.312	S	*451701	45	1.764	1.772	.236			
1.752	1.756	.437	S	*450228	45	44.80	45.00	7.00	S	*24X45X7★	32
1.752	1.756	.437	S	*480228	48	1.764	1.772	.276			
1.828	1.832	.437	S	450039	45	44.80	45.00	11.00	S	*24X45X11★	32
1.828	1.832	.437	S	470039	47	1.764	1.772	.433			
1.828	1.832	.437	S	*480039	48	45.00	45.20	8.00	S	*24X45X8★	32
1.850	1.854	.312	S	474235	47	1.772	1.780	.315			
24,00mm (.945") SHAFT						45.80	46.00	10.00	S	*24X46X10★	32
—	—	—	S	800220	VRS1	1.803	1.811	.394			
—	—	—	V	800224	VRS1	46.00	46.20	8.00	S	*24X46X8★	32
31.80	32.00	4.00	S	*24X32X4★	32	1.811	1.819	.315			
1.252	1.260	.157				46.80	47.00	10.00	S	*24X47X10★	32
31.80	32.00	7.00	S	*24X32X7★	32	1.842	1.850	.394			
1.252	1.260	.276				47.00	47.23	7.00	S	24X47X7★	32
32.80	33.00	7.00	S	*24X33X7★	32	1.850	1.859	.276			
1.291	1.299	.276				47.80	48.00	7.00	S	*24X48X7★	32
33.80	34.00	7.00	S	*24X34X7★	32	1.882	1.890	.276			
1.331	1.339	.276				48.00	48.20	8.00	S	*24X48X8★	32
34.80	35.00	6.00	S	*24X35X6★	32	1.890	1.898	.315			
1.370	1.378	.236				48.80	49.00	12.00	S	*24X49X12★	32
34.80	35.00	8.00	S	*24X35X8★	32	1.921	1.929	.472			
1.370	1.378	.315				50.00	50.20	8.00	S	*24X50X8★	32
.968" (31/32") SHAFT						1.969	1.976	.315			
—	—	—	S	800250	VRS1	52.00	52.20	7.00	S	24X52X7★	32
						2.047	2.055	.276			
						76.72	77.00	18.00	S	*24X77X18★	32
						3.020	3.031	.709			

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
.968" (31/32") SHAFT (cont.)						25,00mm (.984") SHAFT (cont.)					
-	-	-	S	800251	VRS2	34,80	35,00	10,00	S	*25X35X10★	32
-	-	-	V	800254	VRS1	1,370	1,378	.394			
-	-	.313		99094	Redi-Sleeve	35,00	35,10	7,00	V	*25X35X7V★	48
-	-	.625		99096	Redi-Sleeve	1,378	1,382	.276			
1,499	1,503	.250	L	40208	4L	35,00	35,20	6,00	S	25X35X6★	32
1,499	1,503	.250	S	*481572	48	1,378	1,386	.236			
1,499	1,503	.250	V	*481572V	48	35,00	35,25	7,00	S	25X35X7★	35
1,499	1,503	.312	V	451583V	45	1,378	1,388	.276			
1,499	1,503	.312	S	451583	45	35,00	35,25	7,00	S	222510★	35
1,499	1,503	.312	S	*481583	48	1,378	1,388	.276			
1,499	1,503	.390	S	*450208	45	35,00	35,25	7,00	V	712007★	32
1,499	1,503	.390	S	*480208	48	1,378	1,388	.276			
1,500	1,507	.187	S	6324S	34	35,80	36,00	6,00	S	*25X36X6★	32
1,575	1,579	.375	S	450545	45	1,409	1,417	.236			
1,624	1,628	.250	S	471648	47	36,00	36,23	7,00	S	25X36X7★	32
1,624	1,628	.250	S	*481648	48	1,417	1,426	.276			
1,624	1,628	.437	S	*450218	45	36,00	36,22	8,00	S	25X36X8★	32
1,624	1,628	.437	N	*450218N	45	1,417	1,426	.315			
1,686	1,690	.312	S	8059S	25	36,80	37,00	5,00	S	*25X37X5★	32
1,750	1,754	.375	S	*452582	45	1,449	1,457	.197			
1,750	1,754	.375	S	*482582	48	36,80	37,00	6,00	S	*25X37X6★	32
1,750	1,754	.437	S	*452132	45	1,449	1,457	.315			
1,752	1,756	.250	S	471688	47	37,00	37,20	5,00	V	*25X37X5V★	35
1,752	1,756	.250	S	*481688	48	1,457	1,465	.197			
1,752	1,756	.250	N	*481688N	48	37,00	37,20	7,00	S	25X37X7★	32
1,752	1,756	.312	S	*471702	47	1,457	1,465	.276			
1,752	1,756	.312	S	*481702	48	37,00	37,26	7,00	S	320603★➡	32
1,752	1,756	.437	S	*450229	45	1,457	1,467	.276			
1,828	1,832	.437	S	*410040	41	37,80	38,00	6,00	S	*25X38X6★	32
1,828	1,832	.437	S	450040	45	1,488	1,496	.236			
1,828	1,832	.437	S	*480040	48	37,80	38,00	8,00	S	*25X38X8★	32
1,850	1,854	.312	S	*482090	48	1,488	1,496	.315			
1,850	1,854	.375	S	482309	48	37,80	38,00	10,00	S	*25X38X10★	32
1,874	1,878	.437	S	451082	45	1,488	1,496	.394			
2,048	2,052	.375	S	482310	48	38,00	38,20	7,00	V	*25X38X7V★	35
2,062	2,066	.437	S	450339	45	1,496	1,504	.276			
2,062	2,066	.437	N	*450339N	45	38,00	38,23	7,00	S	25X38X7★	32
2,440	2,445	.375	S	472238	47	1,496	1,505	.276			
.975" SHAFT						38,00	38,23	7,00	S	222535★	32
-	-	-	S	800250	VRS1	1,496	1,505	.276			
-	-	-	S	800251	VRS2	1,499	1,503	.250	S	472324	47
-	-	-	V	800254	VRS1	1,499	1,503	.250	A	472324A	47
1,874	1,878	.437	S	*452573	45	1,499	1,503	.250	H	*472324H	47
25,00mm (.984") SHAFT						1,499	1,503	.250	V	472324V	47
-	-	-	S	800250	VRS1	1,499	1,504	.250	V	4458V	#
-	-	-	S	800251	VRS2	1,500	1,504	.312	S	*471171	47
-	-	-	V	800254	VRS1	1,500	1,504	.410	S	6522S	34
-	-	.313		99098	Redi-Sleeve	38,80	39,00	8,00	S	*25X39X8★	32
31,80	32,00	4,00	S	*25X32X4★	32	1,527	1,535	.315			
1,252	1,260	.157				39,80	40,00	5,00	S	*25X40X5★	32
31,80	32,00	6,00	S	*25X32X6★	32	1,567	1,575	.197			
1,252	1,260	.236				39,80	40,00	6,00	S	*25X40X6★	32
31,80	32,00	7,00	S	*25X32X7★	32	1,567	1,575	.236			
1,252	1,260	.276				39,80	40,00	8,00	S	*25X40X8★	32
32,80	33,00	6,00	S	*25X33X6★	32	1,567	1,575	.315			
1,291	1,299	.236				39,80	40,00	10,00	S	*25X40X10★	32
33,80	34,00	5,00	S	*25X34X5★	32	1,567	1,575	.394			
1,331	1,339	.197				39,80	40,00	11,00	S	*25X40X11★	32
34,80	35,00	5,00	S	*25X35X5★	32	1,567	1,575	.433			
1,370	1,378	.197				39,80	40,00	12,00	S	*25X40X12★	32
34,80	35,00	8,00	S	*25X35X8★	32	1,567	1,575	.472			
1,370	1,378	.315				40,01	40,11	9,50	V	450908V★	45
34,80	35,00	8,50	S	*25X35X8.5★	32	1,575	1,579	.374			
1,370	1,378	.335				40,00	40,10	9,50	S	*450908★	45
34,80	35,00	9,00	S	*25X35X9★	32	1,575	1,579	.374			
1,370	1,378	.354				40,00	40,22	7,00	S	25X40X7★	32
						1,575	1,583	.276			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
25,00mm (.984") SHAFT (cont.)						25,00mm (.984") SHAFT (cont.)					
40,00	40,20	7,00	V	*25X40X7V★	35	44,80	45,00	10,00	S	*25X45X10★	32
1.575	1.583	.276				1.764	1.772	.394			
40,00	40,22	7,00	S	222540★	47	44,80	45,00	11,00	S	*25X45X11★	32
1.575	1.583	.276				1.764	1.772	.433			
40,00	40,20	7,00	N	710307★	32	44,80	45,00	12,00	S	*25X45X12★	32
1.575	1.583	.276				1.764	1.772	.472			
40,00	40,20	8,00	S	710316★	32	45,00	45,23	8,00	S	25X45X8★	32
1.575	1.583	.315				1.772	1.781	.315			
40,00	40,31	8,00	S	*324151★	32	46,00	46,20	7,00	S	25X46X7★	32
1.575	1.587	.315				1.811	1.819	.276			
40,00	40,31	8,00	N	*324151N★	32	46,00	46,20	8,00	S	*25X46X8★	32
1.575	1.587	.315				1.811	1.819	.315			
40,54	40,64	6,35	S	712018★	#	1.828	1.832	.437	S	450457	45
1.596	1.600	.250				1.828	1.838	.187	S	240457	24
40,80	41,00	6,00	S	*25X41X6★	32	1.834	1.842	.250	S	*321471	32
1.606	1.614	.236				46,80	47,00	6,00	S	*25X47X6★	32
40,80	41,00	7,00	S	*25X41X7★	32	1.842	1.850	.236			
1.606	1.614	.276				46,80	47,00	8,00	S	*25X47X8★	32
41,00	41,09	8,00	T	39867★	W-H	1.842	1.850	.315			
1.614	1.618	.315				46,80	47,00	10,00	S	*25X47X10★	32
41,00	41,20	8,00	S	*25X41.2X8★	32	1.842	1.850	.394			
1.614	1.622	.315				47,00	47,10	9,50	S	*482583★	48
41,05	41,25	6,00	S	*25X41.25X6★	32	1.850	1.854	.374			
1.616	1.624	.236				47,00	47,20	10,00	V	*25X47X10V★	35
41,05	41,25	7,00	S	*25X41.25X7★	32	1.850	1.858	.394			
1.616	1.624	.276				47,00	47,23	7,00	S	25X47X7★	32
41,25	41,35	11,10	S	*450811★	45	1.850	1.859	.276			
1.624	1.628	.437				47,80	48,00	7,00	S	*25X48X7★	32
41,30	41,50	7,00	S	*25X41.5X7★	32	1.882	1.890	.276			
1.626	1.634	.276				47,80	48,00	10,00	S	*25X48X10★	32
41,30	41,50	10,00	S	*25X41.5X10★	32	1.882	1.890	.394			
1.626	1.634	.394				48,00	48,20	8,00	S	25X48X8★	32
41,80	42,00	5,50	S	*25X42X5.5★	32	1.890	1.898	.315			
1.646	1.654	.217				48,80	49,00	10,00	S	*25X49X10★	32
41,80	42,00	7,00	S	*25X42X7★	32	1.921	1.929	.394			
1.646	1.654	.276				49,80	50,00	12,00	S	*25X50X12★	32
41,80	42,00	8,50	S	*25X42X8.5★	32	1.961	1.969	.472			
1.646	1.654	.335				50,00	50,20	8,00	S	25X50X8★	32
41,80	42,00	12,00	S	*25X42X12★	32	1.969	1.976	.315			
1.646	1.654	.472				50,00	50,20	10,00	V	*25X50X10V★	35
42,00	42,20	6,00	S	25X42X6★	32	1.969	1.976	.394			
1.654	1.661	.236				50,00	50,28	10,00	S	25X50X10★	35
42,00	42,20	7,00	V	*25X42X7V★	32	1.969	1.980	.394			
1.654	1.661	.276				51,75	52,00	9,50	S	*25X52X9.5★	32
42,00	42,20	8,00	S	25X42X8★	32	2.037	2.047	.374			
1.654	1.661	.315				51,75	52,00	12,00	S	*25X52X12★	32
42,00	42,30	8,00	H	222556★	32	2.037	2.047	.472			
1.654	1.665	.315				52,00	52,10	7,90	S	*472184★	47
42,00	42,28	10,00	S	25X42X10★	35	2.047	2.051	.311			
1.654	1.665	.394				52,00	52,20	7,00	V	*25X52X7V★	35
42,70	42,90	9,50	S	*25X42.9X9.5★	32	2.047	2.055	.276			
1.681	1.689	.374				52,00	52,20	8,00	S	25X52X8★	35
42,80	43,00	7,00	S	*25X43X7★	32	2.047	2.055	.315			
1.685	1.693	.276				52,00	52,20	10,00	S	25X52X10★	35
42,80	43,00	9,00	S	*25X43X9★	32	2.047	2.055	.394			
1.685	1.693	.354				52,00	52,27	7,00	S	25X52X7★	32
42,80	43,00	10,00	S	*25X43X10★	32	2.047	2.058	.276			
1.685	1.693	.394				52,37	52,48	11,10	S	450693★	45
43,80	44,00	7,00	S	*25X44X7★	32	2.062	2.066	.437			
1.724	1.732	.276				52,75	53,00	10,00	S	*25X53X10★	32
43,80	44,00	8,00	S	*25X44X8★	32	2.077	2.087	.394			
1.724	1.732	.315				54,00	54,20	8,00	S	*25X54X8★	32
44,00	44,20	7,00	S	222558★	32	2.126	2.134	.315			
1.732	1.740	.276				54,75	55,00	10,00	S	*25X55X10★	32
44,25	44,45	10,00	S	*25X44.45X10★	32	2.155	2.165	.394			
1.742	1.750	.394				54,75	55,00	12,00	S	*25X55X12★	32
1.749	1.753	.375	V	*483027V	48	2.155	2.165	.472			
1.752	1.756	.313	V	712012	#	55,00	55,20	8,00	S	*25X55X8★	32
44,80	45,00	7,00	S	*25X45X7★	32	2.165	2.173	.315			
1.764	1.772	.276				56,00	56,20	8,00	S	*25X56X8★	32
44,80	45,00	9,00	S	*25X45X9★	32	2.205	2.213	.315			
1.764	1.772	.354									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ★ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
25.00mm (.984") SHAFT (cont.)						1.000" SHAFT (cont.)					
57.75	58.00	10.00	S	*25X58X10★	32	1.499	1.503	.312	H	*480553H	48
2.273	2.283	.394				1.499	1.503	.390	S	*9277	48
58.00	58.20	8.00	S	*25X58X8★	32	1.499	1.503	.390	S	*410120	41
2.283	2.291	.315				1.499	1.503	.390	N	*410120N	41
59.75	60.00	10.00	S	*25X60X10★	32	1.499	1.503	.390	S	*450120	45
2.352	2.362	.394				1.499	1.503	.390	H	*450120H	45
60.00	60.20	8.00	S	*25X60X8★	32	1.499	1.503	.390	S	470120	47
2.362	2.370	.315				1.499	1.503	.390	N	*470120N	47
61.75	62.00	8.00	S	*25X62X8★	32	1.499	1.503	.390	S	*480120	48
2.431	2.441	.315				1.499	1.507	.250	S	340120	34
62.00	62.20	7.00	S	25X62X7★	32	1.502	1.510	.312	S	350909	35
2.441	2.449	.276				1.561	1.565	.250	V	471270V	47
62.00	62.20	7.00	V	*25X62X7V★	35	1.561 1.565	.250 S	471270	47		
2.441	2.449	.276				1.561	1.565	.375	S	*410449	41
62.00	62.28	10.00	S	25X62X10★	32	1.561	1.565	.375	S	*450449	45
2.441	2.452	.394				1.561	1.565	.375	S	*470449	47
62.00	62.28	10.00	S	222580★	32	1.561	1.565	.375	S	*480449	48
2.441	2.452	.394				1.561	1.566	.375	N	*480449N	48
64.75	65.00	10.00	S	*25X65X10★	32	1.563	1.569	.187	S	343123	34
2.549	2.559	.394				1.575 1.579	.250 S	473380	47		
65.75	66.00	8.50	S	*25X66X8.5★	32	1.575	1.579	.312	S	*471618	47
2.588	2.598	.335				1.575	1.579	.375	S	*410818	41
69.75	70.00	10.00	S	*25X70X10★	32	1.575	1.579	.375	S	*450818	45
2.746	2.756	.394				1.624 1.628	.250 S	471649	47		
71.75	72.00	8.00	S	*25X72X8★	32	1.624	1.628	.250	A	471649A	47
2.825	2.835	.315				1.624 1.628	.250 V	471649V	47		
79.72	80.00	10.00	S	*25X80X10★	32	1.624	1.628	.250	S	*481649	48
3.139	3.150	.394				1.624	1.628	.250	N	*481649N	48
1.000" SHAFT						1.624	1.628	.312	S	*411662	41
-	-	-	S	800250	VRS1	1.624	1.628	.312	S	*451662	45
-	-	-	S	800251	VRS2	1.624	1.628	.312	S	*471662	47
-	-	-	V	800254	VRS1	1.624	1.628	.312	S	*481662	48
-	-	.313		99101	Redi-Sleeve	1.624	1.628	.312	H	*481662H	48
1.247	1.253	.187	S	343098	34	1.624	1.628	.437	S	*410219	41
1.250	1.254	.536	S	6847S	#	1.624	1.628	.437	N	*410219N	41
1.250	1.260	.125	S	240731	24	1.624	1.628	.437	S	*450219	45
1.312	1.318	.125	S	342517	34	1.624	1.628	.437	H	*450219H	45
1.322	1.328	.210	S	710059	48	1.624	1.628	.437	N	*450219N	45
1.375	1.379	.187	S	441130	44	1.624	1.628	.437	S	470219	47
1.375	1.379	.187	N	*441130N	44	1.624	1.628	.437	N	*470219N	47
1.375 1.379	.250 S	*252277	25			1.624	1.628	.437	S	*480219	48
1.375	1.379	.250	V	*252277V	25	1.625	1.629	.375	S	*481239	48
1.375	1.379	.250	S	712026	#	1.686 1.690	.250 S	474250	47		
1.437	1.441	.250	T	39910	W	1.689	1.693	.250	S	*41465S	4S
1.437	1.441	.250	S	42311S	4S	1.689	1.693	.250	S	471465	47
1.437	1.441	.250	S	330414	33	1.752	1.756	.250	S	40230S	4S
1.437	1.441	.250	N	*330414N	33	1.752 1.756	.250 S	471689	47		
1.437 1.441	.250 S	*472311	47			1.752	1.756	.250	A	471689A	47
1.437 1.441	.250 V	*472311V	47			1.752 1.756	.250 V	471689V	47		
1.437	1.445	.250	S	350414	35	1.752	1.756	.250	S	*481689	48
1.437	1.447	.187	S	240414	24	1.752	1.756	.250	N	*481689N	48
1.499	1.503	.250	L	*40120	4L	1.752	1.756	.312	S	*411703	41
1.499	1.503	.250	S	41224S	4S	1.752	1.756	.312	N	*411703N	41
1.499	1.503	.250	S	*451224	45	1.752	1.756	.312	S	*451703	45
1.499 1.503	.250 S	*471224	47			1.752	1.756	.312	S	*471703	47
1.499	1.503	.250	A	471224A	47	1.752	1.756	.312	S	*481703	48
1.499	1.503	.250	N	*471224N	47	1.752	1.756	.313	S	712013	#
1.499 1.503	.250 V	*471224V	47			1.752	1.756	.375	S	*450541	45
1.499	1.503	.250	S	*481224	48	1.752	1.756	.375	S	470541	47
1.499	1.503	.250	H	*481224H	48	1.752	1.756	.375	N	*470541N	47
1.499	1.503	.250	V	481224V	48	1.752	1.756	.375	S	*480541	48
1.499	1.503	.250	S	712016	#	1.752	1.756	.437	S	*410230	41
1.499	1.503	.312	F	5857	29	1.752	1.756	.437	S	*450230	45
1.499	1.503	.312	S	*410553	41	1.752	1.756	.437	N	*450230N	45
1.499	1.503	.312	S	*450553	45	1.752	1.756	.437	S	470230	47
1.499	1.503	.312	H	*450553H	45	1.752	1.756	.437	H	*470230H	47
1.499	1.503	.312	S	470553	47	1.752	1.756	.437	S	*480230	48
1.499	1.503	.312	H	*470553H	47	1.780	1.785	.468	S	203005	203
1.499	1.503	.312	N	*470553N	47	1.780	1.785	.468	S	204005	204
1.499	1.503	.312	S	*480553	48	1.828 1.832	.296 S	450593	45		

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◀▶ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.000" SHAFT (cont.)						26,00mm (1.024") SHAFT (cont.)					
1.828	1.832	.296	S	470593	47	35,80	36,00	5,00	S	*26X36X5★	32
1.828	1.832	.375	S	*452336	45	1.409	1.417	.197			
1.828	1.832	.375	S	*482336	48	35,80	36,00	7,00	S	*26X36X7★	32
1.828	1.832	.437	S	*50041S	5S	1.409	1.417	.276			
1.828	1.832	.437	S	*410041	41	36,80	37,00	8,00	S	*26X37X8★	32
1.828	1.832	.437	S	*450041	45	1.449	1.457	.315			
1.828	1.832	.437	N	*450041N	45	37,00	37,20	7,00	S	26X37X7★	32
1.828	1.832	.437	S	470041	47	1.457	1.465	.276			
1.828	1.832	.437	S	*480041	48	37,80	38,00	7,00	S	*26X38X7★	32
1.874	1.878	.250	S	471733	47	1.488	1.496	.276			
1.874	1.878	.250	N	*471733N	47	37,80	38,00	8,00	S	*26X38X8★	32
1.874	1.878	.250	S	*481733	48	1.488	1.496	.315			
1.874	1.878	.375	S	*482522	48	38,00	38,20	5,00	S	26X38X5★	32
1.874	1.878	.437	S	*410233	41	1.496	1.504	.197			
1.874	1.878	.437	S	*450233	45	38,00	38,20	8,00	N	222630★	32
1.874	1.878	.437	S	*470233	47	1.496	1.504	.315			
1.874	1.878	.437	S	*480233	48	39,80	40,00	8,00	S	*26X40X8★	32
1.936	1.948	.187	S	240462	24	1.567	1.575	.315			
1.936	1.948	.187	N	*240462N	24	39,80	40,00	10,00	S	*26X40X10★	32
1.983	1.987	.250	S	471744	47	1.567	1.575	.394			
1.983	1.987	.437	S	*450549	45	40,00	40,20	7,00	S	26X40X7★	32
2.000	2.004	.250	S	40157S	4S	1.575	1.583	.276			
2.000	2.004	.250	S	471760	47	41,10	41,30	10,00	S	*26X41.3X10★	32
2.000	2.004	.250	A	471760A	47	1.618	1.626	.394			
2.000	2.004	.250	V	471760V	47	41,80	42,00	8,00	S	*26X42X8★	32
2.000	2.004	.250	S	*481760	48	1.646	1.654	.315			
2.000	2.004	.312	S	*452997	45	42,00	42,20	7,00	S	26X42X7★	32
2.000	2.004	.375	S	*471770	47	1.654	1.661	.276			
2.000	2.004	.375	S	*481770	48	42,00	42,20	8,00	S	710399★➡	32
2.000	2.004	.437	S	*410157	41	1.654	1.661	.315			
2.000	2.004	.437	S	*450157	45	42,00	42,23	10,00	S	26X42X10★	32
2.000	2.004	.437	S	*470157	47	1.654	1.663	.394			
2.000	2.004	.437	S	*480157	48	42,80	43,00	8,00	S	*26X43X8★	32
2.000	2.004	.500	S	*484211	48	1.685	1.693	.315			
2.047	2.051	.312	S	472138	47	43,80	44,00	7,00	S	*26X44X7★	32
2.047	2.051	.312	N	*472138N	47	1.724	1.732	.276			
2.062	2.066	.250	S	471619	47	44,00	44,20	8,00	S	710153★	#
2.062	2.066	.375	S	453165	45	1.732	1.740	.315			
2.062	2.066	.437	S	*410187	41	44,80	45,00	7,00	S	*26X45X7★	32
2.062	2.066	.437	S	*450187	45	1.764	1.772	.276			
2.062	2.066	.437	S	*470187	47	44,80	45,00	10,00	S	*26X45X10★	32
2.062	2.066	.437	S	*480187	48	1.764	1.772	.394			
2.106	2.110	.468	S	*291190	29	45,00	45,20	8,00	S	*26X45X8★	32
2.441	2.445	.375	S	471516	47	1.772	1.780	.315			
2.441	2.447	.375	S	321516	32	46,00	46,20	8,00	S	*26X46X8★	32
2.533	2.537	.250	S	472539	47	1.811	1.819	.315			
2.812	2.817	1.156	N	*6855N	1S	46,80	47,00	6,00	S	*26X47X6★	32
2.875	2.879	.468	S	*3126	41	1.842	1.850	.236			
2.875	2.879	.468	S	*452744	45	46,80	47,00	8,00	S	*26X47X8★	32
25,50mm (1.004") SHAFT						1.842	1.850	.315			
—	—	—	S	800250	VRS1	46,80	47,00	10,00	S	*26X47X10★	32
—	—	—	S	800251	VRS2	1.842	1.850	.394			
—	—	—	V	800254	VRS1	46,80	47,00	11,00	S	*26X47X11★	32
38,50	38,70	8,50	S	710303★	35	1.842	1.850	.433			
1.516	1.524	.335				46,80	47,00	12,00	S	*26X47X12★	32
25,70mm (1.012") SHAFT						1.842	1.850	.472			
34,80	35,00	7,00	S	*25.7X35X7★	32	47,00	47,23	7,00	S	26X47X7★	32
1.370	1.378	.276				1.850	1.859	.276			
26,00mm (1.024") SHAFT						47,80	48,00	8,00	S	*26X48X8★	32
—	—	—	S	800250	VRS1	1.882	1.890	.315			
—	—	—	S	800251	VRS2	48,00	48,23	7,00	S	26X48X7★	32
—	—	—	V	800254	VRS1	1.890	1.899	.276			
—	—	.313		99103	Redi-Sleeve	48,00	48,23	7,00	S	222655★	32
34,80	35,00	7,00	S	*26X35X7★	32	1.890	1.899	.276			
1.370	1.378	.276				49,80	50,00	7,00	S	*26X50X7★	32
						1.961	1.969	.276			
						49,80	50,00	10,00	S	*26X50X10★	32
						1.961	1.969	.394			
						50,00	50,20	8,00	S	*26X50X8★	32
						1.969	1.976	.315			
						51,75	52,00	7,00	S	*26X52X7★	32
						2.037	2.047	.276			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
26,00mm (1.024") SHAFT (cont.)						1.062" (1-1/16") SHAFT (cont.)					
52.00	52.20	8.00	S	26X52X8★	32	1.686	1.690	.375	S	470606	47
2.047	2.055	.315				1.689	1.693	.250	S	*481677	48
61.75	62.00	9.00	S	*26X62X9★	32	1.750	1.754	.375	S	*471001	47
2.431	2.441	.354				1.752	1.756	.312	S	*451705	45
71.75	72.00	10.00	S	*26X72X10★	32	1.752	1.756	.312	S	471705	47
2.825	2.835	.394				1.752	1.756	.375	S	*451718	45
1.031" (1-1/32") SHAFT						1.752	1.756	.375	S	*471718	47
-	-	-	S	800250	VRS1	1.752	1.756	.375	S	*481718	48
-	-	-	S	800251	VRS2	1.752	1.756	.375	S	*450232	45
-	-	-	V	800254	VRS1	1.752	1.756	.437	S	*480232	48
1.499	1.503	.390	L	50209	5L	1.828	1.832	.375	S	*452584	45
1.575	1.579	.312	V	471076V	47	1.828	1.832	.375	S	473419	47
1.575	1.579	.312	S	471076	47	1.828	1.832	.375	V	*482584V	48
1.575	1.579	.312	V	471076V	47	1.828	1.832	.437	S	450043	45
1.575	1.579	.312	S	*481076	48	1.828	1.832	.437	S	*480043	48
1.624	1.628	.250	S	481650	48	1.874	1.878	.250	S	471735	47
1.624	1.628	.437	S	*450220	45	1.874	1.878	.250	H	*471735H	47
1.037" SHAFT						1.874	1.878	.375	S	*473378	47
-	-	-	S	800250	VRS1	1.874	1.878	.437	S	*450127	45
-	-	-	S	800251	VRS2	1.874	1.878	.437	H	*450127H	45
-	-	-	V	800254	VRS1	1.874	1.878	.437	S	*480127	48
1.575	1.579	.333	S	*4346➔	#	1.874	1.878	.437	N	*480127N	48
1.040" SHAFT						1.938	1.942	.625	F	*205011	205
-	-	-	S	800250	VRS1	1.983	1.987	.437	S	450342	45
-	-	-	S	800251	VRS2	1.983	1.987	.437	N	*450342N	45
-	-	-	V	800254	VRS1	1.983	1.987	.437	S	470342	47
1.811	1.815	.280	S	*484132	48	1.983	1.987	.437	S	*480342	48
1.044" SHAFT						2.000	2.004	.250	S	471762	47
-	-	-	S	800250	VRS1	2.000	2.004	.375	S	*451772	45
-	-	-	S	800251	VRS2	2.000	2.004	.375	S	471772	47
-	-	-	V	800254	VRS1	2.000	2.004	.375	S	*481772	48
1.811	1.815	.280	S	*484132	48	2.000	2.004	.437	S	*450158	45
1.047" SHAFT						2.000	2.004	.437	S	*480158	48
.000	1.713	.275	V	710511	32	2.062	2.066	.375	S	473420	47
1.047" SHAFT						2.062	2.066	.437	S	*450628	45
-	-	-	S	800250	VRS1	2.062	2.066	.437	S	*480628	48
-	-	-	S	800251	VRS2	2.750	2.754	.437	S	*204084	204
-	-	-	V	800254	VRS1	2.835	2.839	.375	S	472953	47
1.811	1.815	.285	S	710053	48	2.835	2.839	.375	V	472953V	47
1.055" SHAFT						27,00mm (1.063") SHAFT					
-	-	-	S	800250	VRS1	-	-	-	S	800250	VRS1
-	-	-	S	800251	VRS2	-	-	-	S	800251	VRS2
-	-	-	V	800254	VRS1	-	-	-	V	800254	VRS1
1.500	1.504	.268	S	9376	68	-	-	.313		99106	Redi-Sleeve
1.062" (1-1/16") SHAFT						35.80	36.00	6.00	S	*27X36X6★	32
-	-	-	S	800250	VRS1	1.409	1.417	.236			
-	-	-	S	800251	VRS2	36.80	37.00	8.50	S	*27X37X8.5★	32
-	-	-	V	800254	VRS1	1.449	1.457	.335			
.313	.313	.313	S	99106	Redi-Sleeve	37.00	37.15	7.00	S	27X37X7★	35
1.499	1.503	.312	S	480210	48	1.457	1.463	.276			
1.499	1.503	.312	H	*480210H	48	37.00	37.20	7.00	V	*27X37X7V★	35
1.499	1.503	.390	S	*450210	45	1.457	1.465	.276			
1.499	1.507	.250	S	340210	34	37.80	38.00	5.00	S	*27X38X5★	32
1.561	1.565	.375	S	450188	45	1.488	1.496	.197			
1.561	1.565	.375	S	*480188	48	37.80	38.00	6.00	S	*27X38X6★	32
1.575	1.579	.312	S	*481343	48	1.488	1.496	.236			
1.575	1.581	.250	S	3732S➔	48	39.80	40.00	6.00	S	*27X40X6★	32
1.624	1.628	.250	S	471651	47	1.567	1.575	.236			
1.624	1.628	.250	S	*481651	48	39.80	40.00	7.00	S	*27X40X7★	32
1.624	1.628	.312	S	*451664	45	1.567	1.575	.276			
1.624	1.628	.312	N	*451664N	45	39.80	40.00	8.00	S	*27X40X8★	32
1.624	1.628	.437	S	*450221	45	1.567	1.575	.315			
1.624	1.628	.437	S	*480221	48	39.80	40.00	10.00	S	*27X40X10★	32
1.686	1.690	.375	L	*50606	5L	1.567	1.575	.394			
						39.80	40.00	12.00	S	*27X40X12★	32
						1.567	1.575	.472			
						40.00	40.20	8.00	V	712009★	32
						1.575	1.583	.315			

For Illustration and Material Data See Technical Section

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Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
27,00mm (1.063") SHAFT (cont.)						28,00mm (1.102") SHAFT (cont.)					
41,00	41,10	9,50	S	*1193★	#	34,80	35,00	5,00	S	*28X35X5★	32
1.614	1.618	.374				1.370	1.378	.197			
41,80	42,00	5,00	S	*27X42X5★	32	34,80	35,00	7,00	S	*28X35X7★	32
1.646	1.654	.197				1.370	1.378	.276			
41,80	42,00	8,00	S	*27X42X8★	32	34,80	35,00	10,00	S	*28X35X10★	32
1.646	1.654	.315				1.370	1.378	.394			
42,00	42,10	7,00	V	222742★	48	35,80	36,00	7,00	S	*28X36X7★	32
1.654	1.657	.276				1.409	1.417	.276			
42,00	42,20	7,00	S	27X42X7★	35	37,80	38,00	5,00	S	*28X38X5★	32
1.654	1.661	.276				1.488	1.496	.197			
42,00	42,23	10,00	S	27X42X10★	35	37,80	38,00	8,00	S	*28X38X8★	32
1.654	1.663	.394				1.488	1.496	.315			
42,80	43,00	9,00	S	*27X43X9★	32	38,00	38,20	10,00	S	710347★◄	32
1.685	1.693	.354				1.496	1.504	.394			
43,00	43,20	8,00	S	27X43X8★	32	38,00	38,23	7,00	S	28X38X7★	32
1.693	1.701	.315				1.496	1.505	.276			
43,00	43,20	9,00	H	222743★◄	32	38,00	38,25	7,00	T	712104★►	PDW
1.693	1.701	.354				1.496	1.506	.276			
43,00	43,25	9,00	N	1990★►	32	39,80	40,00	9,00	S	*28X40X9★	32
1.693	1.703	.354				1.567	1.575	.354			
45,00	45,25	8,00	S	27X45X8★	35	39,80	40,00	10,00	S	*28X40X10★	32
1.772	1.781	.315				1.567	1.575	.394			
45,00	45,25	9,00	N	222745★►	32	40,00	40,20	7,00	V	*28X40X7V★	35
1.772	1.781	.354				1.575	1.583	.276			
46,00	46,20	8,00	S	*27X46X8★	32	40,00	40,20	7,00	S	710325★►	32
1.811	1.819	.315				1.575	1.583	.276			
46,80	47,00	7,00	S	*27X47X7★	32	40,00	40,20	8,00	S	28X40X8★	32
1.842	1.850	.276				1.575	1.583	.315			
47,00	47,23	8,00	S	*27X47X8★	35	40,00	40,26	7,00	S	28X40X7★	32
1.850	1.859	.315				1.575	1.585	.276			
47,00	47,23	10,00	S	27X47X10★	35	40,00	40,31	7,00	S	*1107★	33
1.850	1.859	.394				1.575	1.587	.276			
48,00	48,20	8,00	S	*27X48X8★	32	40,00	40,34	7,00	S	222820★	33
1.890	1.898	.315				1.575	1.588	.276			
49,80	50,00	10,00	S	*27X50X10★	32	41,00	41,10	8,00	T	39869★►	#
1.961	1.969	.394				1.614	1.618	.315			
50,00	50,20	8,00	S	*27X50X8★	32	41,00	41,27	7,00	N	222830★◄	32
1.969	1.976	.315				1.614	1.625	.276			
52,00	52,20	8,00	S	27X52X8★	35	41,05	41,25	6,00	S	*28X41.25X6★	32
2.047	2.055	.315				1.616	1.624	.236			
52,75	53,00	7,00	S	*27X53X7★	32	41,30	41,50	8,00	S	*28X41.5X8★	32
2.077	2.087	.276				1.626	1.634	.315			
27,60mm (1.087") SHAFT						41,80	42,00	6,00	S	*28X42X6★	32
39,80	40,00	5,50	S	*27.6X40X5.5★	32	1.646	1.654	.236			
1.567	1.575	.217				41,80	42,00	7,00	S	*28X42X7★	32
1.093" (1-3/32") SHAFT						1.646	1.654	.276			
-	-	-	S	800280	VRS1	41,80	42,00	10,00	S	*28X42X10★	32
-	-	-	V	800284	VRS1	1.646	1.654	.394			
1.625	1.628	.312	S	*482454	48	42,00	42,20	8,00	H	712008★	32
1.828	1.832	.437	S	450044	45	1.654	1.661	.315			
1.874	1.878	.437	H	*480235H	48	42,00	42,23	8,00	S	28X42X8★	35
1.874	1.878	.437	V	*480235V	48	1.654	1.663	.315			
2.000	2.004	.437	S	450159	45	42,30	42,50	8,00	S	*28X42.5X8★	32
1.100" SHAFT						1.665	1.673	.315			
-	-	-	S	800280	VRS1	42,50	42,72	8,00	S	710216★	35
-	-	-	V	800284	VRS1	1.673	1.682	.315			
-	-	.375		99111	Redi-Sleeve	42,80	43,00	6,00	S	*28X43X6★	32
1.572	1.578	.308	N	2503►	48	1.685	1.693	.236			
1.572	1.578	.308	N	2503N►	48	42,80	43,00	10,00	S	*28X43X10★	32
28,00mm (1.102") SHAFT						1.685	1.693	.394			
-	-	-	S	800280	VRS1	43,00	43,23	7,00	S	710157★►	32
-	-	-	V	800284	VRS1	1.693	1.702	.276			
-	-	.375		99111	Redi-Sleeve	43,00	43,23	8,00	N	710119★	32
1.572	1.578	.308	N	2503►	48	1.693	1.702	.315			
1.572	1.578	.308	N	2503N►	48	43,80	44,00	7,00	S	*28X44X7★	32
28,00mm (1.102") SHAFT						1.724	1.732	.276			
-	-	-	S	800280	VRS1	43,80	44,00	8,00	S	*28X44X8★	32
-	-	-	V	800284	VRS1	1.724	1.732	.315			
-	-	.375		99111	Redi-Sleeve	44,00	44,20	6,00	N	222835★	32
1.572	1.578	.308	N	2503►	48	1.732	1.740	.236			
1.572	1.578	.308	N	2503N►	48						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ► Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
28,00mm (1.102") SHAFT (cont.)						1.125" (1-1/8") SHAFT (cont.)					
44,00	44,23	6,00	N	28X44X6★	32	—	—	—	V	800284	VRS1
1.732	1.741	.236				—	—	.313		99112	Redi-Sleeve
44,80	45,00	7,00	S	*28X45X7★	32	1.375	1.381	.125	S	340835	34
1.764	1.772	.276				1.438	1.444	.215	S	313842	31
44,80	45,00	8,70	S	*28X45X8.7★	32	1.494	1.505	.250	S	340815	34
1.764	1.772	.343				1.500	1.504	.250	S	1037	35
44,80	45,00	10,00	S	*28X45X10★	32	1.502	1.506	.250	S	312140	31
1.764	1.772	.394				1.561	1.565	.250	N	472560N	47
45,00	45,20	7,00	V	*28X45X7V★	35	1.561	1.565	.250	V	*472560V	47
1.772	1.780	.276				1.561	1.565	.375	S	50151S	5S
45,00	45,20	8,00	S	28X45X8★	32	1.561	1.567	.250	S	352560	35
1.772	1.780	.315				1.561	1.569	.250	S	340151	34
46,00	46,20	8,00	S	*28X46X8★	32	1.561	1.572	.187	S	240151	24
1.811	1.819	.315				1.562	1.566	.220	S	7941	44
46,80	47,00	6,00	S	*28X47X6★	32	1.563	1.583	.375	S	*712140	35
1.842	1.850	.236				1.564	1.568	.250	S	43072S	4S
46,80	47,00	9,00	S	*28X47X9★	32	1.624	1.628	.190	N	3638◆	48
1.842	1.850	.354				1.624	1.628	.245	S	482208	48
46,80	47,00	10,00	S	*28X47X10★	32	1.624	1.628	.250	S	471652	47
1.842	1.850	.394				1.624	1.628	.250	A	471652A	47
46,89	47,00	8,00	S	*333860★	33	1.624	1.628	.250	H	*471652H	47
1.846	1.850	.315				1.624	1.628	.250	N	*471652N	47
47,00	47,20	7,00	V	*28X47X7V★	35	1.624	1.628	.250	V	471652V	47
1.850	1.858	.276				1.624	1.628	.250	S	*481652	48
47,00	47,22	7,00	S	28X47X7★	32	1.624	1.628	.250	N	*481652N	48
1.850	1.859	.276				1.624	1.628	.250	V	481652V	48
47,00	47,22	8,00	S	*28X47X8★	33	1.624	1.628	.312	S	*411100	41
1.850	1.859	.315				1.624	1.628	.312	N	*411100N	41
47,00	47,22	8,00	N	222860★◆	32	1.624	1.628	.312	S	*451100	45
1.850	1.859	.315				1.624	1.628	.312	H	*451100H	45
47,80	48,00	7,00	S	*28X48X7★	32	1.624	1.628	.312	N	*451100N	45
1.882	1.890	.276				1.624	1.628	.312	S	471100	47
47,80	48,00	11,00	S	*28X48X11★	32	1.624	1.628	.312	N	*471100N	47
1.882	1.890	.433				1.624	1.628	.312	S	*481100	48
48,00	48,20	8,00	S	28X48X8★	32	1.624	1.628	.437	S	*410381	41
1.890	1.898	.315				1.624	1.628	.437	S	*450381	45
49,80	50,00	10,00	S	*28X50X10★	32	1.624	1.628	.437	S	*470381	47
1.961	1.969	.394				1.624	1.628	.437	S	*480381	48
50,00	50,20	8,00	S	*28X50X8★	32	1.630	1.634	.313	S	710181	#
1.969	1.976	.315				1.630	1.634	.313	S	710285	#
50,75	51,00	10,00	S	*28X51X10★	32	1.689	1.693	.250	S	*481678	48
1.998	2.008	.394				1.752	1.756	.250	V	471692V	47
51,75	52,00	6,00	S	*28X52X6★	32	1.752	1.756	.250	S	471692	47
2.037	2.047	.236				1.752	1.756	.250	A	471692A	47
51,75	52,00	8,00	S	*28X52X8★	32	1.752	1.756	.250	N	*471692N	47
2.037	2.047	.315				1.752	1.756	.250	S	*481692	48
51,75	52,00	10,00	S	*28X52X10★	32	1.752	1.756	.312	S	*411706	41
2.037	2.047	.394				1.752	1.756	.312	S	*451706	45
52,00	52,20	7,00	V	*28X52X7V★	32	1.752	1.756	.312	S	*471706	47
2.047	2.055	.276				1.752	1.756	.312	N	*471706N	47
52,00	52,23	7,00	S	28X52X7★	32	1.752	1.756	.312	S	*481706	48
2.047	2.056	.276				1.752	1.756	.375	S	*451133	45
2.087	2.091	.378	S	710433	#	1.752	1.756	.375	S	*471133	47
55,75	56,00	6,00	S	*28X56X6★	32	1.752	1.756	.375	S	*481133	48
2.195	2.205	.236				1.752	1.756	.437	S	*410189	41
55,75	56,00	7,00	S	*28X56X7★	32	1.752	1.756	.437	S	*450189	45
2.195	2.205	.276				1.752	1.756	.437	H	*450189H	45
57,75	58,00	6,00	S	*28X58X6★	32	1.752	1.756	.437	S	470189	47
2.273	2.283	.236				1.752	1.756	.437	H	470189H	47
57,75	58,00	10,00	S	*28X58X10★	32	1.752	1.756	.437	N	*470189N	47
2.273	2.283	.394				1.752	1.756	.437	S	*480189	48
61,75	62,00	10,00	S	*28X62X10★	32	1.752	1.756	.437	H	*480189H	48
2.431	2.441	.394				1.780	1.785	.250	S	204505	204
28,50mm (1.122") SHAFT						1.780	1.785	.468	S	203020	203
39,30	39,50	9,50	S	*28.5X39.5X9.5★	32	1.780	1.785	.468	S	204020	204
1.547	1.555	.374				1.781	1.785	.468	F	*205020	205
1.125" (1-1/8") SHAFT						1.781	1.787	.406	S	323133	32
—	—	—	S	800280	VRS1	1.828	1.832	.312	S	476838	47
						1.828	1.832	.375	S	*451258	45
						1.828	1.832	.375	S	*481258	48
						1.828	1.832	.437	S	*410045	41

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.125" (1-1/8") SHAFT (cont.)						1.125" (1-1/8") SHAFT (cont.)					
1.828	1.832	.437	S	*450045	45	2.441	2.445	.375	V	472681V	47
1.828	1.832	.437	H	*450045H	45	2.533	2.537	.250	S	472535	47
1.828	1.832	.437	N	*450045N	45	2.835	2.839	.375	S	472954	47
1.828	1.832	.437	V	*450045V	45	2.835	2.839	.375	V	472954V	47
1.828	1.832	.437	S	470045	47	2.875	2.879	.468	S	450430	45
1.828	1.832	.437	S	*480045	48	28,60mm (1.126") SHAFT					
1.850	1.859	.312	S	350974	35	—	—	—	S	800280	VRS1
1.874	1.878	.250	S	470712	47	—	—	—	V	800284	VRS1
1.874	1.878	.250	A	470712A	47	—	—	.313		99112	Redi-Sleeve
1.874	1.878	.250	N	*470712N	47	39.80	40.00	8.00	S	*28.6X40X8★	32
1.874	1.878	.250	V	470712V	47	1.567	1.575	.315			
1.874	1.878	.250	S	*480712	48	43.00	43.15	6.50	S	1989★	47
1.874	1.878	.375	S	*472523	47	1.693	1.699	.256			
1.874	1.878	.375	S	*482523	48	29,00mm (1.142") SHAFT					
1.874	1.878	.437	S	*410236	41	—	—	—	S	800300	VRS1
1.874	1.878	.437	H	*410236H	41	0.00	37.01	5.00	S	710504★	35
1.874	1.878	.437	S	*450236	45	.000	1.457	.197			
1.874	1.878	.437	H	*450236H	45	42.80	43.00	8.00	S	*29X43X8★	32
1.874	1.878	.437	S	470236	47	1.685	1.693	.315			
1.874	1.878	.437	S	*480236	48	43.80	44.00	7.00	S	*29X44X7★	32
1.874	1.878	.625	L	6704	1L	1.724	1.732	.276			
1.935	1.942	.625	S	6832S	204	44.80	45.00	9.00	S	*29X45X9★	32
1.937	1.942	.562	S	203003	203	1.764	1.772	.354			
1.937	1.942	.625	S	*203004	203	45.00	45.23	8.00	S	320595★	32
1.937	1.942	.625	F	205004	205	1.772	1.781	.315			
1.983	1.987	.250	S	471747	47	45.80	46.00	10.00	S	*29X46X10★	32
1.983	1.987	.375	S	472674	47	1.803	1.811	.394			
1.983	1.987	.375	S	*482674	48	46.80	47.00	8.00	S	*29X47X8★	32
1.983	1.987	.437	S	*410182	41	1.842	1.850	.315			
1.983	1.987	.437	S	*450182	45	46.80	47.00	10.00	S	*29X47X10★	32
1.983	1.987	.437	S	*470182	47	1.842	1.850	.394			
1.983	1.987	.437	S	*480182	48	49.80	50.00	10.00	S	*29X50X10★	32
2.000	2.004	.250	S	40160S	4S	1.961	1.969	.394			
2.000	2.004	.250	S	471763	47	55.75	56.00	10.00	S	*29X56X10★	32
2.000	2.004	.250	A	471763A	47	2.195	2.205	.394			
2.000	2.004	.250	V	471763V	47	61.95	62.20	9.00	S	*29X62.2X9★	32
2.000	2.004	.250	S	*481763	48	2.439	2.449	.354			
2.000	2.004	.312	H	*471464H	47	1.145" SHAFT					
2.000	2.004	.375	S	*450426	45	—	—	—	S	800300	VRS1
2.000	2.004	.437	S	*50160	5S	1.765	1.722	.070	S	*8734	#
2.000	2.004	.437	S	*410160	41	1.153" SHAFT					
2.000	2.004	.437	S	*450160	45	—	—	—	S	800300	VRS1
2.000	2.004	.437	S	*470160	47	1.686	1.690	.437	S	*7392S	#
2.000	2.004	.437	S	*480160	48	1.156" (1-5/32") SHAFT					
2.000	2.004	.500	S	*470642	47	—	—	—	S	800300	VRS1
2.047	2.051	.312	S	472644	47	—	—	.375	S	*99120	Redi-Sleeve
2.047	2.051	.312	V	472644V	47	1.575	1.580	.312	V	250437V	25
2.062	2.066	.250	S	*41785S	4S	1.686	1.690	.250	S	474260	47
2.062	2.066	.250	S	471785	47	1.686	1.690	.375	S	450502	45
2.062	2.066	.250	V	*471785V	47	1.686	1.690	.375	S	*480502	48
2.062	2.066	.375	S	*451135	45	1.752	1.756	.312	S	*451707	45
2.062	2.066	.375	H	*451135H	45	1.752	1.756	.312	S	471707	47
2.062	2.066	.375	S	*481135	48	1.752	1.756	.312	N	471707N	47
2.062	2.066	.375	H	*481135H	48	1.828	1.832	.437	S	450482	45
2.062	2.066	.437	S	*410241	41	1.828	1.832	.437	S	*480482	48
2.062	2.066	.437	S	*450241	45	1.874	1.878	.250	S	471736	47
2.062	2.066	.437	S	470241	47	1.874	1.878	.250	S	*481736	48
2.062	2.066	.437	V	*470241V	47	1.874	1.878	.437	H	*482457H	48
2.062	2.066	.437	S	*480241	48	1.875	1.878	.437	S	*450948	45
2.125	2.129	.250	S	481792	48	1.983	1.987	.250	N	*481748N	48
2.125	2.129	.250	N	*481792N	48	1.983	1.987	.375	S	*480906	48
2.125	2.129	.437	S	*411060	41	1.983	1.987	.437	S	*450046	45
2.125	2.129	.437	S	*451060	45						
2.125	2.129	.437	S	*471060	47						
2.250	2.254	.500	S	450604	45						
2.250	2.254	.500	N	*450604N	45						
2.250	2.254	.500	S	470604	47						
2.250	2.254	.500	S	*480604	48						
2.437	2.441	.468	S	450332	45						
2.441	2.445	.250	S	473259	47						
2.441	2.445	.250	V	*473259V	47						
2.441	2.445	.375	S	472681	47						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.156" (1-5/32") SHAFT (cont.)						30,00mm (1,181") SHAFT					
1.984	1.988	.250	V	*473428V	47	40,00	40,20	7,00	V	*30X40X7V★	32
1.984	1.988	.250	S	473428	47	1.575	1.583	.276			
2.000	2.004	.250	S	471764	47	40,00	40,23	7,00	S	30X40X7★	32
2.000	2.004	.375	S	481773	48	1.575	1.584	.276			
2.000	2.004	.437	S	450161	45	40,00	40,23	7,00	S	223005★	48
2.000	2.004	.437	H	*450161H	45	1.575	1.584	.276			
2.000	2.004	.437	V	*450161V	45	40,00	40,25	7,00	S	1129★	35
2.000	2.004	.437	S	*480161	48	1.575	1.585	.276			
2.062	2.066	.375	S	473427	47	30,00mm (1.181") SHAFT					
2.062	2.066	.437	S	*450051	45	40,80	41,00	7,00	S	*30X41X7★	32
2.062	2.066	.437	V	*450051V	45	1.606	1.614	.276			
2.062	2.066	.437	S	*470051	47	41,80	42,00	4,50	S	*30X42X4.5★	32
2.125	2.129	.437	S	450362	45	1.646	1.654	.177			
2.125	2.129	.437	S	470362	47	41,80	42,00	8,00	S	*30X42X8★	32
2.250	2.254	.500	S	*450600	45	1.646	1.654	.315			
2.834	2.839	.375	S	472239	47	41,80	42,00	10,00	S	*30X42X10★	32
						1.646	1.654	.394			
1.170" SHAFT						30,00mm (1,181") SHAFT					
-	-	-	S	800300	VRS1	42,00	42,20	7,00	S	30X42X7★	35
2.000	2.004	.250	S	*43069S	4S	1.654	1.661	.276			
2.031	2.035	.375	S	451182	45	42,00	42,20	7,00	V	*30X42X7V★	32
1.175" SHAFT						1.654	1.661	.276			
-	-	-	S	800300	VRS1	42,00	42,20	7,00	S	223010★➡	32
-	-	.313		*99122	Redi-Sleeve	1.654	1.661	.276			
1.771	1.775	.275	S	483488➡	48	42,00	42,27	7,00	S	1970★	35
1.828	1.832	.312	N	483054N	48	1.654	1.664	.276			
1.828	1.832	.312	V	*483054V	48	30,00mm (1.181") SHAFT					
1.178" SHAFT						42,80	43,00	7,00	S	*30X43X7★	32
-	-	-	S	800300	VRS1	1.685	1.693	.276			
-	-	.313		*99122	Redi-Sleeve	42,80	43,00	8,00	S	*30X43X8★	32
1.654	1.659	.276	N	*3241	33	1.685	1.693	.315			
2.447	2.452	.500	V	4813V➡	86	42,80	43,00	8,50	S	*30X43X8.5★	32
30,00mm (1,181") SHAFT						1.685	1.693	.335			
-	-	-	S	800300	VRS1	42,80	43,00	9,00	S	*30X43X9★	32
-	-	.315		99114	Redi-Sleeve	1.685	1.693	.354			
0,00	61,20	9,00	S	710516★	#	43,80	44,00	9,00	S	*30X44X9★	32
.000	2.409	.354				1.724	1.732	.354			
30,00mm (1.181") SHAFT						43,80	44,00	10,00	S	*30X44X10★	32
36,80	37,00	6,00	S	*30X37X6★	32	1.724	1.732	.394			
1.449	1.457	.236				30,00mm (1,181") SHAFT					
30,00mm (1,181") SHAFT						44,00	44,20	7,00	N	223012★➡	32
37,00	37,30	3,50	S	710401★	#	1.732	1.740	.276			
1.457	1.461	.138				44,00	44,28	7,00	S	30X44X7★	32
30,00mm (1.181") SHAFT						1.732	1.743	.276			
37,80	38,00	5,00	S	*30X38X5★	32	30,00mm (1.181") SHAFT					
1.488	1.496	.197				44,30	44,50	7,00	S	*30X44.5X7★	32
37,80	38,00	6,00	S	*30X38X6★	32	1.744	1.752	.276			
1.488	1.496	.236				44,80	45,00	6,00	S	*30X45X6★	32
37,80	38,00	7,00	S	*30X38X7★	32	1.764	1.772	.236			
1.488	1.496	.276				44,80	45,00	7,00	S	*30X45X7★	32
39,80	40,00	5,00	S	*30X40X5★	32	1.764	1.772	.276			
1.567	1.575	.197				44,80	45,00	10,00	S	*30X45X10★	32
39,80	40,00	8,00	S	*30X40X8★	32	1.764	1.772	.394			
1.567	1.575	.315				44,80	45,00	13,00	S	*30X45X13★	32
39,80	40,00	10,00	S	*30X40X10★	32	1.764	1.772	.512			
1.567	1.575	.394				30,00mm (1,181") SHAFT					
39,80	40,00	12,00	S	*30X40X12★	32	45,00	45,22	5,00	S	30X45X5★	32
1.567	1.575	.472				1.772	1.780	.197			
						45,00	45,20	6,00	S	223014★	32
						1.772	1.780	.236			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
30,00mm (1.181") SHAFT (cont.)						30,00mm (1.181") SHAFT					
45,00	45,20	8,00	S	30X45X8★	32	50,00	50,20	8,00	S	30X50X8★	48
1.772	1.780	.315				1.969	1.976	.315			
45,00	45,20	8,00	V	*30X45X8V★	35	50,00	50,20	10,00	V	*30X50X10V★	35
1.772	1.780	.315				1.969	1.976	.394			
45,00	45,20	8,00	S	710359★◄	#	50,00	50,23	7,00	S	30X50X7★	32
1.772	1.780	.315				1.969	1.978	.276			
45,00	45,20	15,00	S	2016★◄	#	50,00	50,23	7,00	S	223050★►	32
1.772	1.780	.591				1.969	1.978	.276			
45,00	45,23	8,00	S	1981★	35						
1.772	1.781	.315									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
45,80	46,00	8,00	S	*30X46X8★	32	50,75	51,00	10,00	S	*30X51X10★	32
1.803	1.811	.315				1.998	2.008	.394			
30,00mm (1.181") SHAFT						51,75	52,00	8,00	S	*30X52X8★	32
46,00	46,20	7,00	S	30X46X7★	32	2.037	2.047	.315			
1.811	1.819	.276				51,75	52,00	10,00	S	*30X52X10★	32
46,00	46,23	7,00	S	223018★	32	2.037	2.047	.394			
1.811	1.820	.276				51,75	52,00	11,00	S	*30X52X11★	32
46,00	46,30	8,00	N	712001★►	32	2.037	2.047	.433			
1.811	1.823	.315				51,75	52,00	12,00	S	*30X52X12★	32
30,00mm (1.181") SHAFT						2.037	2.047	.472			
46,80	47,00	5,00	S	*30X47X5★	32	30,00mm (1.181") SHAFT					
1.842	1.850	.197				52,00	52,18	7,00	S	223035★	35
46,80	47,00	6,00	S	*30X47X6★	32	2.047	2.054	.276			
1.842	1.850	.236				52,00	52,20	10,00	V	*30X52X10V★	32
46,80	47,00	8,00	S	*30X47X8★	32	2.047	2.055	.394			
1.842	1.850	.315				52,00	52,23	7,00	S	30X52X7★	35
46,80	47,00	10,00	S	*30X47X10★	32	2.047	2.056	.276			
1.842	1.850	.394				30,00mm (1.181") SHAFT					
30,00mm (1.181") SHAFT						53,75	54,00	9,00	S	*30X54X9★	32
47,00	47,20	7,00	V	*30X47X7V★	32	2.116	2.126	.354			
1.850	1.858	.276				30,00mm (1.181") SHAFT					
47,00	47,25	7,00	S	30X47X7★	32	54,00	54,20	9,00	S	710267★	32
1.850	1.860	.276				2.126	2.134	.354			
47,00	47,25	8,00	S	223020★	35	30,00mm (1.181") SHAFT					
1.850	1.860	.315				54,75	55,00	8,00	S	*30X55X8★	32
30,00mm (1.181") SHAFT						2.155	2.165	.315			
47,80	48,00	7,00	S	*30X48X7★	32	54,75	55,00	11,00	S	*30X55X11★	32
1.882	1.890	.276				2.155	2.165	.433			
47,80	48,00	10,00	S	*30X48X10★	32	54,75	55,00	12,00	S	*30X55X12★	32
1.882	1.890	.394				2.155	2.165	.472			
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
48,00	48,28	8,00	S	30X48X8★	32	55,00	55,20	7,00	S	30X55X7★	47
1.890	1.901	.315				2.165	2.173	.276			
48,00	48,30	8,00	S	714619★	35	55,00	55,20	10,00	V	*30X55X10V★	32
1.890	1.902	.315				2.165	2.173	.394			
30,00mm (1.181") SHAFT						55,00	55,28	10,00	S	30X55X10★	35
48,30	48,50	8,00	S	*30X48.5X8★	32	2.165	2.176	.394			
1.901	1.909	.315				30,00mm (1.181") SHAFT					
48,80	49,00	8,00	S	*30X49X8★	32	55,75	56,00	10,00	S	*30X56X10★	32
1.921	1.929	.315				2.195	2.205	.394			
49,80	50,00	10,00	S	*30X50X10★	32	55,75	56,00	12,00	S	*30X56X12★	32
1.961	1.969	.394				2.195	2.205	.472			
49,80	50,00	11,00	S	*30X50X11★	32	30,00mm (1.181") SHAFT					
1.961	1.969	.433				56,00	56,20	8,00	S	30X56X8★	35
49,80	50,00	11,00	S	*30X50X11★	32	2.205	2.213	.315			
1.961	1.969	.433				30,00mm (1.181") SHAFT					
49,80	50,00	12,00	S	*30X50X12★	32						
1.961	1.969	.472									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◄ Hydrodynamic Lip Design-CW ► Hydrodynamic Lip Design-CCW

★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
56,75	57,00	10,00	S	*30X57X10★	32	68,00	68,20	8,00	S	*30X68X8★	32
2.234	2.244	.394				2.677	2.685	.315			
57,75	58,00	10,00	S	*30X58X10★	32	70,00	70,20	8,00	S	*30X70X8★	32
2.273	2.283	.394				2.756	2.764	.315			
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
58,00	58,09	9,50	N	3907★↔	57	71,75	72,00	8,00	S	*30X72X8★	32
2.283	2.287	.374				2.825	2.835	.315			
58,00	58,20	8,00	S	*30X58X8★	32						
2.283	2.291	.315									
58,00	63,50	13,90	N	*3607★↔	57						
2.283	2.500	.547									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
59,75	60,00	7,00	S	*30X60X7★	32						
2.352	2.362	.276									
59,75	60,00	10,00	S	*30X60X10★	32						
2.352	2.362	.394									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
60,00	60,20	8,00	S	*30X60X8★	32						
2.362	2.370	.315									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
61,75	62,00	5,00	S	*30X62X5★	32	72,00	72,14	9,50	V	*470442V★	47
2.431	2.441	.197				2.835	2.840	.374			
61,75	62,00	8,00	S	*30X62X8★	32	72,00	72,20	7,00	S	30X72X7★	47
2.431	2.441	.315				2.835	2.843	.276			
61,75	62,00	9,00	S	*30X62X9★	32	72,00	72,20	8,00	V	*30X72X8V★	32
2.431	2.441	.354				2.835	2.843	.315			
61,75	62,00	10,00	S	*30X62X10★	32	72,00	72,27	10,00	S	30X72X10★	35
2.431	2.441	.394				2.835	2.845	.394			
61,75	62,00	11,00	S	*30X62X11★	32						
2.431	2.441	.433									
61,75	62,00	12,00	S	*30X62X12★	32						
2.431	2.441	.472									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
62,00	62,10	7,00	V	*473049V★	47						
2.441	2.445	.276									
62,00	62,10	9,50	S	*471353★	47						
2.441	2.445	.374									
62,00	62,15	6,35	S	*43493★	4S						
2.441	2.447	.250									
62,00	62,20	7,00	V	*30X62X7V★	35						
2.441	2.449	.276									
62,00	62,28	7,00	S	30X62X7★	32						
2.441	2.452	.276									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
64,75	65,00	10,00	S	*30X65X10★	32						
2.549	2.559	.394									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
65,00	65,20	8,00	S	*30X65X8★	32						
2.559	2.567	.315									
65,00	65,23	34,00	S	710065★	#						
2.559	2.568	1.339									
30,00mm (1.181") SHAFT						30,00mm (1.181") SHAFT					
67,75	68,00	10,00	S	*30X68X10★	32						
2.667	2.677	.394									
1.187" (1-3/16") SHAFT						1.187" (1-3/16") SHAFT					
-	-	-	S	800300	VRS1	-	-	-	S	800300	VRS1
-	-	.313		99118	Redi-Sleeve	-	-	.313		99118	Redi-Sleeve
1.627	1.635	.250	S	340817	34	1.627	1.635	.250	S	340817	34
1.686	1.690	.375	S	470328	47	1.686	1.690	.375	S	470328	47
1.686	1.690	.375	S	*480328	48	1.686	1.690	.375	S	*480328	48
1.687	1.691	.250	S	481213	48	1.687	1.691	.250	S	481213	48
1.713	1.718	.500	S	*2551★	25	1.713	1.718	.500	S	*2551★	25
1.716	1.720	.248	S	9487	68	1.716	1.720	.248	S	9487	68
1.718	1.722	.550	S	*712133	#	1.718	1.722	.550	S	*712133	#
1.752	1.756	.250	S	473203	47	1.752	1.756	.250	S	473203	47
1.752	1.756	.250	S	*483203	48	1.752	1.756	.250	S	*483203	48
1.752	1.756	.312	S	*451708	45	1.752	1.756	.312	S	*451708	45
1.752	1.756	.312	S	*481708	48	1.752	1.756	.312	S	*481708	48
1.752	1.756	.375	S	*450868	45	1.752	1.756	.375	S	*450868	45
1.828	1.832	.375	S	473425	47	1.828	1.832	.375	S	473425	47
1.828	1.832	.437	S	*410344	41	1.828	1.832	.437	S	*410344	41
1.828	1.832	.437	S	*450344	45	1.828	1.832	.437	S	*450344	45
1.828	1.832	.437	S	*470344	47	1.828	1.832	.437	S	*470344	47
1.828	1.832	.437	S	*480344	48	1.828	1.832	.437	S	*480344	48
1.874	1.878	.250	S	472475	47	1.874	1.878	.250	S	472475	47
1.874	1.878	.250	S	*482475	48	1.874	1.878	.250	S	*482475	48
1.874	1.878	.437	S	*411456	41	1.874	1.878	.437	S	*411456	41
1.874	1.878	.437	S	*451456	45	1.874	1.878	.437	S	*451456	45
1.874	1.878	.437	S	*471456	47	1.874	1.878	.437	S	*471456	47
1.874	1.878	.437	S	*481456	48	1.874	1.878	.437	S	*481456	48
1.968	1.972	.468	S	*203055	203	1.968	1.972	.468	S	*203055	203
1.983	1.987	.250	S	*471749	47	1.983	1.987	.250	S	*471749	47
1.983	1.987	.375	S	473426	47	1.983	1.987	.375	S	473426	47
1.983	1.987	.437	S	*410047	41	1.983	1.987	.437	S	*410047	41
1.983	1.987	.437	S	*450047	45	1.983	1.987	.437	S	*450047	45
1.983	1.987	.437	S	*470047	47	1.983	1.987	.437	S	*470047	47
1.983	1.987	.437	S	*480047	48	1.983	1.987	.437	S	*480047	48
1.996	2.000	.250	S	40576S	4S	1.996	2.000	.250	S	40576S	4S
2.000	2.004	.250	S	40162S	4S	2.000	2.004	.250	S	40162S	4S
2.000	2.004	.250	S	471765	47	2.000	2.004	.250	S	471765	47
2.000	2.004	.250	N	*471765N	47	2.000	2.004	.250	N	*471765N	47

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CCW ↔ Hydrodynamic Lip Design-Bidirectional

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.187" (1-3/16") SHAFT (cont.)						1.218" SHAFT (cont.)					
2.000	2.004	.250	S	*481765	48	1.983	1.987	.437	S	450048	45
2.000	2.004	.437	S	*410162	41	2.000	2.004	.437	S	450173	45
2.000	2.004	.437	N	*410162N	41	2.062	2.066	.375	S	*454242	45
2.000	2.004	.437	S	*450162	45	31,00mm (1.220") SHAFT					
2.000	2.004	.437	N	*450162N	45	—	—	—	S	800300	VRS1
2.000	2.004	.437	S	470162	47	—	—	—	S	800320	VRS1
2.000	2.004	.437	N	*470162N	47	—	—	—	S	800321	VRS2
2.000	2.004	.437	S	*480162	48	—	—	—	V	800324	VRS1
2.047	2.051	.250	S	43076S	4S	—	—	—			
2.047	2.051	.437	S	453063	45	—	—	.315		99123	Redi-Sleeve
2.062	2.066	.250	S	471354	47	42,00	42,20	8,00	V	710172★	35
2.062	2.066	.250	S	*481354	48	1.654	1.661	.315			
2.062	2.066	.250	N	*481354N	48	44,00	44,20	8,00	S	31X44X8★	32
2.062	2.066	.375	S	*452585	45	1.732	1.740	.315			
2.062	2.066	.375	S	*482585	48	46,00	46,20	8,00	N	710332★	32
2.062	2.066	.437	S	*410052	41	1.811	1.819	.315			
2.062	2.066	.437	S	*450052	45	46,00	46,28	8,00	V	1121★	32
2.062	2.066	.437	S	*470052	47	1.811	1.822	.315			
2.062	2.066	.437	S	*480052	48	46,80	47,00	10,00	S	*31X47X10★	32
2.125	2.129	.250	S	473205	47	1.842	1.850	.394			
2.125	2.129	.250	S	*483205	48	48,80	49,00	7,00	S	*31X49X7★	32
2.125	2.129	.375	S	*413293	41	1.921	1.929	.276			
2.125	2.129	.375	N	*413293N	41	49,80	50,00	8,00	S	*31X50X8★	32
2.125	2.129	.437	S	*410152	41	1.961	1.969	.315			
2.125	2.129	.437	N	*410152N	41	51,75	52,00	6,00	S	*31X52X6★	32
2.125	2.129	.437	S	*450152	45	2.037	2.047	.236			
2.125	2.129	.437	S	*470152	47	51,75	52,00	7,00	S	*31X52X7★	32
2.125	2.129	.437	S	*480152	48	2.037	2.047	.276			
2.165	2.169	.250	S	472350	47	1.238" SHAFT					
2.165	2.169	.250	S	*482350	48	—	—	—	S	800320	VRS1
2.250	2.254	.250	S	474255	47	—	—	—	S	800321	VRS2
2.250	2.254	.500	S	*410336	41	—	—	—	V	800324	VRS1
2.250	2.254	.500	S	*450336	45	—	—	.315	*99141	Redi-Sleeve	
2.250	2.254	.500	H	*450336H	45	2.250	2.254	.500	S	8293S	48
2.250	2.254	.500	S	470336	47	1.247" SHAFT					
2.250	2.254	.500	S	*480336	48	—	—	—	S	800320	VRS1
2.437	2.441	.250	S	474254	47	—	—	—	S	800321	VRS2
2.437	2.441	.468	S	*450347	45	—	—	—	V	800324	VRS1
2.437	2.441	.468	S	470347	47	—	—	.313	99125	Redi-Sleeve	
2.441	2.445	.250	S	474256	47	—	2.633	.480	S	8429S	#
2.441	2.445	.375	S	472432	47	1.687	1.691	.312	S	6859S	33
2.686	2.690	.500	S	470946	47	1.250" (1-1/4") SHAFT					
30,20mm (1.189") SHAFT						—	—	—	S	800320	VRS1
—	—	—	S	800300	VRS1	—	—	—	S	800321	VRS2
—	—	.313		99118	Redi-Sleeve	—	—	—	V	800324	VRS1
42,00	42,10	6,00	V	710340★	44	—	—	.313	99125	Redi-Sleeve	
1.654	1.657	.236				—	2.633	.480	S	8429S	#
1.190" SHAFT						1.687	1.691	.312	S	6859S	33
—	—	—	S	800300	VRS1	1.250" (1-1/4") SHAFT					
—	—	.313		99118	Redi-Sleeve	—	—	—	S	800320	VRS1
1.889	1.892	.651	V	*4748V↔	#	—	—	—	S	800321	VRS2
1.969	1.975	.261	N	*4738N↔	48	—	—	—	V	800324	VRS1
1.969	1.975	.312	V	*4738V↔	48	—	—	.313	99125	Redi-Sleeve	
2.122	2.128	.350	S	710068	#	1.250	1.838	.187	S	240949	24
30,50mm (1.201") SHAFT						1.499	1.505	.125	S	343186	34
51,75	52,00	8,00	S	*30.5X52X8★	32	1.499	1.509	.156	S	240736	24
2.037	2.047	.315				1.625	1.630	.188	S	251511	25
1.218" SHAFT						1.685	1.691	.252	S	323126	32
—	—	—	S	800300	VRS1	1.686	1.690	.375	S	480356	48
—	—	.315		99123	Redi-Sleeve	1.686	1.690	.375	V	*480356V	48
1.968	1.972	.468	S	203016	203	1.686	1.691	.250	S	*473135	47
1.979	1.983	.250	S	441319	44	1.686	1.691	.250	V	473135V	47
1.979	1.983	.406	S	203025	203	1.686	1.691	.250	S	474278	47
						1.686	1.691	.375	S	*330356	33
						1.686	1.692	.219	S	353135	35
						1.686	1.696	.218	S	340356	34
						1.686	1.697	.187	S	240356	24
						1.687	1.693	.250	S	322353	32
						1.750	1.754	.250	H	*7412H	48
						1.750	1.754	.250	S	7412S↔	48

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-CCW

↔↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.250" (1-1/4") SHAFT (cont.)						1.250" (1-1/4") SHAFT (cont.)					
1.750	1.754	.250	S	*9674➡	48	2.000	2.004	.375	S	*480652	48
1.750	1.754	.250	S	712025	#	2.000	2.004	.437	V	470163V	47
1.750	1.754	.375	N	*481203N	48	2.000	2.004	.437	N	*3438N	#
1.750	1.756	.250	U	710014	#	2.000	2.004	.437	S	410163	41
1.752	1.756	.250	S	40140S	4S	2.000	2.004	.437	N	*410163N	41
1.752	1.756	.250	S	471413	47	2.000	2.004	.437	S	*450163	45
1.752	1.756	.250	A	471413A	47	2.000	2.004	.437	N	*450163N	45
1.752	1.756	.250	N	*471413N	47	2.000	2.004	.437	S	470163	47
1.752	1.756	.250	V	471413V	47	2.000	2.004	.437	N	*470163N	47
1.752	1.756	.250	S	*481413	48	2.000	2.004	.437	S	*480163	48
1.752	1.756	.250	V	*481413V	48	2.031	2.035	.375	N	*471781N	47
1.752	1.756	.300	S	*5683++	32	2.047	2.051	.375	S	473551	47
1.752	1.756	.312	S	*411709	41	2.062	2.066	.250	V	471787V	47
1.752	1.756	.312	V	*411709V	41	2.062	2.066	.250	S	41787S	4S
1.752	1.756	.312	S	*451709	45	2.062	2.066	.250	S	*451787	45
1.752	1.756	.312	H	*451709H	45	2.062	2.066	.250	S	471787	47
1.752	1.756	.312	S	471709	47	2.062	2.066	.250	A	471787A	47
1.752	1.756	.312	H	*471709H	47	2.062	2.066	.250	S	*481787	48
1.752	1.756	.312	N	*471709N	47	2.062	2.066	.250	N	*481787N	48
1.752	1.756	.312	V	*471709V	47	2.062	2.066	.375	S	*451134	45
1.752	1.756	.312	S	*481709	48	2.062	2.066	.375	S	*481134	48
1.752	1.756	.375	L	51083	5L	2.062	2.066	.437	S	*410244	41
1.752	1.756	.375	S	*481083	48	2.062	2.066	.437	S	*450244	45
1.752	1.756	.375	N	*481083N	48	2.062	2.066	.437	N	*450244N	45
1.752	1.756	.375	V	*481083V	48	2.062	2.066	.437	S	470244	47
1.752	1.756	.399	S	*5684++	32	2.062	2.066	.437	S	*480244	48
1.752	1.756	.437	S	*450140	45	2.106	2.110	.468	S	*410177	41
1.752	1.756	.437	N	*450140N	45	2.106	2.110	.468	S	450177	45
1.752	1.756	.437	S	*470140	47	2.125	2.129	.250	V	471795V	47
1.752	1.756	.437	N	470140N	47	2.125	2.129	.250	S	471795	47
1.752	1.756	.437	N	*480140N	48	2.125	2.129	.250	N	471795N	47
1.780	1.785	.468	S	*203045	203	2.125	2.129	.250	S	*481795	48
1.812	1.817	.235	T	39713➡➡	DW-H	2.125	2.129	.268	V	*470368V	47
1.874	1.878	.250	V	471737V	47	2.125	2.129	.437	S	*410245	41
1.874	1.878	.250	S	*40683S	4S	2.125	2.129	.437	S	*450245	45
1.874	1.878	.250	S	471737	47	2.125	2.129	.437	N	*450245N	45
1.874	1.878	.250	S	*481737	48	2.125	2.129	.437	S	470245	47
1.874	1.878	.250	V	*481737V	48	2.125	2.129	.437	S	*480245	48
1.874	1.878	.375	S	*470683	47	2.126	2.130	.375	N	482230N	48
1.874	1.878	.375	S	*480683	48	2.133	2.137	.313	S	*1070	35
1.874	1.878	.437	S	*411246	41	2.250	2.254	.250	S	42081S	4S
1.874	1.878	.437	S	*471246	47	2.250	2.254	.435	S	7686S	25
1.874	1.878	.437	S	*481246	48	2.250	2.254	.500	S	*410165	41
1.955	1.960	.435	S	3199	48	2.250	2.254	.500	S	*450165	45
1.968	1.972	.468	S	*204012	204	2.250	2.254	.500	H	*450165H	45
1.968	1.972	.468	S	6906S	204	2.250	2.254	.500	S	470165	47
1.968	1.972	.468	S	203012	203	2.250	2.254	.500	S	*480165	48
1.979	1.983	.250	S	204507	204	2.252	2.256	.375	S	471801	47
1.979	1.983	.375	S	*470706	47	2.252	2.256	.375	H	*471801H	47
1.979	1.983	.406	S	203029	203	2.252	2.256	.375	S	*481801	48
1.979	1.983	.406	S	204029	204	2.252	2.256	.375	N	*481801N	48
1.979	1.983	.468	S	*204024	204	2.374	2.378	.375	S	471808	47
1.983	1.987	.250	S	7781S	203	2.374	2.378	.375	S	*481808	48
1.983	1.987	.250	S	471750	47	2.374	2.378	.500	S	*410559	41
1.983	1.987	.250	A	471750A	47	2.374	2.378	.500	S	*450559	45
1.983	1.987	.250	V	471750V	47	2.374	2.378	.500	S	*470559	47
1.983	1.987	.250	S	*481750	48	2.374	2.378	.500	S	*480559	48
1.983	1.987	.437	S	*410049	41	2.398	2.402	.228	S	710101➡➡	#
1.983	1.987	.437	S	*450049	45	2.437	2.441	.250	S	*453760	45
1.983	1.987	.437	N	*450049N	45	2.437	2.441	.375	S	471818	47
1.983	1.987	.437	S	470049	47	2.437	2.441	.375	S	*481818	48
1.983	1.987	.437	S	*480049	48	2.437	2.441	.468	S	*410481	41
2.000	2.004	.250	S	40652S	4S	2.437	2.441	.468	S	*450481	45
2.000	2.004	.250	S	471766	47	2.437	2.441	.468	S	*470481	47
2.000	2.004	.250	A	471766A	47	2.437	2.441	.468	S	*480481	48
2.000	2.004	.250	V	471766V	47	2.441	2.445	.375	S	471407	47
2.000	2.004	.250	S	*481766	48	2.441	2.445	.375	S	*481407	48
2.000	2.004	.290	S	200338	200	2.502	2.506	.375	S	471833	47
2.000	2.004	.375	S	*450652	45	2.502	2.506	.375	S	*481833	48
2.000	2.004	.375	H	*450652H	45	2.502	2.506	.500	S	*411842	41
2.000	2.004	.375	V	*450652V	45	2.561	2.565	.500	N	471845N	47
2.000	2.004	.375	S	*470652	47	2.561	2.565	.500	S	451845	45

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡➡ Hydrodynamic Lip Design-Bidirectional

++ Not Sold Separately * Call 1-800-480-1212 For Price and Delivery

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.250" (1-1/4") SHAFT (cont.)						32,00mm (1.260") SHAFT (cont.)					
2.686	2.690	.375	S	481859	48	45,00	45,23	7,00	S	223230★	32
2.713	2.717	.468	S	*410341	41	1.772	1.781	.276			
2.713	2.717	.468	S	450341	45	45,00	45,23	7,00	S	32X45X7★	32
2.835	2.839	.468	S	*410806	41	1.772	1.781	.276			
2.835	2.839	.468	S	*450806	45	45,80	46,00	7,00	S	*32X46X7★	32
2.835	2.839	.468	S	470806	47	1.803	1.811	.276			
2.835	2.839	.468	S	*480806	48	45,80	46,00	8,00	S	*32X46X8★	32
2.877	2.881	.250	S	472536	47	1.803	1.811	.315			
3.150	3.155	.375	S	*472651	47	46,00	46,20	6,00	N	*324115N★	32
3.150	3.155	.375	V	472651V	47	1.811	1.819	.236			
3.155	3.160	.500	S	453279	45	46,00	46,23	6,00	S	32X46X6★	32
32,00mm (1.260") SHAFT						1.811	1.820	.236			
-	-	-	S	800320	VRS1	46,00	46,23	6,00	N	223235★	32
-	-	-	S	800321	VRS2	1.811	1.820	.236			
-	-	-	V	800324	VRS1	46,80	47,00	6,00	S	*32X47X6★	32
-	-	.315		99128	Redi-Sleeve	1.842	1.850	.236			
39,80	40,00	7,00	S	*32X40X7★	32	46,80	47,00	8,00	S	*32X47X8★	32
1.567	1.575	.276				1.842	1.850	.315			
39,80	40,00	10,00	S	*32X40X10★	32	47,00	47,20	6,00	N	*32X47X10★	32
1.567	1.575	.394				1.850	1.858	.236			
40,00	40,15	5,00	S	223210★	34	47,00	47,20	7,00	V	*32X47X7V★	32
1.575	1.581	.197				1.850	1.858	.276			
40,80	41,00	7,00	S	*32X41X7★	32	47,00	47,20	8,00	S	*580387★	32
1.606	1.614	.276				1.850	1.858	.315			
41,80	42,00	6,00	S	*32X42X6★	32	47,00	47,23	7,00	S	32X47X7★	35
1.646	1.654	.236				1.850	1.859	.276			
42,00	42,20	7,00	S	32X42X7★	35	47,00	47,24	10,00	N	3476★	32
1.654	1.661	.276				1.850	1.860	.394			
42,00	42,20	8,00	S	32X42X8★	32	47,80	48,00	7,00	S	*32X48X7★	32
1.654	1.661	.315				1.882	1.890	.276			
42,00	42,20	8,00	S	710282★	32	47,80	48,00	10,00	S	*32X48X10★	32
1.654	1.661	.315				1.882	1.890	.394			
42,00	42,20	10,00	S	223215★	32	48,00	48,20	7,00	S	710327★	32
1.654	1.661	.394				1.890	1.898	.276			
43,00	43,20	7,00	S	32X43X7★	32	48,00	48,20	8,00	S	32X48X8★	32
1.693	1.701	.276				1.890	1.898	.315			
43,00	43,20	7,00	S	710370★	32	48,00	48,20	8,00	V	*32X48X8V★	35
1.693	1.701	.276				1.890	1.898	.315			
43,00	43,28	4,00	N	*4596★	35	48,00	48,20	9,00	N	223240★	40
1.693	1.704	.157				1.890	1.898	.354			
43,80	44,00	5,00	S	*32X44X5★	32	48,00	48,20	10,00	S	710317★	32
1.724	1.732	.197				1.890	1.898	.394			
43,80	44,00	6,00	S	*32X44X6★	32	49,80	50,00	7,00	S	*32X50X7★	32
1.724	1.732	.236				1.961	1.969	.276			
43,80	44,00	7,00	S	*32X44X7★	32	49,80	50,00	10,00	S	*32X50X10★	32
1.724	1.732	.276				1.961	1.969	.394			
43,80	44,00	8,00	S	*32X44X8★	32	50,00	50,14	8,00	V	710164★	48
1.724	1.732	.315				1.969	1.974	.315			
43,80	44,00	8,00	S	*32X44X8★	32	50,00	50,20	10,00	V	*32X50X10V★	35
1.724	1.732	.315				1.969	1.976	.394			
43,80	44,00	9,00	S	*32X44X9★	32	50,00	50,23	8,00	S	32X50X8★	35
1.724	1.732	.354				1.969	1.978	.315			
43,80	44,00	10,00	S	*32X44X10★	32	50,00	50,23	8,00	S	223250★	32
1.724	1.732	.394				1.969	1.978	.315			
44,00	44,23	6,00	N	223220★	32	50,00	50,23	8,00	S	710415★	32
1.732	1.741	.236				1.969	1.978	.315			
44,30	44,50	8,00	S	*32X44.5X8★	32	51,75	52,00	8,00	S	*32X52X8★	32
1.744	1.752	.315				2.037	2.047	.315			
44,30	44,50	10,00	S	*32X44.5X10★	32	51,75	52,00	10,00	S	*32X52X10★	32
1.744	1.752	.394				2.037	2.047	.394			
44,80	45,00	6,00	S	*32X45X6★	32	51,75	52,00	11,00	S	*32X52X11★	32
1.764	1.772	.236				2.037	2.047	.433			
44,80	45,00	6,50	S	*32X45X6.5★	32	51,75	52,00	12,00	S	*32X52X12★	32
1.764	1.772	.256				2.037	2.047	.472			
44,80	45,00	8,00	S	*32X45X8★	32	52,00	52,20	7,00	V	*32X52X7V★	35
1.764	1.772	.315				2.047	2.055	.276			
44,80	45,00	10,00	S	*32X45X10★	32	52,00	52,20	10,00	S	710306★	32
1.764	1.772	.394				2.047	2.055	.394			
45,00	45,21	6,00	V	320348★	32	52,00	52,25	11,00	N	1167★	32
1.772	1.780	.236				2.047	2.057	.433			

For Illustration and Material Data See Technical Section

★ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
32,00mm (1.260") SHAFT (cont.)						1.281" (1-9/32") SHAFT (cont.)					
52,00	52,28	7,00	S	32X52X7★	32	2.000	2.004	.375	S	473424	47
2,047	2,058	.276				2,000	2,004	.437	S	*450164	45
52,00	52,28	7,00	S	223255★	35	2,000	2,006	.250	S	353137	35
2,047	2,058	.276				2,062	2,066	.437	S	*450124	45
52,00	52,28	11,00	N	223252★↔	32	33,00mm (1.299") SHAFT					
2,047	2,058	.433				—	—	—	S	800320	VRS1
52,75	53,00	7,00	S	*32X53X7★	32	—	—	—	S	800321	VRS2
2,077	2,087	.276				—	—	—	V	800324	VRS1
53,00	53,28	7,00	N	223253★↔	32	43,80	44,00	7,00	S	*33X44X7★	32
2,087	2,098	.276				1,724	1,732	.276			
53,75	54,00	8,00	S	*32X54X8★	32	43,80	44,00	8,00	S	*33X44X8★	32
2,116	2,126	.315				1,724	1,732	.315			
54,00	54,20	10,00	S	2008★&	#	44,00	44,18	7,00	S	710070★	47
2,126	2,134	.394				1,732	1,739	.276			
54,00	54,23	10,00	S	32X54X10★	32	44,80	45,00	8,00	S	*33X45X8★	32
2,126	2,135	.394				1,764	1,772	.315			
54,75	55,00	6,50	S	*32X55X6.5★	32	44,80	45,00	10,00	S	*33X45X10★	32
2,155	2,165	.256				1,764	1,772	.394			
54,75	55,00	7,00	S	*32X55X7★	32	1,779	1,784	.256	T	39879↔↔	FW-H
2,155	2,165	.276				45,80	46,00	7,00	S	*33X46X7★	32
54,75	55,00	8,00	S	*32X55X8★	32	1,803	1,811	.276			
2,155	2,165	.315				46,43	46,53	9,53	N	6370N★	33
54,75	55,00	10,00	S	*32X55X10★	32	1,828	1,832	.375			
2,155	2,165	.394				46,80	47,00	8,00	S	*33X47X8★	32
54,75	55,00	11,00	S	*32X55X11★	32	1,842	1,850	.315			
2,155	2,165	.433				47,00	47,20	8,00	S	223340★↔	32
55,75	56,00	8,00	S	*32X56X8★	32	1,850	1,858	.315			
2,195	2,205	.315				47,10	47,30	7,00	S	*33X47.3X7★	32
56,00	56,28	10,00	S	32X56X10★	32	1,854	1,862	.276			
2,205	2,216	.394				47,80	48,00	6,00	S	*33X48X6★	32
57,75	58,00	10,00	S	*32X58X10★	32	1,882	1,890	.236			
2,273	2,283	.394				47,80	48,00	8,00	S	*33X48X8★	32
57,75	58,00	12,00	S	*32X58X12★	32	1,882	1,890	.315			
2,273	2,283	.472				49,00	49,23	8,00	N	710236★↔	32
58,00	58,20	8,00	S	32X58X8★	32	1,929	1,938	.315			
2,283	2,291	.315				49,80	50,00	6,00	S	*33X50X6★	32
58,00	58,29	12,70	S	*1204★	32	1,961	1,969	.236			
2,283	2,295	.500				49,80	50,00	7,00	S	*33X50X7★	32
60,00	60,20	8,00	S	32X60X8★	32	1,961	1,969	.276			
2,362	2,370	.315				49,80	50,00	10,00	S	*33X50X10★	32
60,00	60,20	10,00	S	32X60X10★	48	1,961	1,969	.394			
2,362	2,370	.394				50,00	50,20	7,00	S	710328★	35
61,75	62,00	10,00	S	*32X62X10★	32	1,969	1,976	.276			
2,431	2,441	.394				50,00	50,25	12,00	S	33X50X12★	32
61,75	62,00	12,00	S	*32X62X12★	32	1,969	1,978	.472			
2,431	2,441	.472				50,00	50,25	12,00	S	1168★	32
62,00	62,20	8,00	S	32X62X8★	32	1,969	1,978	.472			
2,441	2,449	.315				56,00	56,23	8,00	N	710132★	#
64,75	65,00	7,50	S	*32X65X7.5★	32	2,008	2,214	.315			
2,549	2,559	.295				51,75	52,00	5,00	S	*33X52X5★	32
64,75	65,00	8,00	S	*32X65X8★	32	2,037	2,047	.197			
2,549	2,559	.315				51,75	52,00	10,00	S	*33X52X10★	32
64,75	65,00	10,00	S	*32X65X10★	32	2,037	2,047	.394			
2,549	2,559	.394				51,92	52,02	12,45	S	3348★↔↔	47
69,75	70,00	8,00	S	*32X70X8★	32	2,044	2,048	.490			
2,746	2,756	.315				52,00	52,25	6,00	S	33X52X6★	32
69,75	70,00	11,00	S	*32X70X11★	32	2,047	2,057	.236			
2,746	2,756	.433				54,75	55,00	10,00	S	*33X55X10★	32
71,75	72,00	10,00	S	*32X72X10★	32	2,155	2,165	.394			
2,825	2,835	.394				55,75	56,00	10,00	S	*33X56X10★	32
72,00	72,20	8,00	S	32X72X8★	32	2,195	2,205	.394			
2,835	2,843	.315				55,75	56,00	12,00	S	*33X56X12★	32
1.281" (1-9/32") SHAFT						2,195	2,205	.472			
—	—	—	S	800320	VRS1	59,00	59,20	17,00	N	710124★	#
—	—	—	S	800321	VRS2	2,323	2,331	.669			
—	—	—	V	800324	VRS1	61,75	62,00	7,00	S	*33X62X7★	32
1,752	1,756	.375	S	51032S	5S	2,431	2,441	.276			
1,983	1,987	.437	S	*450050	45	71,75	72,00	10,00	S	*33X72X10★	32
1,983	1,987	.437	S	470050	47	2,825	2,835	.394			
1,997	2,005	.375	S	*350878	35						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↗ Hydrodynamic Lip Design-CW ↖ Hydrodynamic Lip Design-CCW

↔↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
33,00mm (1.299") SHAFT (cont.)						1.312" (1-5/16") SHAFT (cont.)					
89.90	89.60	40.00	N	5210★⑤	35	2.502	2.506	.375	S	481834	48
3.539	3.528	1.575				2.750	2.754	.500	S	*481901	48
1.301" SHAFT						2.835	2.839	.468	S	*471904	47
—	—	—	S	800350	VRS1	2.875	2.879	.437	S	*451905	45
—	—	—	V	800354	VRS1	2.996	3.001	.500	S	450147	45
—	—	—	V	800355	VRS2	1.318" SHAFT					
2.000	2.004	.437	S	*471193	47	—	—	—	S	800350	VRS1
2.000	2.004	.437	N	471193N	47	—	—	—	V	800354	VRS1
2.000	2.004	.437	N	*481193N	48	—	—	—	V	800355	VRS2
2.620	2.625	.315	S	710043	#	2.280	2.286	.906	S	5131↔	#
1.312" (1-5/16") SHAFT						2.620	2.625	.875	S	2300	#
—	—	—	S	800350	VRS1	1.322" SHAFT					
—	—	—	V	800354	VRS1	—	—	—	S	800350	VRS1
—	—	—	V	800355	VRS2	—	—	—	V	800354	VRS1
—	—	.250		99129	Redi-Sleeve	—	—	—	V	800355	VRS2
—	—	.500		99131	Redi-Sleeve	2.227	2.231	.375	S	*484058	48
1.625	1.662	.156	N	722108	VRS1	1.326" SHAFT					
1.627	.000	.331	S	710455	#	—	—	—	S	800350	VRS1
1.750	1.758	.250	S	*342214	34	—	—	—	V	800354	VRS1
1.752	1.760	.187	S	240716	24	—	—	—	V	800355	VRS2
1.828	1.833	.250	T	39904⑤	FF	2.061	2.065	.375	S	*484054	48
1.874	1.878	.375	S	*473423	47	2.226	2.231	.500	S	*3145	#
1.874	1.878	.437	S	*410521	41	2.226	2.247	.500	S	5124	48
1.874	1.878	.437	S	*450521	45	2.312	2.316	.435	S	9161	48
1.874	1.878	.437	S	*470521	47	34,00mm (1.339") SHAFT					
1.874	1.878	.437	S	*480521	48	—	—	—	S	800350	VRS1
1.983	1.987	.375	S	*473422	47	—	—	—	V	800354	VRS1
1.983	1.987	.437	S	*471755	47	—	—	—	V	800355	VRS2
2.000	2.004	.250	S	*43093S	4S	—	—	—	V	800355	VRS2
2.000	2.004	.312	S	*473210	47	—	—	.500		99134	Redi-Sleeve
2.000	2.004	.312	V	*473210V	47	41.80	42.00	5.00	S	*34X42X5★	32
2.000	2.004	.375	S	*470561	47	1.646	1.654	.197			
2.000	2.004	.375	S	*480561	48	43.80	44.00	7.00	S	*34X44X7★	32
2.000	2.004	.437	S	*411352	41	1.724	1.732	.276			
2.062	2.066	.312	S	*472826	47	43.80	44.00	8.00	S	*34X44X8★	32
2.062	2.066	.375	S	*484178	48	1.724	1.732	.315			
2.062	2.066	.437	S	*410129	41	44.00	44.23	8.00	N	223400★	32
2.062	2.066	.437	S	470129	47	1.732	1.741	.315			
2.062	2.066	.437	S	*480129	48	45.00	45.20	8.00	S	34X45X8★	32
2.097	2.105	.375	F	*712135	#	1.772	1.780	.315			
2.106	2.110	.375	S	*473421	47	45.80	46.00	8.00	S	*34X46X8★	32
2.106	2.110	.468	S	*410179	41	1.803	1.811	.315			
2.106	2.110	.468	S	*450179	45	46.80	47.00	8.00	S	*34X47X8★	32
2.125	2.129	.312	S	*473211	47	1.842	1.850	.315			
2.125	2.129	.437	S	*410247	41	46.80	47.00	9.00	S	*34X47X9★	32
2.125	2.129	.437	N	*410247N	41	1.842	1.850	.354			
2.125	2.129	.437	S	*450247	45	47.80	48.00	7.00	S	*34X48X7★	32
2.125	2.129	.437	S	*470247	47	1.882	1.890	.276			
2.125	2.129	.437	S	*480247	48	47.80	48.00	8.00	S	*34X48X8★	32
2.166	2.170	.375	S	473812	47	1.882	1.890	.315			
2.250	2.254	.312	S	*473212	47	48.00	48.20	7.00	S	*580388★↔	32
2.250	2.254	.312	A	473212A	47	1.890	1.898	.276			
2.250	2.254	.500	S	*410167	41	48.00	48.28	7.50	S	710416★	35
2.250	2.254	.500	S	*450167	45	1.890	1.901	.295			
2.250	2.254	.500	S	*470167	47	48.00	48.28	7.50	S	223410★	35
2.250	2.254	.500	S	*480167	48	1.890	1.901	.295			
2.282	2.286	.250	S	40769S	4S	48.00	48.28	8.00	N	223420★↔	32
2.374	2.378	.250	S	*40053S	4S	1.890	1.901	.315			
2.374	2.378	.312	S	*473213	47	49.80	50.00	7.00	S	*34X50X7★	32
2.374	2.378	.500	S	*410053	41	1.961	1.969	.276			
2.374	2.378	.500	S	*450053	45	49.80	50.00	8.00	S	*34X50X8★	32
2.374	2.378	.500	S	*470053	47	1.961	1.969	.315			
2.374	2.378	.500	S	*480053	48	49.80	50.00	10.00	S	*34X50X10★	32
2.437	2.441	.468	S	*410503	41	1.961	1.969	.394			
2.437	2.441	.468	S	*450503	45						
2.437	2.441	.468	S	470503	47						
2.437	2.441	.468	S	*480503	48						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-Bidirectional

⑤ Seal & Installation Sleeve ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
34,00mm (1.339") SHAFT (cont.)						1.343" (1-11/32") SHAFT (cont.)					
49,80	50,00	12,00	S	*34X50X12★	32	2.374	2.378	.500	S	450054	45
1.961	1.969	.472				2.441	2.445	.375	S	483793	48
50,00	50,20	8,00	N	223430★↔	35	1.350" SHAFT					
1.969	1.976	.315				—	—	—	S	800350	VRS1
50,00	50,20	8,00	N	710417★	35	—	—	—	V	800354	VRS1
1.969	1.976	.315				—	—	—	V	800355	VRS2
51,75	52,00	10,00	S	*34X52X10★	32	1.620	1.625	.355	S	710076	#
2.037	2.047	.394				2.502	2.506	.500	S	*453309	45
51,75	52,00	11,00	S	*34X52X11★	32	2.571	2.575	.706	S	8594S	62
2.037	2.047	.433				34,50mm (1.358") SHAFT					
52,00	52,28	8,00	S	34X52X8★	32	—	—	—	S	800350	VRS1
2.047	2.058	.315				—	—	—	V	800354	VRS1
52,75	53,00	8,00	S	*34X53X8★	32	—	—	—	V	800355	VRS2
2.077	2.087	.315				71,00	71,10	42,00	N	710250★	#
53,00	53,28	8,00	N	710418★	32	2.795	2.799	1.654			
2.087	2.098	.315				1.362" SHAFT					
53,00	53,28	8,00	N	223440★	32	—	—	—	S	800350	VRS1
2.087	2.098	.315				—	—	—	V	800354	VRS1
53,75	54,00	8,00	S	*34X54X8★	32	—	—	—	V	800355	VRS2
2.116	2.126	.315				2.191	2.195	.250	S	8133S	48
54,00	54,20	9,00	S	34X54X9★	35	2.241	2.249	.250	S	*341518	34
2.126	2.134	.354				2.241	2.249	.250	S	*351518	35
54,00	54,25	9,00	N	710110★↔↔	40	1.365" SHAFT					
2.126	2.136	.354				—	—	—	S	800350	VRS1
54,75	55,00	11,00	S	*34X55X11★	32	—	—	—	V	800354	VRS1
2.155	2.165	.433				—	—	—	V	800355	VRS2
55,00	55,20	9,00	S	34X55X9★	32	1.955	1.960	.435	S	3214	48
2.165	2.173	.354				2.081	2.085	.435	S	*8883	48
56,00	56,20	8,00	S	*34X56X8★	32	2.081	2.085	.435	S	51322	5S
2.205	2.213	.315				2.259	2.264	.435	S	9569S	99
57,75	58,00	10,00	S	*34X58X10★	32	2.374	2.379	.435	S	9568	48
2.273	2.283	.394				1.370" SHAFT					
58,00	58,20	8,00	S	*34X58X8★	32	1.375	2.438	.250	S	*715101%	#
2.283	2.291	.315				1.372" SHAFT					
60,00	60,20	8,00	S	*34X60X8★	32	—	—	—	S	800350	VRS1
2.362	2.370	.315				—	—	—	V	800354	VRS1
61,75	62,00	7,00	S	*34X62X7★	32	—	—	—	V	800355	VRS2
2.431	2.441	.276				—	—	.313		99133	Redi-Sleeve
61,75	62,00	14,00	S	*34X62X14★	32	—	—	.500		99138	Redi-Sleeve
2.431	2.441	.551				—	4.560	.480	S	8549S&	#
62,00	62,18	10,00	S	34X62X10★	35	2.250	2.515	1.197	S	7715S	#
2.441	2.448	.394				1.375" (1-3/8") SHAFT					
62,00	62,20	10,00	S	710422★	35	—	—	—	S	800350	VRS1
2.441	2.449	.394				—	—	—	V	800354	VRS1
62,00	62,20	10,00	S	223462★	35	—	—	—	V	800355	VRS2
2.441	2.449	.394				—	—	.313		99133	Redi-Sleeve
63,00	63,09	9,00	N	710109★↔↔	40	—	—	.500		99138	Redi-Sleeve
2.480	2.484	.354				—	—	.512		99139	Redi-Sleeve
65,00	65,10	12,00	S	710151★	47	—	4.582	.259	S	8676S	54
2.559	2.563	.472				—	4.582	.259	S	9344S	54
69,75	70,00	10,00	S	*34X70X10★	32	1.750	1.756	.187	S	340853	34
2.746	2.756	.394				1.828	1.832	.375	S	*330480	33
71,75	72,00	10,00	S	*34X72X10★	32	1.828	1.832	.375	N	*330480N	33
2.825	2.835	.394				1.828	1.834	.250	S	323138	32
71,75	72,00	12,00	S	*34X72X12★	32	1.828	1.839	.255	S	*6622	34
2.825	2.835	.472				1.829	1.837	.187	S	6597S	34
1.340" SHAFT						1.375" (1-3/8") SHAFT					
.000	1.910	.275	T	710515	32	—	—	—	S	800350	VRS1
1.343" (1-11/32") SHAFT						—	—	—	V	800354	VRS1
—	—	—	S	800350	VRS1	—	—	—	V	800355	VRS2
—	—	—	V	800354	VRS1	—	—	.313		99133	Redi-Sleeve
—	—	—	V	800355	VRS2	—	—	.500		99138	Redi-Sleeve
2.106	2.110	.312	N	*413697N	41	—	—	.512		99139	Redi-Sleeve
2.106	2.110	.375	S	473435	47	—	4.582	.259	S	8676S	54
2.106	2.110	.468	S	*450180	45	—	4.582	.259	S	9344S	54
2.125	2.129	.375	S	473436	47	1.750	1.756	.187	S	340853	34
2.125	2.129	.437	S	*450248	45	1.828	1.832	.375	S	*330480	33
2.125	2.129	.437	S	*480248	48	1.828	1.832	.375	N	*330480N	33
						1.828	1.834	.250	S	323138	32
						1.828	1.839	.255	S	*6622	34
						1.829	1.837	.187	S	6597S	34

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CW ↔↔ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL[®]

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.375" (1-3/8") SHAFT (cont.)						1.375" (1-3/8") SHAFT (cont.)					
1.874	1.878	.250	V	472354V	47	2.125	2.129	.375	N	482576N	48
1.874	1.878	.250	L	40395	4L	2.125	2.129	.437	S	*410135	41
1.874	1.878	.250	S	472354	47	2.125	2.129	.437	N	*410135N	41
1.874	1.878	.312	S	330663	33	2.125	2.129	.437	S	*450135	45
1.874	1.878	.312	N	*330663N	33	2.125	2.129	.437	S	470135	47
1.874	1.878	.437	S	50395S	5S	2.125	2.129	.437	N	*470135N	47
1.874	1.879	.240	V	484156V	48	2.125	2.129	.437	S	*480135	48
1.874	1.879	.250	S	40395S	4S	2.125	2.129	.812	S	*70135S	7S
1.874	1.880	.250	S	352354	32	2.125	2.130	.375	S	*453022	45
1.875	1.878	.187	S	6668S	33	2.125	2.130	.375	S	*483022	48
1.947	1.951	.500	S	1097	33	2.166	2.176	.485	N	*324152	32
1.947	1.951	.500	S	1097N	33	2.244	2.254	1.197	N	2655	79
1.952	1.957	.500	N	2443	25	2.248	2.252	.375	S	*471136	47
1.981	1.989	.252	N	714655	48	2.248	2.252	.375	S	*481136	48
1.982	1.989	.192	N	4638N	#	2.250	2.252	1.062	L	6200	9L
1.982	1.989	.312	N	*4655N	48	2.250	2.254	.250	S	40169S	4S
1.983	1.987	.312	S	482163	48	2.250	2.254	.312	V	473214V	47
1.983	1.987	.312	N	482163N	48	2.250	2.254	.312	S	473214	47
1.983	1.987	.375	S	*483562	48	2.250	2.254	.312	A	473214A	47
1.983	1.987	.375	N	*483562N	48	2.250	2.254	.312	S	*483214	48
2.000	2.004	.250	S	40522S	4S	2.250	2.254	.325	S	*482167	48
2.000	2.004	.300	S	*472083	47	2.250	2.254	.375	S	*411000	41
2.000	2.004	.312	S	472258	47	2.250	2.254	.375	S	*481000	48
2.000	2.004	.312	A	472258A	47	2.250	2.254	.500	S	*410169	41
2.000	2.004	.312	N	*472258N	47	2.250	2.254	.500	N	*410169N	41
2.000	2.004	.312	V	472258V	47	2.250	2.254	.500	S	*450169	45
2.000	2.004	.312	S	*482258	48	2.250	2.254	.500	N	*450169N	45
2.000	2.004	.312	V	482258V	48	2.250	2.254	.500	V	*450169V	45
2.000	2.004	.320	S	5872S	45	2.250	2.254	.500	S	470169	47
2.000	2.004	.328	S	480570	48	2.250	2.254	.500	S	*480169	48
2.000	2.004	.375	S	*6340	45	2.250	2.254	.713	S	7495S	61
2.000	2.004	.375	S	*411268	41	2.282	2.286	.250	S	42763	4S
2.000	2.004	.375	N	*411268N	41	2.282	2.286	.500	L	50402	5L
2.000	2.004	.375	H	*451268H	45	2.327	2.332	.406	S	204027	204
2.000	2.004	.375	S	471268	47	2.328	2.332	.406	F	*205027	205
2.000	2.004	.375	N	471268N	47	2.373	2.378	.500	N	*4419	#
2.000	2.004	.375	V	*471268V	47	2.374	2.378	.250	S	43089S	4S
2.000	2.004	.375	S	*481268	48	2.374	2.378	.312	S	473215	47
2.000	2.004	.375	V	*481268V	48	2.374	2.378	.312	S	*483215	48
2.000	2.004	.437	S	*410522	41	2.374	2.378	.312	V	*483215V	48
2.000	2.004	.437	S	*470522	47	2.374	2.378	.375	S	*451131	45
2.000	2.004	.437	S	*480522	48	2.374	2.378	.375	S	*471131	47
2.004	2.004	.437	S	*450522	45	2.374	2.378	.375	N	*471131N	47
2.047	2.051	.312	S	472642	47	2.374	2.378	.375	S	*481131	48
2.047	2.051	.312	V	472642V	47	2.374	2.378	.437	S	*411302	41
2.047	2.052	.330	N	4529N	68	2.374	2.378	.500	N	3116	71
2.062	2.066	.375	S	*450774	45	2.374	2.378	.500	N	3116N	71
2.062	2.066	.375	S	470774	47	2.374	2.378	.500	S	*410055	41
2.062	2.066	.375	N	*470774N	47	2.374	2.378	.500	S	*450055	45
2.062	2.066	.375	V	470774V	47	2.374	2.378	.500	N	*450055N	45
2.062	2.066	.375	S	*480774	48	2.374	2.378	.500	V	*450055V	45
2.062	2.066	.437	S	*50403	5S	2.374	2.378	.500	S	*470055	47
2.062	2.066	.437	S	*410403	41	2.374	2.378	.500	N	470055N	47
2.062	2.066	.437	S	*450403	45	2.374	2.378	.500	S	480055	48
2.062	2.066	.437	S	470403	47	2.374	2.378	.750	S	*412691	41
2.062	2.066	.437	S	*480403	48	2.437	2.441	.250	S	6241S	48
2.062	2.066	.437	H	*480403H	48	2.437	2.441	.250	S	*7769	48
2.062	2.066	.437	N	*480403N	48	2.437	2.441	.250	S	*40061S	4S
2.062	2.066	.437	V	*480403V	48	2.437	2.441	.375	S	470950	47
2.062	2.072	.250	S	6760S	35	2.437	2.441	.375	S	*480950	48
2.082	2.087	.312	S	*473304	47	2.437	2.441	.375	N	*480950N	48
2.106	2.110	.312	S	472287	47	2.437	2.441	.468	S	*410061	41
2.106	2.110	.468	S	*410153	41	2.437	2.441	.468	S	*450061	45
2.106	2.110	.468	S	*450153	45	2.437	2.441	.468	S	*470061	47
2.106	2.110	.468	N	*450153N	45	2.437	2.441	.468	S	*480061	48
2.125	2.129	.312	V	471192V	47	2.437	2.441	.468	N	*480061N	48
2.125	2.129	.312	S	471192	47	2.441	2.445	.375	S	471276	47
2.125	2.129	.312	N	*471192N	47	2.441	2.445	.375	N	*471276N	47
2.125	2.129	.312	S	*481192	48	2.441	2.445	.375	V	471276V	47
2.125	2.129	.312	H	*481192H	48	2.441	2.445	.375	S	*481276	48
2.125	2.129	.375	T	39140	94	2.502	2.506	.250	L	7245	4L
2.125	2.129	.375	S	*482576	48	2.502	2.506	.375	S	471835	47

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW ♦ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.375" (1-3/8") SHAFT (cont.)						35,00mm (1.378") SHAFT (cont.)					
2.502	2.506	.375	S	*481835	48	-	-	.512	99139	Redi-Sleeve	
2.502	2.506	.500	S	*410444	41	41,80	42,00	6,00	S	*35X42X6★	32
2.502	2.506	.500	H	*410444H	41	1.646	1.654	.236			
2.502	2.506	.500	S	450444	45	41,80	42,00	8,00	S	*35X42X8★	32
2.502	2.506	.500	S	*470444	47	1.646	1.654	.315			
2.502	2.506	.500	S	*480444	48	43,80	44,00	7,00	S	*35X44X7★	32
2.561	2.565	.375	S	473258	47	1.724	1.732	.276			
2.561	2.565	.500	S	*411847	41	44,00	44,10	7,00	S	710383★	47
2.561	2.565	.500	S	*471847	47	1.732	1.736	.276			
2.561	2.565	.500	N	471847N	47	44,80	45,00	6,00	S	*35X45X6★	32
2.561	2.565	.500	S	*481847	48	1.764	1.772	.236			
2.623	2.627	.250	S	*40504S	4S	44,80	45,00	8,00	S	*35X45X8★	32
2.623	2.627	.375	S	472843	47	1.764	1.772	.315			
2.623	2.627	.500	S	*410504	41	44,80	45,00	10,00	S	*35X45X10★	32
2.623	2.627	.500	S	*450504	45	1.764	1.772	.394			
2.623	2.627	.500	S	*470504	47	44,80	45,00	12,00	S	*35X45X12★	32
2.623	2.627	.500	S	*480504	48	1.764	1.772	.472			
2.686	2.690	.500	S	*50776	5S	45,00	45,15	7,00	S	35X45X7★	35
2.686	2.690	.500	S	*410776	41	1.772	1.778	.276			
2.686	2.690	.500	S	450776	45	45,80	46,00	10,00	S	*35X46X10★	32
2.686	2.690	.500	S	*470776	47	1.803	1.811	.394			
2.686	2.690	.500	S	*480776	48	46,30	46,50	8,00	S	*35X46.5X8★	32
2.716	2.720	.468	S	*410456	41	1.823	1.831	.315			
2.716	2.720	.468	S	450456	45	46,80	47,00	7,50	S	*35X47X7.5★	32
2.717	2.723	.375	S	323125	32	1.842	1.850	.295			
2.750	2.754	.500	S	*410463	41	46,80	47,00	8,00	S	*35X47X8★	32
2.750	2.754	.500	S	450463	45	1.842	1.850	.315			
2.750	2.754	.500	S	*470463	47	46,80	47,00	10,00	S	*35X47X10★	32
2.750	2.754	.500	S	*480463	48	1.842	1.850	.394			
2.835	2.839	.312	S	473197	47	47,00	47,20	7,00	V	*35X47X7V★	32
2.835	2.839	.312	V	*473197V	47	1.850	1.858	.276			
2.835	2.839	.312	N	*483197N	48	47,00	47,23	7,00	S	223510★	35
2.835	2.839	.375	S	472658	47	1.850	1.859	.276			
2.835	2.839	.375	V	*472658V	47	47,00	47,23	7,00	S	35X47X7★	35
2.835	2.839	.468	S	*410452	41	1.850	1.859	.276			
2.835	2.839	.468	S	450452	45	47,00	47,40	7,00	H	1172★➡	32
2.835	2.839	.468	N	*450452N	45	1.850	1.866	.276			
2.835	2.839	.468	S	*470452	47	47,80	48,00	7,00	S	*35X48X7★	32
2.835	2.839	.468	S	*480452	48	1.882	1.890	.276			
2.835	2.839	.468	H	*480452H	48	47,80	48,00	9,00	S	*35X48X9★	32
2.835	2.839	.468	N	*480452N	48	1.882	1.890	.354			
2.835	3.020	.390	S	*7370	48	47,80	48,00	10,00	S	*35X48X10★	32
2.875	2.879	.468	S	*411105	41	1.882	1.890	.394			
2.875	2.879	.468	S	*451105	45	48,00	48,21	7,60	V	320249★➡	32
2.875	2.879	.468	S	471105	47	1.890	1.898	.299			
2.875	2.879	.468	S	*481105	48	48,00	48,20	8,00	S	35X48X8★	32
3.000	3.005	.500	S	*410989	41	1.890	1.898	.315			
3.000	3.005	.500	S	470989	47	48,00	48,20	8,00	S	714436★	32
3.125	3.130	.500	S	450516	45	1.890	1.898	.315			
3.150	3.154	.375	S	471379	47	48,00	48,25	14,00	N	1215★	#
3.350	3.355	.468	S	450492	45	1.890	1.900	.551			
3.500	3.505	.500	S	*455292	45	48,00	48,25	14,00	N	1215N★	#
3.542	3.549	.397	N	4532N➡	93	1.890	1.900	.551			
3.543	3.548	.500	S	*413638	41	48,00	48,28	15,00	S	710051★&	86
1.377" SHAFT						1.890	1.901	.591			
-	-	-	S	800350	VRS1	48,00	48,40	7,00	V	1108★➡	32
-	-	-	V	800354	VRS1	1.890	1.906	.276			
-	-	-	V	800355	VRS2	48,80	49,00	6,00	S	*35X49X6★	32
-	-	.313		99133	Redi-Sleeve	1.921	1.929	.236			
-	-	.500		99138	Redi-Sleeve	48,80	49,00	8,00	S	*35X49X8★	32
-	-	.512		99139	Redi-Sleeve	1.921	1.929	.315			
2.162	2.167	.744	N	4614N➡➡	87	49,00	49,30	8,00	S	710178★	#
2.874	2.881	.693	N	4613N➡➡	57	1.929	1.941	.315			
35,00mm (1.378") SHAFT						49,21	49,63	6,00	N	1987★	33
-	-	-	S	800350	VRS1	1.937	1.954	.236			
-	-	-	V	800354	VRS1	49,30	49,50	10,00	S	*35X49.5X10★	32
-	-	-	V	800355	VRS2	1.941	1.949	.394			
						49,60	49,83	11,00	N	1940★➡	32
						1.953	1.962	.433			
						49,80	50,00	9,00	S	*35X50X9★	32
						1.961	1.969	.354			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡ Hydrodynamic Lip Design-CCW
➡➡ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
35,00mm (1.378") SHAFT (cont.)						35,00mm (1.378") SHAFT (cont.)					
49,80	50,00	10,00	S	*35X50X10★	32	54,00	54,30	8,00	V	1119★➡	32
1.961	1.969	.394				2.126	2.138	.315			
49,80	50,00	11,00	S	*35X50X11★	32	54,75	55,00	7,00	S	*35X55X7★	32
1.961	1.969	.433				2.155	2.165	.276			
50,00	50,20	7,00	S	35X50X7★	32	54,75	55,00	9,00	S	*35X55X9★	32
1.969	1.976	.276				2.155	2.165	.354			
50,00	50,20	8,00	V	*35X50X8V★	32	54,75	55,00	10,00	S	*35X55X10★	32
1.969	1.976	.315				2.155	2.165	.394			
50,00	50,20	8,00	H	710329★◄	32	54,75	55,00	12,00	S	*35X55X12★	32
1.969	1.976	.315				2.155	2.165	.472			
50,00	50,20	11,00	S	710324★◄	32	54,89	55,04	14,66	H	3543★◄➡	57
1.969	1.976	.433				2.161	2.167	.577			
50,00	50,24	8,00	S	35X50X8★	35	55,00	55,18	8,00	S	473823★	47
1.969	1.978	.315				2.165	2.172	.315			
50,00	50,24	8,00	S	223520★	35	55,00	55,20	10,00	V	*35X55X10V★	32
1.969	1.978	.315				2.165	2.173	.394			
50,00	50,25	10,00	H	*1980★➡	32	55,00	55,10	8,00	S	35X55X8★	47
1.969	1.978	.394				2.165	2.174	.315			
50,00	50,24	12,00	N	*1169★	32	55,00	55,23	11,00	S	35X55X11★	32
1.969	1.978	.472				2.165	2.174	.433			
50,00	50,28	11,50	N	710111★◄	#	55,00	55,23	11,00	N	223542★	32
1.969	1.980	.453				2.165	2.174	.433			
50,00	50,34	7,00	H	3771★➡	35	55,00	55,30	11,00	S	*1171★	32
1.969	1.982	.276				2.165	2.177	.433			
50,00	50,34	7,00	V	713771★➡	35	55,00	55,45	8,00	N	223540★◄➡	40
1.969	1.982	.276				2.165	2.183	.315			
50,75	51,00	7,00	S	*35X51X7★	32	55,75	56,00	5,80	S	*35X56X5.8★	32
1.998	2.008	.276				2.195	2.205	.228			
50,75	51,00	8,00	S	*35X51X8★	32	55,75	56,00	12,00	S	*35X56X12★	32
1.998	2.008	.315				2.195	2.205	.472			
50,75	51,00	10,00	S	*35X51X10★	32	56,00	56,10	16,00	V	710218★	#
1.998	2.008	.394				2.205	2.209	.630			
51,75	52,00	9,00	S	*35X52X9★	32	56,00	56,20	8,00	S	35X56X8★	35
2.037	2.047	.354				2.205	2.213	.315			
51,75	52,00	10,00	S	*35X52X10★	32	56,00	56,20	8,00	N	710314★◄	40
2.037	2.047	.394				2.205	2.213	.315			
51,75	52,00	11,00	S	*35X52X11★	32	56,00	56,20	8,00	S	710315★➡	40
2.037	2.047	.433				2.205	2.213	.315			
51,75	52,00	12,00	S	*35X52X12★	32	56,00	56,20	9,00	S	710396★◄➡	40
2.037	2.047	.472				2.205	2.213	.354			
52,00	52,10	7,90	S	*484063★	48	56,00	56,20	10,00	V	*35X56X10V★	35
2.047	2.051	.311				2.205	2.213	.394			
52,00	52,13	8,00	S	35X52X8★	33	56,00	56,27	10,00	S	35X56X10★	32
2.047	2.052	.315				2.205	2.215	.394			
52,00	52,13	8,00	S	223535★	33	56,00	56,27	10,00	S	223543★	32
2.047	2.052	.315				2.205	2.215	.394			
52,00	52,13	8,00	N	*4052★➡	47	56,00	56,27	10,00	S	*320857★	32
2.047	2.052	.315				2.205	2.215	.394			
52,00	52,13	8,50	S	*1077★	33	56,00	56,30	9,00	S	2007★➡	#
2.047	2.052	.335				2.205	2.217	.354			
52,00	52,20	7,00	S	35X52X7★	32	56,00	56,30	9,00	S	2007N★➡	#
2.047	2.055	.276				2.205	2.217	.354			
52,00	52,25	10,00	S	1170★	32	56,75	57,00	9,00	S	*35X57X9★	32
2.047	2.057	.394				2.234	2.244	.354			
52,00	52,35	7,75	N	3655★➡	32	56,75	57,00	10,00	S	*35X57X10★	32
2.047	2.061	.305				2.234	2.244	.394			
52,00	52,35	7,75	N	713655★◄	32	56,90	57,05	18,64	N	*4150N★◄➡	#
2.047	2.061	.305				2.240	2.246	.734			
53,26	53,67	7,75	N	4040N★◄	32	56,90	57,05	19,41	N	710096★◄➡	74
2.097	2.113	.305				2.240	2.246	.764			
53,75	54,00	10,00	S	*35X54X10★	32	57,00	57,30	15,27	S	100165★	#
2.116	2.126	.394				2.244	2.246	.601			
54,00	54,10	8,00	S	710217★	#	57,75	58,00	9,00	S	*35X58X9★	32
2.126	2.130	.315				2.273	2.283	.354			
54,00	54,10	9,00	N	710199★◄➡	#	57,75	58,00	12,00	S	*35X58X12★	32
2.126	2.130	.354				2.273	2.283	.472			
54,00	54,20	8,00	S	35X54X8★	35	57,75	58,00	13,00	S	*35X58X13★	32
2.126	2.134	.315				2.273	2.283	.512			
54,00	54,20	8,00	V	710331★◄	32	57,75	58,00	18,00	S	*35X58X18★	32
2.126	2.134	.315				2.273	2.283	.709			
54,00	54,20	10,00	V	*35X54X10V★	35	58,00	58,10	10,00	S	223550★	45
2.126	2.134	.394				2.283	2.287	.394			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄➡ Hydrodynamic Lip Design-Bidirectional ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
35,00mm (1.378") SHAFT (cont.)						35,00mm (1.378") SHAFT (cont.)					
58,00	58,14	11,90	S	*1086★	33	67,00	67,27	12,00	N	1173★	32
2,283	2,289	.469				2,638	2,648	.472			
58,00	58,28	10,00	S	35X58X10★	35	67,75	68,00	6,00	S	*35X68X6★	32
2,283	2,294	.394				2,667	2,677	.236			
58,75	59,00	12,00	S	*35X59X12★	32	68,00	68,16	9,00	S	223580★➡	40
2,313	2,323	.472				2,677	2,683	.354			
59,75	60,00	8,00	S	*35X60X8★	32	68,00	68,20	9,00	N	710336★◄	40
2,352	2,362	.315				2,677	2,685	.354			
59,75	60,00	11,00	S	*35X60X11★	32	68,00	68,20	10,00	V	*35X68X10V★	35
2,352	2,362	.433				2,677	2,685	.394			
59,75	60,00	12,00	S	*35X60X12★	32	68,00	68,23	10,00	S	*35X68X10★	35
2,352	2,362	.472				2,677	2,686	.394			
60,00	60,23	10,00	S	35X60X10★	35	68,00	68,23	12,50	N	*1140★	32
2,362	2,371	.394				2,677	2,686	.492			
60,00	60,23	10,00	S	223551★	35	69,00	69,20	8,00	S	*35X69X8★	32
2,362	2,371	.394				2,717	2,724	.315			
60,00	60,23	10,00	S	710424★	35	69,75	70,00	10,00	S	*35X70X10★	32
2,362	2,371	.394				2,746	2,756	.394			
60,00	60,30	12,00	S	710201★	47	70,00	70,20	8,00	S	35X70X8★	32
2,362	2,374	.472				2,756	2,764	.315			
61,75	62,00	6,00	S	*35X62X6★	32	71,75	72,00	7,00	S	*35X72X7★	32
2,431	2,441	.236				2,825	2,835	.276			
61,75	62,00	8,00	S	*35X62X8★	32	71,75	72,00	11,00	S	*35X72X11★	32
2,431	2,441	.315				2,825	2,835	.433			
61,75	62,00	8,00	S	*35X62X8★	32	71,75	72,00	12,00	S	*35X72X12★	32
2,431	2,441	.315				2,825	2,835	.472			
61,75	62,00	9,50	S	*35X62X9.5★	32	72,00	72,20	8,00	S	35X72X8★	32
2,431	2,441	.374				2,835	2,843	.315			
61,75	62,00	11,00	S	*35X62X11★	32	72,00	72,20	10,00	V	*35X72X10V★	35
2,431	2,441	.433				2,835	2,843	.394			
61,75	62,00	12,00	S	*35X62X12★	32	72,00	72,28	10,00	S	35X72X10★	35
2,431	2,441	.472				2,835	2,846	.394			
62,00	62,20	7,00	V	*35X62X7V★	35	72,00	72,28	10,00	S	710360★	35
2,441	2,449	.276				2,835	2,846	.394			
62,00	62,20	10,00	S	35X62X10★	35	74,75	75,00	8,00	S	*35X75X8★	32
2,441	2,449	.394				2,943	2,953	.315			
62,00	62,28	7,00	S	35X62X7★	32	76,00	76,28	9,00	N	1147★➡	32
2,441	2,452	.276				2,992	3,003	.354			
62,00	62,28	8,00	N	4901★◄➡	40	76,00	76,30	12,50	N	1136★◄	30
2,441	2,452	.315				2,992	3,004	.492			
62,00	62,28	9,00	N	223553★➡	40	78,00	78,20	8,00	S	*35X78X8★	32
2,441	2,452	.354				3,071	3,079	.315			
62,00	62,28	9,50	S	223552★	32	79,72	80,00	10,00	S	*35X80X10★	32
2,441	2,452	.374				3,139	3,150	.394			
63,00	63,20	9,00	S	710138★◄➡	40	79,72	80,00	12,00	S	*35X80X12★	32
2,480	2,488	.354				3,139	3,150	.472			
63,00	63,28	10,00	S	710419★	#	79,72	80,00	13,00	S	*35X80X13★	32
2,480	2,491	.394				3,139	3,150	.512			
63,00	63,28	10,00	S	223554★	#	80,00	80,20	8,00	S	35X80X8★	32
2,480	2,491	.394				3,150	3,150	.315			
63,45	63,55	7,92	S	*6952S★	#	81,72	82,00	7,00	S	*35X82X7★	32
2,498	2,502	.312				3,217	3,228	.276			
63,50	63,83	11,05	S	7687S★	#						
2,500	2,513	.435									
63,75	64,00	12,00	S	*35X64X12★	32						
2,510	2,520	.472									
63,75	64,00	13,00	S	*35X64X13★	32						
2,510	2,520	.512									
64,00	64,13	8,00	N	35X64X8★	47			.512		99139	Redi-Sleeve
2,520	2,525	.315				2,288	2,291	.750	V	710429	87
64,00	64,13	8,00	N	223555★	47						
2,520	2,525	.315									
64,00	64,14	9,50	N	*474125N★	47						
2,520	2,525	.374									
64,75	65,00	12,00	S	*35X65X12★	32						
2,549	2,559	.472									
65,00	65,20	8,00	S	35X65X8★	32						
2,559	2,567	.315				2,250	2,254	.250	S	470672	47
65,00	65,20	10,00	S	35X65X10★	32	2,290	2,294	.500	S	710166	74
2,559	2,567	.394				2,292	2,296	.460	S	*3237◄➡	33
65,00	65,20	12,00	S	710335★	32	2,292	2,296	.460	S	8660S◄➡	48
2,559	2,567	.472				2,292	2,296	.500	L	8660L**	5L
						2,482	2,750	.310	V	4795V◄➡	74

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW
 ◄➡ Hydrodynamic Lip Design-Bidirectional ** Canada Only * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.399" SHAFT (cont.)						36,00mm (1.417") SHAFT (cont.)					
2.484	2.489	.280	V	714558	#	52,00	52,20	10,00	S	223608	32
2.484	2.489	.500	V	714559	74	2,047	2,055	.394			
1.400" SHAFT						53,75	54,00	7,00	S	*36X54X7	32
—	—	—	S	800350	VRS1	2,116	2,126	.276			
—	—	—	V	800354	VRS1	53,75	54,00	10,00	S	*36X54X10	32
—	—	—	V	800355	VRS2	2,116	2,126	.394			
1.969	2.000	.250	F	1110	#	54,00	54,20	7,50	V	*36X54X8V	35
2.282	2.288	.547	V	4857	86	2,126	2,134	.295			
2.478	2.486	.521	S	*710066&	83	54,00	54,20	7,50	S	36X54X7.5	35
1.406" (1-13/32") SHAFT						2,126	2,134	.295			
—	—	—	S	800350	VRS1	54,00	54,20	8,00	S	36X54X8	35
—	—	—	V	800354	VRS1	2,126	2,134	.315			
—	—	—	V	800355	VRS2	54,00	54,28	7,00	N	710197	40
2.125	2.129	.437	L	50126	5L	2,126	2,137	.276			
36,00mm (1.417") SHAFT						54,00	54,28	7,50	S	223610	35
—	—	—	S	800350	VRS1	2,126	2,137	.295			
—	—	—	V	800354	VRS1	54,75	55,00	10,00	S	*36X55X10	32
—	—	—	V	800355	VRS2	2,155	2,165	.394			
—	—	.518		99146	Redi-Sleeve	54,75	55,00	12,00	S	*36X55X12	32
43,80	44,00	5,00	S	*36X44X5	32	2,155	2,165	.472			
1,724	1,732	.197				55,00	55,09	6,50	S	2003	47
44,00	44,23	5,00	S	710252	32	2,165	2,169	.256			
1,732	1,741	.197				55,00	55,09	6,50	S	2003N	47
45,80	46,00	6,00	S	*36X46X6	32	2,165	2,169	.256			
1,803	1,811	.236				55,00	55,09	6,50	S	*474113	47
45,80	46,00	9,00	S	*36X46X9	32	2,165	2,169	.256			
1,803	1,811	.354				55,00	55,09	6,50	S	*474121	47
46,00	46,10	9,00	S	710343	33	2,165	2,170	.374			
1,811	1,815	.354				55,75	56,00	12,00	S	*36X56X12	32
46,80	47,00	8,00	S	*36X47X8	32	2,195	2,205	.472			
1,842	1,850	.315				56,00	56,25	10,00	S	36X56X10	35
47,00	47,20	7,00	S	36X47X7	35	2,205	2,215	.394			
1,850	1,858	.276				2,250	2,254	.250	S	474127	47
47,00	47,20	7,00	S	223601	35	58,00	58,25	8,00	S	36X58X8	47
1,850	1,858	.276				2,283	2,293	.315			
47,80	48,00	7,00	S	*36X48X7	32	58,00	58,30	8,00	S	474288	47
1,882	1,890	.276				2,283	2,293	.472			
47,80	48,00	10,00	S	*36X48X10	32	58,00	58,23	12,00	S	36X58X12	35
1,882	1,890	.394				2,283	2,293	.315			
48,80	49,00	7,00	S	*36X49X7	32	59,75	60,00	6,00	S	*36X60X6	32
1,921	1,929	.276				2,352	2,362	.236			
49,00	49,28	7,00	N	223602	32	60,00	60,20	7,00	S	36X60X7	32
1,929	1,940	.276				2,362	2,370	.276			
49,61	49,81	7,01	N	321417N	32	60,00	60,20	8,00	V	1965	48
1,953	1,961	.276				2,362	2,370	.315			
49,80	50,00	10,00	S	*36X50X10	32	61,75	62,00	10,00	S	*36X62X10	32
1,961	1,969	.394				2,431	2,441	.394			
50,00	50,08	7,00	S	36X50X7	47	62,00	62,28	7,00	S	36X62X7	32
1,969	1,972	.276				2,441	2,452	.276			
50,00	50,08	7,00	S	223605	47	63,25	63,50	13,00	S	*36X63.5X13	32
1,969	1,972	.276				2,490	2,500	.512			
50,00	50,08	7,00	S	*474097	47	64,00	64,20	11,00	S	710152	#
1,969	1,972	.276				2,520	2,528	.433			
50,00	50,20	8,00	S	710341	32	65,00	65,20	8,00	S	710057	48
1,969	1,976	.315				2,559	2,567	.315			
50,75	51,00	7,00	S	*36X51X7	32	2,614	2,629	.500	S	*9342S	48
1,998	2,008	.276				68,00	68,18	8,00	S	223620	48
51,75	52,00	8,00	S	*36X52X8	32	2,677	2,684	.315			
2,037	2,047	.315				68,00	68,28	10,00	S	36X68X10	35
51,75	52,00	10,00	S	*36X52X10	32	2,677	2,688	.394			
2,037	2,047	.394				70,00	70,20	8,00	S	*36X70X8	32
52,00	52,20	7,00	S	36X52X7	35	2,756	2,764	.315			
2,047	2,055	.276				72,00	72,20	8,00	S	*36X72X8	32
52,00	52,20	7,00	V	*36X52X7V	32	2,835	2,843	.315			
2,047	2,055	.276				1.437" (1-7/16") SHAFT					
						—	—	—	S	800381	VRS2
						—	—	—	V	800385	VRS2
						—	—	.375		99144	Redi-Sleeve
						—	—	.563		99143	Redi-Sleeve

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use

◆ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW

◆ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.437" (1-7/16") SHAFT (cont.)						1.437" (1-7/16") SHAFT (cont.)					
2.000	2.004	.437	S	*410930	41	2.750	2.754	.500	S	*450808	45
2.000	2.004	.437	N	*410930N	41	2.750	2.754	.500	S	*470808	47
2.000	2.004	.437	S	*450930	45	2.750	2.754	.500	S	*480808	48
2.000	2.006	.125	S	340930	34	3.000	3.005	.500	S	471405	47
2.059	2.065	.315	T	*712141➔	32	1.440" SHAFT					
2.061	2.066	.312	S	3395	47	—	—	—	S	800381	VRS2
2.061	2.066	.312	S	*474090	47	—	—	—	V	800385	VRS2
2.062	2.066	.375	S	*482422	48	—	—	.375		99144	Redi-Sleeve
2.062	2.068	.250	S	352444	35	2.061	2.075	.315	H	3394➔	32
2.125	2.129	.312	S	473224	47	2.756	2.764	.551	N	*712134	35
2.125	2.129	.437	S	*410453	41	37,00mm (1.457") SHAFT					
2.125	2.129	.437	N	*410453N	41	—	—	—	S	800381	VRS2
2.125	2.129	.437	V	*410453V	41	—	—	—	V	800385	VRS2
2.125	2.129	.437	S	*450453	45	—	—	.375		99145	Redi-Sleeve
2.125	2.129	.437	N	*450453N	45	0,00	55,52	8,01	S	710524★	47
2.125	2.129	.437	S	*470453	47	.000	2.186	.315			
2.125	2.129	.437	N	*470453N	47	46,80	47,00	10,00	S	*37X47X10★	32
2.125	2.129	.437	S	*480453	48	1.842	1.850	.394			
2.125	2.129	.437	N	*480453N	48	50,00	50,25	6,00	N	223750★➔	32
2.188	2.192	.480	S	*9249	47	1.969	1.978	.236			
2.250	2.254	.312	S	473016	47	50,50	50,70	7,00	N	710355★➔	32
2.250	2.254	.312	N	*473016N	47	1.988	1.996	.276			
2.250	2.254	.500	S	*410171	41	52,00	52,15	6,00	S	710149★	#
2.250	2.254	.500	S	*470171	47	2.047	2.053	.236			
2.250	2.254	.500	H	*470171H	47	52,00	52,28	8,00	S	37X52X8★	35
2.250	2.254	.500	N	*470171N	47	2.047	2.058	.315			
2.250	2.254	.500	S	*480171	48	52,75	53,00	7,00	S	*37X53X7★	32
2.312	2.316	.375	S	472655	47	2.077	2.087	.276			
2.374	2.378	.312	S	473225	47	54,75	55,00	8,00	S	*37X55X8★	32
2.374	2.378	.375	S	*471809	47	2.155	2.165	.315			
2.374	2.378	.375	S	*481809	48	56,00	56,20	12,50	V	710259★➔➔	32
2.374	2.378	.500	S	*410057	41	2.205	2.213	.492			
2.374	2.378	.500	S	*450057	45	56,75	57,00	10,00	S	*37X57X10★	32
2.374	2.378	.500	V	*450057V	45	2.234	2.244	.394			
2.374	2.378	.500	S	*470057	47	57,75	58,00	7,00	S	*37X58X7★	32
2.374	2.378	.500	S	*480057	48	2.273	2.283	.276			
36,50mm (1.437") SHAFT						57,75	58,00	10,00	S	*37X58X10★	32
61,75	62,00	7,00	S	*36.5X62X7★	32	2.273	2.283	.394			
2.431	2.441	.276				57,75	58,00	13,00	S	*37X58X13★	32
1.437" (1-7/16") SHAFT						2.273	2.283	.512			
2.437	2.441	.250	S	*6966S	44	58,00	58,10	10,00	S	710353★➔	66
2.437	2.441	.312	S	474264	47	2.283	2.287	.394			
2.437	2.441	.468	S	*410062	41	62,00	62,23	10,00	S	710228★	40
2.437	2.441	.468	S	*450062	45	2.441	2.450	.394			
2.437	2.441	.468	S	470062	47	63,75	64,00	13,00	S	*37X64X13★	32
2.437	2.441	.468	S	*480062	48	2.510	2.520	.512			
2.441	2.445	.374	S	4989	#	78,00	78,30	12,00	S	239134★	#
2.441	2.445	.375	S	481826	48	3.071	3.083	.472			
2.500	2.508	.687	S	*8673	25	1.460" SHAFT					
2.502	2.506	.312	S	473226	47	—	—	—	S	800381	VRS2
2.502	2.506	.500	S	*410144	41	—	—	—	V	800385	VRS2
2.502	2.506	.500	S	*450144	45	—	—	.375		99145	Redi-Sleeve
2.502	2.506	.500	S	*470144	47	2.077	2.034	.070	S	*8733	#
2.502	2.506	.500	S	*480144	48	1.465" SHAFT					
2.502	2.506	.500	V	*480144V	48	—	—	—	S	800381	VRS2
2.623	2.627	.375	S	473437	47	—	—	—	V	800385	VRS2
2.623	2.627	.500	S	*410122	41	2.372	2.374	.433	S	710426	#
2.623	2.627	.500	H	*410122H	41	2.372	2.374	1.508	N	710441&	#
2.623	2.627	.500	S	*450122	45	1.468" (1-15/32") SHAFT					
2.623	2.627	.500	S	*470122	47	—	—	—	S	800381	VRS2
2.623	2.627	.500	S	*480122	48	—	—	—	V	800385	VRS2
2.686	2.690	.250	S	*43088S	4S	—	—	—			
2.686	2.690	.375	S	471862	47	—	—	—	S	800381	VRS2
2.686	2.690	.500	S	*410746	41	—	—	—	V	800385	VRS2
2.686	2.690	.500	S	*450746	45	—	—	—			
2.686	2.690	.500	S	*470746	47	—	—	—			
2.686	2.690	.500	S	*480746	48	—	—	—			
2.750	2.754	.500	S	*410808	41	—	—	—			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ➔➔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.468" (1-15/32") SHAFT (cont.)						38,00mm (1.496") SHAFT (cont.)					
2.374	2.378	.500	S	*450058	45	50,00	50,25	7,00	S	38X50X7★	35
2.374	2.378	.500	S	*480058	48	1.969	1.978	.276			
2.374	2.378	.500	N	*480058N	48	50,00	50,28	8,00	S	223801★	32
2.375	2.379	.375	S	473438	47	1.969	1.980	.315			
2.437	2.441	.375	S	473439	47	50,00	50,28	10,50	N	223800★➔	32
2.437	2.441	.468	S	*450255	45	1.969	1.980	.413			
1.473" SHAFT						50,75	51,00	7,00	S	*38X51X7★	32
—	—	—	S	800381	VRS2	1.998	2.008	.276			
—	—	—	V	800385	VRS2	51,75	52,00	6,00	S	*38X52X6★	32
1.971	1.979	.562	S	7235S	32	2.037	2.047	.236			
1.476" SHAFT						51,75	52,00	8,00	S	*38X52X8★	32
1.493	2.447	.620	S	*8097%	39	2.037	2.047	.315			
1.479" SHAFT						51,75	52,00	9,00	S	*38X52X9★	32
—	—	—	S	800381	VRS2	2.037	2.047	.354			
—	—	—	V	800385	VRS2	51,75	52,00	10,00	S	*38X52X10★	32
2.563	2.567	.470	S	710304	#	2.037	2.047	.394			
1.484" SHAFT						52,00	52,20	6,00	S	710309★	#
—	—	—	S	800381	VRS2	2.047	2.055	.236			
—	—	—	V	800385	VRS2	52,00	52,20	7,00	V	*38X52X7★	32
2.254	2.258	.250	L	40468	4L	2.047	2.055	.276			
2.254	2.258	.312	L	50468	5L	52,00	52,20	9,00	S	239128★	#
1.491" SHAFT						2.047	2.055	.354			
—	—	—	S	800381	VRS2	52,00	52,25	6,00	S	1196★	47
—	—	—	V	800385	VRS2	2.047	2.057	.236			
—	—	.512		99147	Redi-Sleeve	52,00	52,25	8,50	S	38X52X8.5★	32
2.191	2.195	.250	S	8597S	48	2.047	2.057	.335			
1.494" SHAFT						52,00	52,25	8,50	S	38X52X8.5★	32
—	—	—	S	800381	VRS2	2.047	2.057	.335			
—	—	—	V	800385	VRS2	52,00	52,25	8,50	S	*320833★	32
—	—	.512		99147	Redi-Sleeve	2.047	2.057	.335			
1.875	1.879	.187	S	*483643	48	52,00	52,30	8,00	H	1966★➔	35
38,00mm (1.496") SHAFT						2.047	2.059	.315			
—	—	—	S	800381	VRS2	52,04	52,15	6,35	S	3357★&	283
—	—	—	V	800385	VRS2	2.049	2.053	.250			
—	—	.512		99147	Redi-Sleeve	52,27	52,40	6,35	S	482415★	48
0,00	59,99	11,00	S	710509★	#	2.058	2.063	.250			
.000	2.362	.433				52,35	52,60	6,00	S	*38X52.6X6★	32
46,80	47,00	7,00	S	*38X47X7★	32	2.061	2.071	.236			
1.842	1.850	.276				52,91	53,01	8,26	S	*293751★	29
47,00	47,10	7,00	S	223805★	25	2.083	2.087	.325			
1.850	1.854	.276				53,00	0,00	8,00	S	223822★	32
47,00	47,25	8,00	S	*38X47X8★	25	2.087	.000	.315			
1.850	1.860	.315				53,00	53,20	8,00	S	38X53X8★	32
47,80	48,00	6,00	S	*38X48X6★	32	2.087	2.094	.315			
1.882	1.890	.236				53,00	53,30	8,00	V	1120★◀	32
47,80	48,00	7,00	S	*38X48X7★	32	2.087	2.098	.315			
1.882	1.890	.276				54,00	54,10	25,00	T	39875★➔	#
47,80	48,00	10,00	S	*38X48X10★	32	2.126	2.130	.984			
1.882	1.890	.394				54,00	54,18	7,00	S	38X54X7★	48
49,80	50,00	8,00	S	*38X50X8★	32	2.126	2.133	.276			
1.961	1.969	.315				54,00	54,18	10,00	S	38X54X10★	32
49,80	50,00	10,00	S	*38X50X10★	32	2.126	2.133	.394			
1.961	1.969	.394				54,00	54,20	10,00	V	*38X54X10V★	35
50,00	50,20	7,00	V	*38X50X7V★	35	2.126	2.134	.394			
1.969	1.976	.276				54,00	54,30	7,00	S	239146★	48
50,00	50,25	6,00	N	223802★➔	32	2.126	2.138	.276			
1.969	1.978	.236				54,75	55,00	6,00	S	*38X55X6★	32
						2.155	2.165	.236			
						54,75	55,00	8,00	S	*38X55X8★	32
						2.155	2.165	.315			
						54,75	55,00	9,00	S	*38X55X9★	32
						2.155	2.165	.354			
						54,75	55,00	10,00	S	*38X55X10★	32
						2.155	2.165	.394			
						55,00	55,23	7,00	N	38X55X7★	32
						2.165	2.174	.276			
						55,00	55,28	7,00	N	223830★	35
						2.165	2.176	.276			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
38,00mm (1.496") SHAFT (cont.)						38,00mm (1.496") SHAFT (cont.)					
55,00	55,30	9,00	N	223831★➡	32	65,00	65,20	8,00	S	710435★	32
2,165	2,177	.354				2,559	2,567	.315			
55,75	56,00	7,00	S	*38X56X7★	32	65,00	65,27	12,00	N	1176★	#
2,195	2,205	.276				2,559	2,570	.472			
55,75	56,00	12,00	S	*38X56X12★	32	68,00	68,20	8,00	S	38X68X8★	32
2,195	2,205	.472				2,677	2,685	.315			
56,00	56,20	10,00	V	*38X56X10V★	35	68,00	68,20	8,00	S	710165★	#
2,205	2,213	.394				2,677	2,685	.315			
56,00	56,28	10,00	S	38X56X10★	32	68,00	68,20	10,00	S	38X68X10★	32
2,205	2,216	.394				2,677	2,685	.394			
56,75	57,00	10,00	S	*38X57X10★	32	70,00	70,20	10,00	S	38X70X10★	35
2,234	2,244	.394				2,756	2,764	.394			
57,75	58,00	7,00	S	*38X58X7★	32	71,75	72,00	12,00	S	*38X72X12★	32
2,273	2,283	.276				2,825	2,835	.472			
57,75	58,00	10,00	S	*38X58X10★	32	72,00	72,20	10,00	S	38X72X10★	35
2,273	2,283	.394				2,835	2,843	.394			
57,75	58,00	11,00	S	*38X58X11★	32	74,00	74,20	8,00	S	38X74X8★	32
2,273	2,283	.433				2,913	2,921	.315			
58,00	58,10	11,00	S	710319★	47	74,00	74,20	11,00	N	38X74X11★	32
2,283	2,287	.433				2,913	2,921	.433			
58,00	58,11	8,00	S	38X58X8★	47	74,00	74,27	11,00	N	1177★	32
2,283	2,288	.315				2,913	2,924	.433			
58,00	58,11	8,00	S	223840★	47	74,00	74,27	11,00	S	*320834★	32
2,283	2,288	.315				2,913	2,924	.433			
58,00	58,11	8,00	V	223842★	48	75,00	75,20	8,00	S	*38X75X8★	32
2,283	2,288	.315				2,953	2,961	.315			
58,00	58,11	8,00	S	*474119★	47	78,00	78,20	8,00	S	*38X78X8★	32
2,283	2,288	.315				3,071	3,079	.315			
58,00	58,20	10,00	N	710139★	#	79,72	80,00	10,00	S	*38X80X10★	32
2,283	2,291	.394				3,139	3,150	.394			
58,00	58,25	11,00	S	1175★➡	32	80,00	80,20	8,00	S	*38X80X8★	32
2,283	2,293	.433				3,150	3,157	.315			
59,00	59,30	9,00	N	1038★➡	32	90,00	90,20	8,00	S	*38X90X8★	32
2,323	2,335	.354				3,543	3,551	.315			
59,75	60,00	9,00	S	*38X60X9★	32	1.497" SHAFT					
2,352	2,362	.354				.000	2,226	.472	N	710510	#
60,00	60,20	8,00	S	38X60X8★	32	1.500" (1-1/2") SHAFT					
2,362	2,370	.315				-	-	-	S	800381	VRS2
60,00	60,20	10,00	V	*38X60X10V★	35	-	-	-	V	800385	VRS2
2,362	2,370	.394				-	-	-	S	800400	VRS1
60,00	60,35	10,00	S	38X60X10★	32	-	-	-	V	800404	VRS1
2,362	2,376	.394				-	-	.375		99150	Redi-Sleeve
60,00	60,35	10,00	S	223843★	35	-	-	.563		99149	Redi-Sleeve
2,362	2,376	.394				1.874	1.879	.250	S	253099	25
60,25	60,50	12,00	S	*38X60.5X12★	32	1.874	1.880	.250	S	343099	34
2,372	2,382	.472				1.875	-	.188	S	710044	#
61,75	62,00	9,00	S	*38X62X9★	32	1.875	1.879	.187	S	*443527	44
2,431	2,441	.354				1.938	1.942	.250	S	42260S	4S
61,75	62,00	10,00	S	*38X62X10★	32	1.938	1.942	.250	S	*312260	31
2,431	2,441	.472				1.983	1.987	.250	L	40382	4L
62,00	62,10	6,00	S	710224★	49	1.983	1.987	.437	S	*452554	45
2,441	2,445	.236				1.983	1.987	.437	N	452554N	45
62,00	62,20	7,00	V	*38X62X7V★	32	1.983	1.987	.437	S	472554	47
2,441	2,449	.276				1.983	1.987	.437	N	*482554N	48
62,00	62,24	13,00	N	710209★	#	1.983	1.988	.187	S	443018	44
2,441	2,450	.512				1.983	1.988	.250	V	474276V	47
62,00	62,28	7,00	S	38X62X7★	32	1.983	1.988	.250	S	474276	47
2,441	2,452	.276				1.989	1.993	.250	L	41257	4L
63,00	63,12	10,00	N	2009★	#	1.989	1.993	.285	S	3677&	287
2,480	2,485	.394				1.997	2,001	.531	S	6759S	1S
63,25	63,50	10,00	S	*38X63.5X10★	32	2,000	-	.250	U	710023	#
2,490	2,500	.394				2,000	2,004	.312	V	481163V	48
64,75	65,00	10,00	S	*38X65X10★	32	2,000	2,004	.312	S	481163	48
2,549	2,559	.394				2,000	2,004	.312	H	*481163H	48
64,75	65,00	11,00	S	*38X65X11★	32	2,000	2,005	.250	N	*492521N	49
2,549	2,559	.433				2,000	2,006	.250	S	352521	32
64,75	65,00	13,00	S	*38X65X13★	32	2,000	2,010	.187	S	240319	24
2,549	2,559	.512									
65,00	65,20	8,00	S	38X65X8★	32						
2,559	2,567	.315									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.500" (1-1/2") SHAFT (cont.)						1.500" (1-1/2") SHAFT (cont.)					
2.000	2.010	.187	N	*240319N	24	2.327	2.332	.406	S	204013	204
2.000	2.010	.219	S	*712139	35	2.328	2.332	.437	S	*472591	47
2.000	2.010	.437	S	*350319	35	2.328	2.332	.437	S	*482591	48
2.048	2.052	.375	S	*472466	47	2.372	2.376	.350	S	*2796	47
2.055	2.065	.276	N	321416	32	2.372	2.376	.420	N	2194	88
2.062	2.066	.240	S	7537S	24	2.372	2.376	1.458	S	7692S	79
2.062	2.066	.240	S	*340980	34	2.374	2.378	.250	N	*3120N	47
2.062	2.066	.250	F	6545	21	2.374	2.378	.250	S	40059S	4S
2.062	2.066	.250	S	*480630	48	2.374	2.378	.312	S	*480380	48
2.062	2.066	.375	N	*470991N	47	2.374	2.378	.375	S	*451308	45
2.062	2.066	.375	S	480991	48	2.374	2.378	.375	S	*471308	47
2.062	2.066	.437	S	*410451	41	2.374	2.378	.375	S	*481308	48
2.062	2.066	.437	S	450451	45	2.374	2.378	.500	S	*2326	47
2.062	2.066	.437	H	*450451H	45	2.374	2.378	.500	N	*2326N	47
2.062	2.066	.437	S	470451	47	2.374	2.378	.500	S	410059	41
2.062	2.066	.437	H	*470451H	47	2.374	2.378	.500	H	*410059H	41
2.062	2.066	.437	S	*480451	48	2.374	2.378	.500	N	*410059N	41
2.125	2.129	.312	S	*473227	47	2.374	2.378	.500	S	*450059	45
2.125	2.129	.312	N	*473227N	47	2.374	2.378	.500	H	*450059H	45
2.125	2.129	.312	V	473227V	47	2.374	2.378	.500	N	*450059N	45
2.125	2.129	.312	S	*483227	48	2.374	2.378	.500	V	*450059V	45
2.125	2.129	.437	S	*50394	5S	2.374	2.378	.500	S	470059	47
2.125	2.129	.437	S	*410394	41	2.374	2.378	.500	H	*470059H	47
2.125	2.129	.437	H	*410394H	41	2.374	2.378	.500	N	*470059N	47
2.125	2.129	.437	N	*410394N	41	2.374	2.378	.500	S	*480059	48
2.125	2.129	.437	S	*450394	45	2.374	2.378	.500	N	*480059N	48
2.125	2.129	.437	N	*450394N	45	2.374	2.378	.710	S	*3680	#
2.125	2.129	.437	V	*450394V	45	2.375	2.378	.312	S	*470380	47
2.125	2.129	.437	S	470394	47	2.375	2.378	.312	V	*470380V	47
2.125	2.129	.437	H	*470394H	47	2.375	2.379	.312	A	470380A	47
2.125	2.129	.437	N	*470394N	47	2.375	2.379	.602	N	9470&	57
2.125	2.129	.437	S	*480394	48	2.377	2.381	.470	N	*7413	71
2.125	2.134	.437	S	350394	35	2.377	2.381	.470	S	9613S	71
2.187	2.187	.500	L	6312%	8L	2.377	2.381	.500	S	*2175	47
2.192	2.196	.250	S	43078S	4S	2.377	2.381	.500	S	472189A	47
2.222	2.226	.312	S	*480844	48	2.385	2.389	.320	S	*8346	#
2.247	2.253	.360	N	*9928H	75	2.437	2.441	.250	S	7886S	48
2.249	2.253	.360	N	331228H	75	2.437	2.441	.250	S	40063S	4S
2.249	2.254	.250	S	5115	47	2.437	2.441	.375	S	*471820	47
2.249	2.254	.280	S	*2205	#	2.437	2.441	.468	S	*410063	41
2.250	-	.500	U	710020	#	2.437	2.441	.468	S	*450063	45
2.250	2.254	.312	S	*470625	47	2.437	2.441	.468	H	*450063H	45
2.250	2.254	.312	A	470625A	47	2.437	2.441	.468	S	*470063	47
2.250	2.254	.312	N	*470625N	47	2.437	2.441	.468	S	*480063	48
2.250	2.254	.312	V	*470625V	47	2.441	2.445	.375	S	*471344	47
2.250	2.254	.312	S	*480625	48	2.441	2.445	.375	S	*481344	48
2.250	2.254	.312	V	480625V	48	2.441	2.445	.500	S	*410814	41
2.250	2.254	.375	S	*450548	45	2.441	2.445	.500	S	*450814	45
2.250	2.254	.375	N	*450548N	45	2.441	2.445	.500	S	*480814	48
2.250	2.254	.375	S	470548	47	2.462	2.482	.290	S	200861%	200E
2.250	2.254	.375	U	710012	#	2.500	2.500	.375	T	710414	#
2.250	2.254	.500	S	*410136	41	2.502	2.506	.250	S	*40067S	4S
2.250	2.254	.500	S	*450136	45	2.502	2.506	.312	V	473228V	47
2.250	2.254	.500	N	*450136N	45	2.502	2.506	.312	S	*473228	47
2.250	2.254	.500	N	*470136	47	2.502	2.506	.312	N	*473228N	47
2.250	2.254	.500	S	*480136	48	2.502	2.506	.312	S	*483228	48
2.250	2.258	.250	S	340136	34	2.502	2.506	.375	L	6426	4L
2.250	2.258	.250	H	*340136H	34	2.502	2.506	.375	S	*471837	47
2.250	2.260	.312	S	322373	32	2.502	2.506	.375	S	481837	48
2.252	2.256	.375	V	*451507V	45	2.502	2.506	.435	L	51098L**	5L
2.252	2.256	.375	S	*471507	47	2.502	2.506	.437	S	51098	48
2.252	2.256	.375	N	*471507N	47	2.502	2.506	.500	S	*410067	41
2.252	2.256	.375	S	*481507	48	2.502	2.506	.500	H	*410067H	41
2.252	2.256	.375	H	*481507H	48	2.502	2.506	.500	S	450067	45
2.252	2.256	.375	N	*481507N	48	2.502	2.506	.500	N	*450067N	45
2.252	2.256	.375	V	*481507V	48	2.502	2.506	.500	S	*470067	47
2.254	2.258	.312	S	*453065	45	2.502	2.506	.500	S	*480067	48
2.256	-	.270	S	200859%	200	2.561	2.565	.500	S	*410190	41
2.260	2.264	.405	S	9363S	41	2.561	2.565	.500	S	*450190	45
2.311	2.315	.500	V	712023	#	2.561	2.565	.500	S	470190	47
2.327	2.332	.406	S	*3428	204	2.561	2.565	.500	S	*480190	48
2.327	2.332	.406	S	203013	203	2.623	2.627	.250	S	41461S	4S

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ⬅ Hydrodynamic Lip Design-CCW ** Canada Only

% External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.500" (1-1/2") SHAFT (cont.)						1.521" SHAFT					
2.623	2.627	.500	S	*411857	41	—	—	—	S	800400	VRS1
2.623	2.627	.500	N	*411857N	41	—	—	—	V	800404	VRS1
2.623	2.627	.500	S	*451857	45	—	—	.438		99152	Redi-Sleeve
2.623	2.627	.500	S	*481857	48	2.656	2.660	.424	S	8610	74
2.686	2.690	.500	S	*410487	41	2.656	2.660	.594	S	8611N	74
2.686	2.690	.500	S	*450487	45	1.523" SHAFT					
2.686	2.690	.500	S	470487	47	—	—	—	S	800400	VRS1
2.686	2.690	.500	N	*470487N	47	—	—	—	V	800404	VRS1
2.686	2.690	.500	S	*480487	48	—	—	.438		99152	Redi-Sleeve
2.716	2.720	.250	S	*43808	4S	2.714	2.718	.500	S	8940S	48
2.716	2.720	.468	S	*410984	41	1.531" (1-17/32") SHAFT					
2.716	2.720	.468	S	*450984	45	—	—	—	S	800400	VRS1
2.750	2.754	.312	S	*473440	47	—	—	—	V	800404	VRS1
2.750	2.754	.500	S	*410461	41	2.374	2.378	.375	S	*452222	45
2.750	2.754	.500	S	450461	45	2.374	2.378	.500	S	*410060	41
2.750	2.754	.500	S	*470461	47	2.374	2.378	.500	V	*410060V	41
2.750	2.754	.500	S	*480461	48	2.374	2.379	.375	S	472222	47
2.758	2.762	.500	S	*410077	41	2.623	2.627	.250	S	*40369S	4S
2.758	2.762	.500	S	*450077	45	2.623	2.627	.500	S	*410369	41
2.758	2.762	.500	N	*450077N	45	39,00mm (1.535") SHAFT					
2.758	2.762	.500	S	470077	47	—	—	—	S	800400	VRS1
2.758	2.762	.500	S	*480077	48	—	—	—	V	800404	VRS1
2.758	2.763	.312	S	*474281	47	0,00	53,20	8,00	N	710451★	32
2.835	2.839	.468	S	471915	47	.000	2,094	.315			
2.875	2.879	.468	S	*410523	41	50,00	50,29	11,00	N	710120★	#
2.875	2.879	.468	S	*450523	45	1.969	1.980	.433			
2.875	2.879	.468	S	*470523	47	50,50	50,75	8,50	S	1126★	25
2.875	2.879	.468	S	*480523	48	1.988	1.998	.335			
2.996	3.001	.500	S	*410326	41	50,75	51,00	7,50	S	*39X51X7.5★	32
2.996	3.001	.500	S	*450326	45	1.998	2.008	.295			
2.996	3.001	.500	S	*470326	47	50,80	51,00	7,50	S	1128★	35
2.996	3.001	.500	S	*480326	48	2.000	2.008	.295			
3.000	3.005	.375	S	*471958	47	52,00	52,10	6,00	S	710338★	66
3.000	3.005	.375	S	*481958	48	2.047	2.051	.236			
3.000	3.005	.500	S	*451235	45	52,00	52,10	11,30	S	1205N★	47
3.125	3.130	.625	S	*210914	21	2.047	2.051	.445			
3.150	3.155	.500	S	*472446	47	52,00	52,30	11,30	S	1205★	47
3.189	3.194	.437	S	450540	45	2.047	2.059	.445			
3.350	3.355	.468	S	*450493	45	54,00	54,10	6,00	S	710404★	49
3.543	3.548	.375	S	*477340	47	2.126	2.130	.236			
3.543	3.548	.500	S	*415308	41	54,75	55,00	9,00	S	*39X55X9★	32
3.544	3.548	.500	S	455308	45	2.155	2.165	.354			
1.502" SHAFT						55,00	55,11	7,50	S	710158★	40
—	—	—	S	800400	VRS1	2.165	2.170	.295			
—	—	—	V	800404	VRS1	55,75	56,00	7,00	S	*39X56X7★	32
—	—	.375		99150	Redi-Sleeve	2.195	2.205	.276			
—	—	.563		99149	Redi-Sleeve	57,00	57,20	17,00	N	710123★	40
2.126	2.132	.492	N	4530	96	2.244	2.252	.669			
2.377	2.381	.374	N	4583	86	57,00	57,20	21,50	N	710122★	40
1.503" SHAFT						2.244	2.252	.846			
—	—	—	S	800400	VRS1	57,00	57,38	9,65	V	324204★	32
—	—	—	V	800404	VRS1	2.244	2.259	.380			
—	—	.375		99150	Redi-Sleeve	58,75	59,00	8,00	S	*39X59X8★	32
—	—	.563		99149	Redi-Sleeve	2.313	2.323	.315			
1.937	1.950	.475	N	710247	#	59,00	59,28	11,00	N	710214★	40
2.374	2.379	.374	N	4934	79	2.323	2.334	.433			
2.376	2.383	.420	N	4370N	88	59,00	59,30	11,00	S	710118★	40
38,50mm (1.516") SHAFT						2.323	2.335	.433			
—	—	—	S	800400	VRS1	64,75	65,00	8,00	S	*39X65X8★	32
—	—	—	V	800404	VRS1	2.549	2.559	.315			
53,00	53,23	8,00	N	710233★	32	1.546" SHAFT					
2.087	2.096	.315				—	—	—	S	800400	VRS1
58,00	58,20	8,50	N	710318★	32	—	—	—	V	800404	VRS1
2.283	2.291	.335				2.375	2.385	.500	S	*712144	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW ♦ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.550" SHAFT						1.562" (1-9/16") SHAFT (cont.)					
-	-	-	S	800400	VRS1	2.374	2.378	.250	S	40438S	4S
-	-	-	V	800404	VRS1	2.374	2.378	.312	S	472299	47
-	-	.438		99155	Redi-Sleeve	2.374	2.378	.312	V	472299V	47
2.686	2.690	.500	S	*3873	#	2.374	2.378	.312	S	*482299	48
2.686	2.690	.500	L	8695L**	5L	2.374	2.378	.312	N	*482299N	48
2.686	2.690	.500	S	8695S↔	47	2.374	2.378	.375	S	*471810	47
1.552" SHAFT						2.374	2.378	.375	V	*471810V	47
-	-	-	S	800400	VRS1	2.374	2.378	.375	S	*481810	48
-	-	-	V	800404	VRS1	2.374	2.378	.500	S	*410438	41
-	-	.438		99155	Redi-Sleeve	2.374	2.378	.500	S	*450438	45
2.447	2.452	.500	S	2922↗	86	2.374	2.378	.500	N	*450438N	45
2.447	2.452	.500	S	710046↗	86	2.374	2.378	.500	S	*470438	47
2.502	2.506	.312	N	711552	47	2.374	2.378	.500	S	*480438	48
2.502	2.506	.500	S	472635	47	2.374	2.378	.500	N	*480438N	48
2.502	2.506	.500	N	*472635N	47	2.375	2.379	.500	N	*3439N	#
2.623	2.627	.500	S	*473056	47	2.437	2.441	.375	S	471821	47
2.623	2.627	.500	N	*473056N	47	2.437	2.441	.375	H	*471821H	47
2.750	2.755	.415	S	4244↔↗	72	2.437	2.441	.375	S	*481821	48
3.160	3.165	.530	S	*4434	72	2.437	2.441	.468	S	*410064	41
3.160	3.165	.530	N	*4434N	72	2.437	2.441	.468	H	*410064H	41
3.160	3.165	.530	N	5778	72	2.437	2.441	.468	S	*450064	45
3.160	3.165	.608	V	4941V	#	2.437	2.441	.468	N	*450064N	45
3.160	3.165	.645	V	5778V	72	2.437	2.441	.468	S	470064	47
1.558" SHAFT						2.437	2.441	.468	S	*480064	48
-	-	-	S	800400	VRS1	2.437	2.441	.500	S	*450963	45
-	-	-	V	800404	VRS1	2.437	2.441	.500	S	*480963	48
2.250	2.254	1.520	S	8935S&	79	2.441	2.445	.375	S	471827	47
2.372	2.376	.350	S	*2876&	74	2.441	2.445	.500	S	*470684	47
2.372	2.376	1.500	S	2506&	79	2.441	2.445	.781	S	*10684S	1S
39,60mm (1.559") SHAFT						2.441	2.457	.500	S	8160S	32
51.75	52.00	11.00	S	*39.6X52X11★	32	2.502	2.506	.250	L	40185	4L
2.037	2.047	.433				2.502	2.506	.250	S	*42364S	4S
1.562" (1-9/16") SHAFT						2.502	2.506	.312	S	473229	47
-	-	-	S	800400	VRS1	2.502	2.506	.312	S	*483229	48
-	-	-	V	800404	VRS1	2.502	2.506	.375	S	*470903	47
-	-	.563		99156	Redi-Sleeve	2.502	2.506	.500	V	450185V	45
2.061	2.275	.338	S	1195	32	2.502	2.506	.500	S	*410185	41
2.062	2.066	.200	S	7994S	44	2.502	2.506	.500	S	450185	45
2.062	2.066	.250	S	8421S	33	2.502	2.506	.500	H	*450185H	45
2.062	2.066	.250	S	*330749	33	2.502	2.506	.500	N	*450185N	45
2.062	2.066	.250	N	*330749N	33	2.502	2.506	.500	S	*470185	47
2.062	2.066	.250	V	330749V	33	2.502	2.506	.500	S	*480185	48
2.062	2.067	.188	T	39920↗	FW-H	2.502	2.506	.500	S	*480185	48
2.094	2.098	.312	F	*712129	#	2.531	2.621	.285	S	200640%	200E
2.096	2.102	.250	S	340927	34	2.561	2.565	.500	S	*410143	41
2.125	2.129	.375	T	39711↗	FW-H	2.561	2.565	.500	S	450143	45
2.125	2.129	.375	S	473517	47	2.561	2.565	.500	S	*470143	47
2.125	2.129	.437	S	*411016	41	2.561	2.565	.500	S	*480143	48
2.125	2.129	.437	S	*451016	45	2.623	2.627	.312	S	470682	47
2.125	2.129	.437	S	*471016	47	2.623	2.627	.312	S	*480682	48
2.125	2.129	.437	S	*481016	48	2.623	2.627	.500	S	*410262	41
2.125	2.129	.437	N	*481016N	48	2.623	2.627	.500	S	*450262	45
2.237	2.257	.290	S	200887%	200E	2.623	2.627	.500	S	*470262	47
2.250	2.254	.312	S	472213	47	2.623	2.627	.500	S	*480262	48
2.250	2.254	.312	S	*482213	48	2.684	2.701	.250	S	6336S%	26
2.250	2.254	.500	S	*411084	41	2.686	2.690	.375	L	5796	201
2.250	2.254	.500	S	*451084	45	2.686	2.690	.375	H	*411316H	41
2.250	2.254	.500	H	*451084H	45	2.686	2.690	.375	S	471316	47
2.250	2.254	.500	S	*471084	47	2.686	2.690	.375	S	*481316	48
2.250	2.254	.500	S	*481084	48	2.686	2.690	.500	S	*410751	41
2.252	2.256	.375	S	*481279	48	2.686	2.690	.500	S	*450751	45
2.252	2.256	.375	N	*481279N	48	2.686	2.690	.500	S	*470751	47
2.320	2.326	.374	S	1873	35	2.686	2.690	.500	S	*480751	48
						2.716	2.720	.468	S	*410803	41
						2.716	2.720	.468	S	450803	45
						2.750	2.754	.375	S	473441	47
						2.750	2.754	.500	S	*410109	41
						2.750	2.754	.500	S	*450109	45
						2.750	2.754	.500	S	*470109	47
						2.750	2.754	.500	N	470109N	47
						2.750	2.754	.500	S	*480109	48
						2.758	2.762	.500	S	*410273	41
						2.758	2.762	.500	S	450273	45

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↗ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-Bidirectional ** Canada Only

% External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.562" (1-9/16") SHAFT (cont.)						40,00mm (1.575") SHAFT (cont.)					
2.758	2.762	.500	S	*470273	47	52,00	52,20	7,00	V	*40X52X7V★	32
2.758	2.762	.500	S	*480273	48	2.047	2.055	.276			
2.758	2.762	.500	N	*480273N	48	52,00	52,22	9,00	S	4175★	#
2.833	2.840	.493	V	4889	#	2.047	2.056	.354			
2.873	2.880	.493	V	4890	#	52,00	52,25	6,00	S	1178★	32
2.875	2.879	.375	S	*473442	47	2.047	2.057	.236			
2.875	2.879	.468	S	*410418	41	52,00	52,25	7,00	S	40X52X7★	32
2.875	2.879	.468	S	*450418	45	2.047	2.057	.276			
2.875	2.879	.468	S	*470418	47	52,00	52,28	7,00	S	224010★	35
2.875	2.879	.468	S	*480418	48	2.047	2.058	.276			
2.875	3.062	.468	N	*7525N	47	52,00	52,28	7,00	S	224015★	32
2.996	3.000	.312	S	*453510	45	2.047	2.058	.276			
2.996	3.001	.500	S	*411962	41	52,00	52,28	7,00	H	224052★➡	32
3.150	3.155	.312	S	*473490	47	2.047	2.058	.276			
3.543	3.548	.375	S	476510	47	52,00	52,28	9,00	N	1217★&	35
1.565" SHAFT						2.047	2.058	.354			
-	-	-	S	800400	VRS1	52,75	53,00	8,00	S	*40X53X8★	32
-	-	-	V	800404	VRS1	2.077	2.087	.315			
-	-	.563		99156	Redi-Sleeve	53,75	54,00	7,00	S	*40X54X7★	32
2.372	2.382	.394	S	710198	#	2.116	2.126	.276			
1.574" SHAFT						53,75	54,00	8,00	S	*40X54X8★	32
-	-	-	S	800400	VRS1	2.116	2.126	.315			
-	-	-	V	800404	VRS1	53,75	54,00	10,00	S	*40X54X10★	32
-	-	.512		99157	Redi-Sleeve	2.116	2.126	.394			
2.410	2.415	.540	V	714569➡➡	#	53,90	54,00	6,00	S	710444★◀	32
2.676	2.683	.500	N	4141	#	2.122	2.126	.236			
40,00mm (1.575") SHAFT						54,00	54,10	5,50	S	1213★	47
-	-	-	S	800400	VRS1	2.126	2.130	.217			
-	-	-	V	800404	VRS1	54,00	54,10	5,50	S	1213N★	47
-	-	.512		99157	Redi-Sleeve	2.126	2.130	.217			
0,00	58,24	5,99	S	710505★	32	54,00	54,10	8,00	S	710311★	25
.000	2.293	.236				2.126	2.130	.315			
0,00	72,00	11,00	S	710523★	#	54,00	54,20	5,50	S	40X54X6★	47
.000	2.835	.433				2.126	2.134	.217			
49,80	50,00	5,00	S	*40X50X5★	32	54,00	54,20	10,00	N	710287★◀➡	32
49,80	50,00	6,50	S	*40X50X6.5★	32	2.126	2.134	.394			
49,80	50,00	7,00	S	*40X50X7★	32	54,75	55,00	7,00	S	*40X55X7★	32
49,80	50,00	10,00	S	*40X50X10★	32	2.155	2.165	.276			
1.961	1.969	.197				54,75	55,00	10,00	S	*40X55X10★	32
1.961	1.969	.256	S	*40X50X8★	35	2.155	2.165	.394			
1.961	1.969	.315	S	*40X52X6★	32	54,89	55,00	13,00	N	710443★	#
51,75	52,00	6,00	S	*40X52X8★	32	2.161	2.165	.512			
2.037	2.047	.236	S	*40X52X9★	32	55,00	55,09	8,00	S	473677★	47
51,75	52,00	8,00	S	*40X52X10★	32	2.165	2.169	.315			
2.037	2.047	.354	S	*40X52X10★	32	55,00	55,09	8,00	S	*476677★	47
51,75	52,00	10,00	S	*40X52X10★	32	2.165	2.169	.315			
2.037	2.047	.394	V	224053★	32	55,00	55,17	9,60	S	3392★◀➡	47
52,00	0,00	7,00	V	224053★	32	2.165	2.172	.378			
2.047	.000	.276				55,00	55,20	6,50	S	40X55X6★	35
52,00	52,12	7,50	S	*3967★	#	2.165	2.173	.256			
2.047	2.052	.295	S	*3609★	47	55,00	55,20	8,00	V	*40X55X8V★	32
52,00	52,12	8,00	S	*3609★	47	2.165	2.173	.315			
2.047	2.052	.315	S	1962★&	78	55,00	55,28	8,00	S	40X55X8★	32
52,00	52,12	8,50	S	1962★&	78	2.165	2.176	.315			
2.047	2.052	.335	S	710308★➡	32	55,00	55,28	9,00	S	224020★➡	32
52,00	52,20	6,00	S	710308★➡	32	2.165	2.176	.315			
2.047	2.055	.236	S	239201★&	32	55,75	56,00	8,00	S	*40X56X8★	32
52,00	52,20	6,50	S	239201★&	32	2.195	2.205	.315			
2.047	2.055	.256				55,75	56,00	8,00	S	*40X56X8★	32
						2.195	2.205	.315			
						56,00	56,20	7,00	S	40X56X7★	32
						2.205	2.213	.276			
						56,00	56,20	8,00	V	*40X56X8V★	35
						2.205	2.213	.315			
						56,00	56,20	9,00	S	710300★	#
						2.205	2.213	.354			
						56,00	56,20	10,00	S	40X56X10★	35
						2.205	2.213	.394			
						56,00	56,25	7,00	N	224025★➡	32
						2.205	2.215	.276			

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW
 ➡➡ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
40,00mm (1.575") SHAFT (cont.)						40,00mm (1.575") SHAFT (cont.)					
56,00	56,26	7,00	V	*350612★	35	63,25	63,50	10,00	S	*40X63.5X10★	32
2.205	2.215	.276				2.490	2.500	.394			
56,00	56,26	8,00	S	712551★	32	63,75	64,00	10,00	S	*40X64X10★	32
2.205	2.215	.315				2.510	2.520	.394			
56,00	56,26	9,00	V	224026★	35	63,75	64,00	12,00	S	*40X64X12★	32
2.205	2.215	.354				2.510	2.520	.472			
56,75	57,00	7,00	S	*40X57X7★	32	64,00	64,00	11,98	N	1216★&	74
2.234	2.244	.276				2.520	2.520	.472			
56,90	57,15	10,00	S	*40X57.15X10★	32	64,00	64,10	12,00	N	1216N★&	74
2.240	2.250	.394				2.520	2.524	.472			
57,00	57,20	10,00	S	40X57X10★	32	64,00	64,10	12,00	S	710326★	66
2.244	2.252	.394				2.520	2.524	.472			
57,00	57,20	10,00	S	710432★	32	64,75	65,00	8,00	S	*40X65X8★	32
2.244	2.252	.394				2.549	2.559	.315			
57,75	58,00	6,50	S	*40X58X6.5★	32	64,75	65,00	12,00	S	*40X65X12★	32
2.273	2.283	.256				2.549	2.559	.472			
58,00	58,14	9,00	N	3459★↔	74	65,00	65,13	9,53	S	474161★	47
2.283	2.289	.354				2.559	2.564	.375			
58,00	58,20	8,00	S	40X58X8★	32	65,00	65,20	20,00	S	710134★	#
2.283	2.291	.315				2.559	2.567	.787			
58,00	58,20	10,00	V	*40X58X10V★	35	65,00	65,28	10,00	S	40X65X10★	32
2.283	2.291	.394				2.559	2.570	.394			
58,00	58,28	10,00	S	40X58X10★	32	65,00	65,28	10,00	S	224100★	35
2.283	2.294	.394				2.559	2.570	.394			
58,75	59,00	10,00	S	*40X59X10★	32	66,00	66,30	8,00	N	224066★↔	40
2.313	2.323	.394				2.598	2.610	.315			
59,75	60,00	7,00	S	*40X60X7★	32	67,75	68,00	7,00	S	*40X68X7★	32
2.352	2.362	.276				2.667	2.677	.276			
59,75	60,00	12,00	S	*40X60X12★	32	67,75	68,00	10,00	S	*40X68X10★	32
2.352	2.362	.472				2.667	2.677	.394			
60,00	60,20	8,00	S	710147★	#	68,00	68,10	9,00	N	224068★	40
2.362	2.370	.315				2.677	2.681	.354			
60,00	60,20	10,00	S	224040★	35	68,00	68,25	12,00	S	40X68X12★	35
2.362	2.370	.394				2.677	2.687	.472			
60,00	60,20	10,00	S	40X60X10★	32	68,00	68,80	8,00	S	40X68X8★	35
2.362	2.370	.394				2.677	2.709	.315			
60,00	60,20	10,00	V	*40X60X10V★	35	69,75	70,00	10,00	S	*40X70X10★	32
2.362	2.370	.394				2.746	2.756	.394			
60,00	60,20	10,00	S	*1078★	33	69,75	70,00	12,00	S	*40X70X12★	32
2.362	2.370	.394				2.746	2.756	.472			
61,75	62,00	9,00	S	*40X62X9★	32	70,00	70,20	8,00	S	40X70X8★	32
2.431	2.441	.354				2.756	2.764	.315			
61,75	62,00	10,00	S	*40X62X10★	32	71,75	72,00	10,00	S	*40X72X10★	32
2.431	2.441	.394				2.825	2.835	.394			
61,75	62,00	11,00	S	*40X62X11★	32	71,75	72,00	12,00	S	*40X72X12★	32
2.431	2.441	.433				2.825	2.835	.472			
61,75	62,00	11,50	S	*40X62X11.5★	32	72,00	72,35	7,00	S	40X72X7★	35
2.431	2.441	.453				2.835	2.848	.276			
62,00	62,20	7,00	S	40X62X7★	35	72,00	72,35	7,00	V	350572★	35
2.441	2.449	.276				2.835	2.848	.276			
62,00	62,20	7,00	V	*40X62X7V★	32	73,00	73,10	10,00	N	710284★	#
2.441	2.449	.276				2.874	2.878	.394			
62,00	62,20	9,00	S	710131★	#	73,75	74,00	10,00	S	*40X74X10★	32
2.441	2.449	.354				2.903	2.913	.394			
62,00	62,25	8,00	S	40X62X8★	32	74,00	74,12	10,00	S	474133★	47
2.441	2.451	.315				2.913	2.918	.394			
62,00	62,25	10,00	S	*1179★	#	74,00	74,20	8,00	S	*40X74X8★	32
2.441	2.451	.394				2.913	2.921	.315			
62,00	62,25	11,50	S	40X62X12★	35	74,75	75,00	10,00	S	*40X75X10★	32
2.441	2.451	.453				2.943	2.953	.394			
62,00	62,27	10,00	V	710196★	32	74,75	75,00	13,00	S	*40X75X13★	32
2.441	2.452	.394				2.943	2.953	.512			
62,00	62,27	11,00	S	224045★	32	75,00	75,20	8,00	S	40X75X8★	32
2.441	2.452	.433				2.953	2.961	.315			
62,00	62,30	6,50	S	710227★	#	75,00	75,20	12,00	S	712011★	32
2.441	2.453	.256				2.953	2.961	.472			
62,25	62,50	11,00	S	*40X62.5X11★	32	75,00	75,26	12,00	N	2011★↔	40
2.451	2.461	.433				2.953	2.963	.472			
62,75	63,00	7,00	S	*40X63X7★	32	75,00	75,26	18,00	N	712020★↔	32
2.470	2.480	.276				2.953	2.963	.709			
63,00	63,30	8,00	N	224063★↔	32	75,00	75,30	12,00	S	*710050★	32
2.480	2.492	.315				2.953	2.965	.472			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↗ Hydrodynamic Lip Design-CW ↖ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
40,00mm (1.575") SHAFT (cont.)						1.594" SHAFT (cont.)					
75.00	75.30	12.00	S	710113★	#	58.00	58.23	8.00	S	710140★	32
2.953	2.965	.472				2.283	2.293	.315			
75.75	76.00	8.00	S	*40X76X8★	32	1.598" SHAFT					
2.982	2.992	.315				—	—	—	S	800400	VRS1
76.00	76.25	8.00	S	1036★➡	40	—	—	—	V	800404	VRS1
2.992	3.002	.315				2.476	2.483	.350	N	4765◀	79
76.00	76.28	12.50	N	1146★◀	32	2.476	2.483	.420	N	4764◀	86
2.992	3.003	.492				1.603" SHAFT					
78.00	78.20	10.00	S	40X78X10★	35	—	—	—	S	800400	VRS1
3.071	3.079	.394				—	—	—	V	800404	VRS1
78.00	78.80	8.00	S	40X78X8★	32	—	—	.500		99160	Redi-Sleeve
3.071	3.102	.315				2.282	2.292	.530	N	*7456N&	94
79.72	80.00	7.00	S	*40X80X7★	32	2.375	2.379	.187	N	*8073	#
3.139	3.150	.276				1.605" SHAFT					
79.72	80.00	12.00	S	*40X80X12★	32	—	—	—	S	800400	VRS1
3.139	3.150	.472				—	—	—	V	800404	VRS1
80.00	80.20	10.00	V	*40X80X10V★	32	—	—	.500		99160	Redi-Sleeve
3.150	3.157	.394				2.374	2.386	.375	S	1192	32
80.00	80.28	10.00	S	40X80X10★	35	2.560	2.565	.693	N	714679◀➡	#
3.150	3.161	.394				2.795	2.804	.364	N	4674N◀➡	#
80.22	80.50	10.00	S	*40X80.5X10★	32	1.609" SHAFT					
3.158	3.169	.394				—	—	—	S	800400	VRS1
82.00	82.20	8.00	S	*40X82X8★	32	—	—	—	V	800404	VRS1
3.228	3.236	.315				—	—	.500		99160	Redi-Sleeve
85.00	85.20	8.00	S	*40X85X8★	32	2.435	2.441	.300	V	2658V	75
3.346	3.354	.315				2.435	2.441	.300	H	2658➡	75
88.00	88.20	8.00	S	*40X88X8★	32	2.750	2.754	.500	S	*413310	41
3.465	3.472	.315				1.610" SHAFT					
89.72	90.00	10.00	S	*40X90X10★	32	—	—	—	S	800400	VRS1
3.532	3.543	.394				—	—	—	V	800404	VRS1
89.72	90.00	12.00	S	*40X90X12★	32	2.500	2.531	.300	S	6283S	26
3.532	3.543	.472				41,00mm (1.614") SHAFT					
90.00	90.20	8.00	S	40X90X8★	35	—	—	—	S	800400	VRS1
3.543	3.551	.315				—	—	—	V	800404	VRS1
1.578" SHAFT						50.75	51.00	5.00	S	*41X51X5★	32
—	—	—	S	800400	VRS1	1.998	2.008	.197			
—	—	—	V	800404	VRS1	52.75	53.00	7.00	S	*41X53X7★	32
—	—	.512		99157	Redi-Sleeve	2.077	2.087	.276			
2.000	2.004	.250	S	43074S	4S	53.00	53.25	7.00	S	1950★	41
2.408	2.412	.500	S	450666	45	2.087	2.096	.276			
1.593" (1-19/32") SHAFT						53.75	54.00	7.00	S	*41X54X7★	32
—	—	—	S	800400	VRS1	2.116	2.126	.276			
—	—	—	V	800404	VRS1	54.00	54.23	7.00	N	224150★	35
2.437	2.441	.468	S	450065	45	2.126	2.135	.276			
2.437	2.441	.500	S	*482042	48	55.00	55.29	7.00	S	41X55X7★	32
2.502	2.506	.250	S	482253	48	2.165	2.177	.276			
2.502	2.506	.250	N	*482253N	48	55.00	55.29	7.00	S	1180★	32
2.502	2.506	.281	N	*482605N	48	2.165	2.177	.276			
2.502	2.506	.375	S	*481838	48	55.45	55.70	9.00	S	*41X55.7X9★	32
2.502	2.506	.500	S	*450258	45	2.183	2.193	.354			
2.623	2.627	.340	S	451469	45	56.00	0.00	8.00	V	711181★	32
2.623	2.627	.500	S	*451858	45	2.205	.000	.315			
2.623	2.627	.500	H	*451858H	45	56.00	56.25	7.00	S	41X56X7★	32
2.758	2.762	.500	S	450274	45	2.205	2.215	.276			
2.758	2.762	.500	H	*450274H	45	56.00	56.25	7.00	S	1181★	35
1.594" SHAFT						2.205	2.215	.276			
—	—	—	S	800400	VRS1	59.00	59.10	10.00	N	710114★➡	98
—	—	—	V	800404	VRS1	2.323	2.327	.394			
.000	2.291	.354	N	710512	40	61.00	61.20	10.00	N	710141★◀	#
52.50	52.70	6.00	N	710436★➡	35	2.402	2.409	.394			
2.067	2.075	.236									
2.125	2.129	.250	S	480581	48						
2.125	2.129	.281	S	*481384	48						
2.125	2.129	.281	N	*481384N	48						
2.125	2.129	.281	V	*481384V	48						

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW
 ◀➡ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
41.00mm (1.614") SHAFT (cont.)						1.625" (1-5/8") SHAFT (cont.)					
62.00	62.20	8.00	S	*41X62X8★	32	2.374	2.378	.500	S	*480358	48
2.441	2.449	.315				2.374	2.378	.500	N	*710358	45
62.00	62.23	9.00	N	710220★➡	32	2.374	2.385	.375	S	*321150	32
2.441	2.450	.354				2.437	2.441	.250	S	*40066S	4S
63.00	63.20	9.00	N	710291★⚡	40	2.437	2.441	.312	V	473367V	47
2.480	2.488	.354				2.437	2.441	.312	S	473367	47
63.75	64.00	10.00	S	*41X64X10★	32	2.437	2.441	.312	V	483367V	48
2.510	2.520	.394				2.437	2.441	.375	S	471419	47
68.00	68.20	13.00	S	710402★	#	2.437	2.441	.375	S	*481419	48
2.677	2.685	.512				2.437	2.441	.375	H	*481419H	48
1.618" SHAFT						2.437	2.441	.468	S	*410066	41
—	—	—	S	800400	VRS1	2.437	2.441	.468	S	450066	45
—	—	—	V	800404	VRS1	2.437	2.441	.468	N	*450066N	45
2.000	2.004	.235	S	*484206	48	2.437	2.441	.468	S	*480066	48
2.124	2.128	.250	V	*483525V	48	2.437	2.441	.500	S	*452401	45
2.531	2.535	.750	S	8477S	48	2.437	2.441	.500	V	*452401V	45
2.574	2.579	.460	S	*3983⚡➡	47	2.437	2.441	.500	S	*482401	48
2.575	2.579	.460	L	8835L**	33	2.437	2.441	.500	V	*482401V	48
2.575	2.579	.500	S	8835S⚡➡	33	2.440	2.444	.500	S	*710063	#
2.841	2.849	.500	N	4762N⚡➡	74	2.441	2.445	.375	S	471829	47
1.625" (1-5/8") SHAFT						2.441	2.445	.375	V	471829V	47
—	—	—	S	800400	VRS1	2.441	2.445	.500	S	*410795	41
—	—	—	V	800404	VRS1	2.448	2.502	.250	F	*6356	29
—	—	.313	*99161	Redi-Sleeve		2.462	—	.250	S	200641%	200E
—	—	.563	99162	Redi-Sleeve		2.502	2.506	.250	S	*472758	47
2.000	2.004	.250	S	473694	47	2.502	2.506	.250	N	*472758N	47
2.087	2.091	.275	S	*413799	41	2.502	2.506	.250	V	472758V	47
2.116	2.120	.312	S	472419	47	2.502	2.506	.250	S	*482758	48
2.116	2.120	.312	N	*472419N	47	2.502	2.506	.312	V	473010V	47
2.116	2.127	.312	S	324939	32	2.502	2.506	.312	S	473010	47
2.125	2.129	.250	S	481181	48	2.502	2.506	.312	A	473010A	47
2.125	2.129	.250	H	*481181H	48	2.502	2.506	.312	N	473010N	47
2.125	2.129	.250	N	481181N	48	2.502	2.506	.312	S	*483010	48
2.250	2.254	.312	S	473230	47	2.502	2.506	.312	N	*483010N	48
2.250	2.254	.312	S	*483230	48	2.502	2.506	.375	N	*451839N	45
2.250	2.254	.312	V	483230V	48	2.502	2.506	.375	S	*471839	47
2.250	2.254	.500	S	*410755	41	2.502	2.506	.375	H	*471839H	47
2.250	2.254	.500	S	*450755	45	2.502	2.506	.375	N	*471839N	47
2.250	2.254	.500	S	*450755H	45	2.502	2.506	.375	S	*481839	48
2.250	2.254	.500	S	*470755	47	2.502	2.506	.375	N	*481839N	48
2.250	2.254	.500	S	*480755	48	2.502	2.506	.500	S	*410194	41
2.251	2.255	.375	S	1999	48	2.502	2.506	.500	V	410194V	41
2.251	2.256	.375	S	*471289	47	2.502	2.506	.500	S	450194	45
2.251	2.256	.375	S	*481289	48	2.502	2.506	.500	H	*450194H	45
2.282	2.286	.313	S	710204	48	2.502	2.506	.500	N	*450194N	45
2.327	2.332	.406	S	204017	204	2.502	2.506	.500	S	*470194	47
2.327	2.332	.440	S	*204075	204	2.502	2.506	.500	S	*480194	48
2.328	2.332	.406	F	205017	205	2.562	2.565	.375	S	474216	47
2.328	2.332	.437	S	473117	47	2.562	2.566	.250	S	204500	4S
2.328	2.332	.437	N	*473117N	47	2.562	2.566	.375	F	291099	29
2.374	2.378	.312	V	473231V	47	2.562	2.566	.437	S	4763S	#
2.374	2.378	.312	S	473231	47	2.623	2.627	.250	S	*42135S	4S
2.374	2.378	.312	A	473231A	47	2.623	2.627	.312	S	473232	47
2.374	2.378	.312	S	*483231	48	2.623	2.627	.312	S	*483232	48
2.374	2.378	.375	S	*471150	47	2.623	2.627	.500	S	*410069	41
2.374	2.378	.375	S	*481150	48	2.623	2.627	.500	S	450069	45
2.374	2.378	.375	H	*481150H	48	2.623	2.627	.500	N	*450069N	45
2.374	2.378	.375	N	*481150N	48	2.623	2.627	.500	V	*450069V	45
2.374	2.378	.437	S	453341	45	2.623	2.627	.500	S	*470069	47
2.374	2.378	.500	S	*410358	41	2.623	2.627	.500	H	*470069H	47
2.374	2.378	.500	H	*410358H	41	2.623	2.627	.500	S	*480069	48
2.374	2.378	.500	N	*410358N	41	2.625	2.629	.250	S	40568S	4S
2.374	2.378	.500	S	*450358	45	2.625	2.629	.500	T	50568➡	5S
2.374	2.378	.500	N	*450358N	45	2.625	2.629	.500	T	50569	5S
2.374	2.378	.500	S	470358	47	2.686	2.690	.375	S	481864	48
2.374	2.378	.500	H	*470358H	47	2.686	2.690	.375	H	*481864H	48
2.374	2.378	.500	N	470358N	47	2.686	2.690	.500	S	*450072	45
2.374	2.378	.500	H	*470358H	47	2.686	2.690	.500	S	*480072	48
2.374	2.378	.500	N	470358N	47	2.722	2.727	.406	F	5727	20S
2.374	2.378	.500	N	470358N	47	2.750	2.754	.180	N	*8994N	48
						2.750	2.754	.250	L	40286	4L

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ⚡ Hydrodynamic Lip Design-CCW

⚡➡ Hydrodynamic Lip Design-Bidirectional ** Canada Only % External Bore * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.625" (1-5/8") SHAFT (cont.)						1.652" SHAFT					
2.750	2.754	.250	S	*42754S	4S	—	—	—	S	800400	VRS1
2.750	2.754	.312	S	*474247	47	—	—	—	V	800404	VRS1
2.750	2.754	.312	S	*474274	47	—	—	.445		99166	Redi-Sleeve
2.750	2.754	.375	S	473443	47	—	—	.563		99169	Redi-Sleeve
2.750	2.754	.500	S	*410286	41	2.518	2.524	.394	S	3622	74
2.750	2.754	.500	N	*410286N	41	42,00mm (1.654") SHAFT					
2.750	2.754	.500	S	*450286	45	—	—	—	S	800400	VRS1
2.750	2.754	.500	N	*450286N	45	—	—	—	V	800404	VRS1
2.750	2.754	.500	S	470286	47	—	—	.445		99166	Redi-Sleeve
2.750	2.754	.500	S	*480286	48	—	—	.563		99169	Redi-Sleeve
2.758	2.762	.500	S	450275	45	49,80	50,00	6,00	S	*42X50X6★	32
2.758	2.762	.500	S	*480275	48	1.961	1.969	.236			
2.835	2.839	.468	S	*450819	45	49,80	50,00	7,00	S	*42X50X7★	32
2.875	2.879	.375	V	*473444V	47	1.961	1.969	.276			
2.875	2.879	.437	N	*411923N	41	51,75	52,00	4,00	S	*42X52X4★	32
2.875	2.879	.437	N	471923N	47	2.037	2.047	.157			
2.875	2.879	.468	S	450078	45	51,75	52,00	6,00	S	*42X52X6★	32
2.875	2.879	.468	S	*480078	48	2.037	2.047	.236			
2.875	2.879	.500	S	*452170	45	51,75	52,00	7,00	S	*42X52X7★	32
2.875	2.879	.500	S	*482170	48	2.037	2.047	.276			
2.996	3.001	.500	S	450415	45	53,75	54,00	7,00	S	*42X54X7★	32
2.996	3.001	.500	S	*480415	48	2.116	2.126	.276			
3.000	3.004	.312	S	*414268	41	54,75	55,00	9,00	S	*42X55X9★	32
3.000	3.005	.500	S	*410539	41	2.155	2.165	.354			
3.000	3.005	.500	N	*410539N	41	54,89	55,00	8,00	S	1214★	47
3.000	3.005	.500	S	450539	45	2.161	2.165	.315			
3.062	3.066	.500	S	450335	45	54,89	55,00	8,00	S	1214N★	47
3.125	3.130	.500	N	*411978N	41	2.161	2.165	.315			
3.251	3.256	.500	S	*410467	41	55,00	55,12	8,00	H	3051★	33
3.251	3.256	.500	S	450467	45	2.165	2.170	.315			
3.543	3.548	.375	S	*477104	47	55,00	55,12	8,00	H	3051N★	33
3.937	3.942	.375	S	*476878	47	2.165	2.170	.315			
1.628" SHAFT						55,00	55,12	7,00	S	42X55X7★	32
—	—	—	S	800400	VRS1	2.165	2.173	.276			
—	—	—	V	800404	VRS1	55,00	55,20	7,50	S	224200★	32
—	—	.313		*99161	Redi-Sleeve	2.165	2.173	.295			
—	—	.563		99162	Redi-Sleeve	55,00	55,20	8,00	V	*42X55X8V★	35
2.122	2.126	.343	S	710202	#	2.165	2.173	.315			
2.278	2.282	.343	S	710241	68	55,00	55,28	8,00	S	224210★	35
1.630" SHAFT						2.165	2.176	.315			
—	—	—	S	800400	VRS1	55,00	55,28	8,00	S	42X55X8★	35
—	—	—	V	800404	VRS1	2.165	2.176	.315			
2.415	2.441	.492	N	4143	#	55,00	55,33	9,00	N	224205★	32
41,70mm (1.642") SHAFT						2.165	2.178	.354			
54,75	55,00	7,00	S	*41.7X55X7★	32	55,75	56,00	6,00	S	*42X56X6★	32
2.155	2.165	.276				2.195	2.205	.236			
54,75	55,00	10,00	S	*41.7X55X10★	32	55,75	56,00	10,00	S	*42X56X10★	32
2.155	2.165	.394				2.195	2.205	.394			
1.645" SHAFT						56,00	56,10	14,00	N	710221★	#
—	—	—	S	800400	VRS1	2.205	2.209	.551			
—	—	—	V	800404	VRS1	56,00	56,13	7,00	S	42X56X7★	32
2.656	2.660	.406	N	8620N	47	2.205	2.210	.276			
1.650" SHAFT						56,00	56,13	7,00	H	*1944★	32
—	—	—	S	800400	VRS1	2.205	2.210	.276			
—	—	—	V	800404	VRS1	56,00	56,16	7,00	N	473560N★	47
—	—	.445		99166	Redi-Sleeve	2.205	2.211	.276			
—	—	.563		99169	Redi-Sleeve	56,00	56,21	6,00	S	710097★	#
2.282	2.336	.768	H	3083	48	2.205	2.213	.236			
2.410	2.414	.361	S	710102	#	56,00	56,20	7,00	V	*42X56X7V★	35
						2.205	2.213	.276			
						56,00	56,21	7,00	S	224220★	49
						2.205	2.213	.276			
						56,00	56,20	7,00	H	710386★	32
						2.205	2.213	.276			
						56,00	56,28	7,00	S	494117★	49
						2.205	2.216	.276			
						56,00	56,34	7,00	H	3774★	35
						2.205	2.218	.276			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡➡ Hydrodynamic Lip Design-Bidirectional

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
42,00mm (1.654") SHAFT (cont.)						42,00mm (1.654") SHAFT (cont.)					
56,30	56,44	8,00	S	710186★	#	64,75	65,00	7,50	S	*42X65X7.5★	32
2,216	2,222	.315				2,549	2,559	.295			
56,50	56,70	8,00	S	710244★	#	64,75	65,00	9,00	S	*42X65X9★	32
2,224	2,232	.315				2,549	2,559	.354			
57,75	58,00	8,00	S	*42X58X8★	32	64,75	65,00	12,00	S	*42X65X12★	32
2,273	2,283	.315				2,549	2,559	.472			
57,75	58,00	10,00	S	*42X58X10★	32	64,80	65,00	13,50	S	710179★➡	32
2,273	2,283	.394				2,551	2,555	.531			
58,00	58,10	7,00	S	42X58X7★	48	65,00	65,15	10,00	N	42X65X10★	47
2,283	2,287	.276				2,559	2,565	.394			
58,00	58,10	10,00	S	*2000★	33	65,00	65,15	10,00	N	224255★	47
2,283	2,287	.394				2,559	2,565	.394			
58,00	58,17	7,00	V	474241V★➡	47	65,00	65,20	10,00	V	*42X65X10V★	35
2,283	2,290	.276				2,559	2,567	.394			
58,00	58,18	7,00	S	224235★	48	65,05	65,15	9,50	N	*474135N★	47
2,283	2,291	.276				2,561	2,565	.374			
58,00	58,20	12,00	S	710517★	#	66,00	66,28	10,00	S	224266★	32
2,283	2,291	.472				2,598	2,609	.394			
58,00	58,28	8,00	N	224215★◄	32	67,00	67,13	7,16	V	4615V★➡	83
2,283	2,294	.315				2,638	2,643	.282			
59,00	59,10	7,00	N	710442★➡	48	67,00	67,20	10,00	N	710286★◄➡	32
2,323	2,327	.276				2,638	2,646	.394			
59,75	60,00	8,00	S	*42X60X8★	32	68,00	68,20	8,00	S	42X68X8★	32
2,352	2,362	.315				2,677	2,685	.315			
59,75	60,00	9,00	S	*42X60X9★	32	68,00	68,20	10,00	S	42X68X10★	32
2,352	2,362	.354				2,677	2,685	.394			
59,75	60,00	10,00	S	*42X60X10★	32	69,75	70,00	8,00	S	*42X70X8★	32
2,352	2,362	.394				2,746	2,756	.315			
59,75	60,00	12,00	S	*42X60X12★	32	69,75	70,00	12,00	S	*42X70X12★	32
2,352	2,362	.472				2,746	2,756	.472			
60,00	60,20	10,00	V	*42X60X10V★	35	70,00	70,20	10,00	S	42X70X10★	32
2,362	2,370	.394				2,756	2,764	.394			
60,00	60,22	7,00	S	42X60X7★	32	72,00	72,20	8,00	S	42X72X8★	32
2,362	2,371	.276				2,835	2,843	.315			
60,00	60,22	7,00	V	*320563★	32	72,00	72,20	10,00	V	*42X72X10V★	35
2,362	2,371	.276				2,835	2,843	.394			
60,00	60,22	7,00	S	*323715★	32	72,00	72,27	10,00	S	42X72X10★	32
2,362	2,371	.276				2,835	2,845	.394			
60,00	60,22	7,04	N	1953★	32	72,00	72,27	10,00	S	224270★	32
2,362	2,371	.277				2,835	2,845	.394			
60,00	60,42	7,00	V	2025★	32	72,00	72,28	10,00	S	710207★	40
2,362	2,379	.276				2,835	2,846	.394			
61,75	62,00	7,00	S	*42X62X7★	32	74,75	75,00	10,00	S	*42X75X10★	32
2,431	2,441	.276				2,943	2,953	.394			
61,75	62,00	10,00	S	*42X62X10★	32	74,75	75,00	12,00	S	*42X75X12★	32
2,431	2,441	.394				2,943	2,953	.472			
61,75	62,00	12,00	S	*42X62X12★	32	75,00	75,20	8,00	S	*42X75X8★	32
2,431	2,441	.472				2,953	2,961	.315			
62,00	62,10	12,00	S	710403★	#	75,75	76,00	12,00	S	*42X76X12★	32
2,441	2,445	.472				2,982	2,992	.472			
62,00	62,20	7,00	S	710301★	97	76,00	76,10	14,00	N	710245★➡	#
2,441	2,449	.276				2,992	2,996	.551			
62,00	62,20	8,00	V	*42X62X8V★	32	76,00	76,28	12,00	S	710195★	40
2,441	2,449	.315				2,992	3,003	.472			
62,00	62,20	8,00	N	710408★	32	77,72	78,00	10,00	S	*42X78X10★	32
2,441	2,449	.315				3,060	3,071	.394			
62,00	62,27	8,00	S	224250★	35	78,00	78,20	8,00	S	*42X78X8★	32
2,441	2,452	.315				3,071	3,079	.315			
62,00	62,27	8,00	S	42X62X8★	35	80,00	80,20	8,00	S	42X80X8★	32
2,441	2,452	.315				3,150	3,157	.315			
62,00	62,27	10,00	S	*1946★	35	80,00	80,20	10,00	S	42X80X10★	35
2,441	2,452	.394				3,150	3,157	.394			
62,00	62,27	10,00	S	224252★	32	90,00	90,09	9,00	N	710133★	#
2,441	2,452	.394				3,543	3,547	.354			
62,75	63,00	7,00	S	*42X63X7★	32	90,00	90,28	12,00	N	710246★	#
2,470	2,480	.276				3,543	3,554	.472			
63,00	63,20	9,00	N	710298★➡	40	1.656" (1-21/32") SHAFT					
2,480	2,488	.354				—	—	—	S	800400	VRS1
63,75	64,00	8,00	S	*42X64X8★	32	—	—	—	V	800404	VRS1
2,510	2,520	.315				2,502	2,506	.500	S	450260	45
64,00	64,18	6,00	S	224254★	34						
2,520	2,527	.236									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄➡ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.656" (1-21/32") SHAFT (cont.)						1.687" (1-11/16") SHAFT (cont.)					
2.623	2.627	.455	N	7457N	1S	2.502	2.506	.312	S	473234	47
2.623	2.627	.455	N	*9541N	#	2.502	2.506	.375	S	*450363	45
2.686	2.690	.500	S	450073	45	2.502	2.506	.375	H	*450363H	45
2.686	2.690	.500	S	*480073	48	2.502	2.506	.375	S	*480363	48
2.750	2.754	.500	S	*450284	45	2.502	2.506	.500	S	*410154	41
2.875	2.879	.468	S	*450079	45	2.502	2.506	.500	N	*410154N	41
2.937	2.941	.375	S	472660	47	2.502	2.506	.500	S	450154	45
1.670" SHAFT						2.502	2.506	.500	S	*470154	47
-	-	-	S	800400	VRS1	2.502	2.506	.500	H	*470154H	47
-	-	-	V	800404	VRS1	2.502	2.506	.582	S	7038SA◄	41
2.686	2.690	.500	S	452086	45	2.560	2.579	.375	S	2146	#
1.673" SHAFT						2.560	2.579	.375	S	*5114	#
-	-	-	S	800400	VRS1	2.560	2.579	.470	S	712146◄➡	25
-	-	-	V	800404	VRS1	2.561	2.565	.500	S	*410460	41
2.162	2.166	.285	S	4099&	287	2.561	2.565	.500	S	470460	47
1.675" SHAFT						2.561	2.566	.500	S	*203041	203
-	-	-	S	800400	VRS1	2.605	2.609	.235	S	9178S	4S
-	-	-	V	800404	VRS1	2.623	2.627	.312	S	473235	47
2.000	2.175	.200	S	710385	#	2.623	2.627	.375	S	440265	44
1.680" SHAFT						2.623	2.627	.437	N	8516N	47
2.500	2.506	1.535	S	2465	79	2.623	2.627	.500	S	*410265	41
1.685" SHAFT						2.623	2.627	.500	N	*410265N	41
-	-	-	S	800400	VRS1	2.623	2.627	.500	S	*450265	45
-	-	-	V	800404	VRS1	2.623	2.627	.500	S	*470265	47
-	-	.313	*	99167	Redi-Sleeve	2.623	2.627	.500	H	*470265H	47
-	-	.563	*	99168	Redi-Sleeve	2.623	2.627	.500	S	*480265	48
2.500	2.506	.421	V	4981V	#	2.624	2.628	.609	V	*8547	#
2.500	2.506	1.250	N	7300S◄	79	2.624	2.628	.609	H	*8547H	#
1.687" (1-11/16") SHAFT						2.650	2.725	.290	S	200886%	200E
-	-	-	S	800400	VRS1	2.684	2.706	.250	S	7381S	24
-	-	-	V	800404	VRS1	2.686	2.690	.500	S	*410074	41
-	-	.313	*	99167	Redi-Sleeve	2.686	2.690	.500	S	*450074	45
-	-	.563	*	99168	Redi-Sleeve	2.686	2.690	.500	S	470074	47
2.500	2.506	.421	V	4981V	#	2.686	2.690	.500	S	*480074	48
2.500	2.506	1.250	N	7300S◄	79	2.686	2.691	.312	S	474265	47
1.687" (1-11/16") SHAFT						2.714	2.718	.468	S	*410421	41
-	-	-	S	800400	VRS1	2.716	2.720	.468	S	*410765	41
-	-	-	V	800404	VRS1	2.716	2.720	.468	S	450765	45
-	-	.313	*	99167	Redi-Sleeve	2.750	2.754	.312	S	473236	47
-	-	.563	*	99168	Redi-Sleeve	2.750	2.754	.500	S	*410186	41
2.279	2.283	.500	L	*6084	5L	2.750	2.754	.500	S	*450186	45
2.279	2.285	.250	S	353141	35	2.750	2.754	.500	S	*470186	47
2.327	2.332	.500	S	203008	203	2.750	2.754	.500	S	*480186	48
2.327	2.332	.500	S	204008	204	2.835	2.839	.468	S	*410596	41
2.328	2.332	.312	S	473317	47	2.835	2.839	.468	S	*450596	45
2.328	2.332	.312	N	*473317N	47	2.835	2.839	.468	S	470596	47
2.328	2.332	.437	S	*471410	47	2.835	2.839	.468	V	470596V	47
2.328	2.332	.437	S	*481410	48	2.835	2.839	.468	S	*480596	48
2.328	2.332	.531	S	7022S	276	2.875	2.879	.375	S	473446	47
2.363	2.367	.437	S	*481345	48	2.875	2.879	.468	S	*410080	41
2.363	2.367	.437	H	*481345H	48	2.875	2.879	.468	S	*450080	45
2.363	2.367	.437	N	*481345N	48	2.875	2.879	.468	S	*470080	47
2.374	2.378	.312	S	473233	47	2.875	2.879	.500	S	*452629	45
2.374	2.378	.375	S	*471812	47	2.875	2.879	.500	S	*482629	48
2.374	2.378	.375	S	*481812	48	2.875	2.885	.622	S	*4020	#
2.374	2.378	.500	S	*410562	41	2.875	2.885	.625	S	*712143	32
2.437	2.441	.312	S	473445	47	3.000	3.005	.375	S	471981	47
2.437	2.441	.312	V	*473445V	47	3.000	3.005	.500	S	*451226	45
2.437	2.441	.468	S	*410479	41	3.062	3.066	.500	S	*410086	41
2.437	2.441	.468	S	*450479	45	3.062	3.066	.500	S	*450086	45
2.437	2.441	.468	S	*470479	47	3.062	3.066	.500	S	470086	47
2.437	2.441	.468	S	*480479	48	3.062	3.066	.500	S	*480086	48
2.437	2.441	.468	H	480479H	48	3.125	3.130	.375	S	*481982	48
2.437	2.441	.468	V	*480479V	48	3.125	3.130	.500	S	*450687	45
2.500	2.506	1.535	N	*2854◄	79	3.125	3.130	.500	S	470687	47
2.502	2.506	.250	S	40154S	4S	3.125	3.130	.500	N	*470687N	47
						3.125	3.130	.500	S	*480687	48
						3.189	3.194	.437	S	450533	45
						.000	2.551	.595	S	710502	#

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◄ Hydrodynamic Lip Design-CCW ◄➡ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
42,90mm (1.689") SHAFT						1.705" SHAFT (cont.)					
61,75	62,00	8,00	S	*42.9X62X8★	32	—	—	—	V	800455	VRS2
2.431	2.441	.315				3.034	3.039	.562	V	100357	86
						3.080	3.084	.461	S	710105↔	#
43,00mm (1.693") SHAFT						1.709" SHAFT					
—	—	—	S	800400	VRS1	—	—	—	S	800450	VRS1
—	—	—	V	800404	VRS1	—	—	—	S	800451	VRS2
49,80	50,00	7,00	S	*43X50X7★	32	—	—	—	V	800454	VRS1
1.961	1.969	.276				—	—	—	V	800455	VRS2
54,00	54,10	6,50	S	224400★	25	2.205	2.213	.292	N	2955↗	71
2.126	2.130	.256				43,50mm (1.713") SHAFT					
54,00	54,10	7,50	S	334111★	33	61,75	62,00	6,50	S	*43.5X62X6.5★	32
2.126	2.130	.295				2.431	2.441	.256			
54,75	55,00	9,00	S	*43X55X9★	32	1.718" (1-23/32") SHAFT					
2.155	2.165	.354				—	—	—	S	800450	VRS1
55,00	55,20	6,00	V	2012★↗	32	—	—	—	S	800451	VRS2
2.165	2.173	.236				—	—	—	V	800454	VRS1
55,00	55,20	6,00	V	2012V★↗	32	—	—	—	V	800455	VRS2
2.165	2.173	.236				—	—	.563		99171	Redi-Sleeve
55,00	55,20	8,00	H	710264★↗	32	2.228	2.185	.056	S	*9087	#
2.165	2.173	.236				2.437	2.441	.468	L	50327	5L
55,00	55,20	8,00	S	43X55X8★	32	2.561	2.565	.500	V	442251V	44
2.165	2.173	.315				2.561	2.565	.500	S	442251	44
55,00	55,25	8,00	S	1183★	34	2.561	2.565	.500	S	473336	47
2.165	2.175	.315				2.562	2.566	.500	F	*205051	205
57,00	57,20	8,00	S	*43X57X8★	32	2.623	2.627	.500	S	450068	45
2.244	2.252	.315				2.875	2.879	.468	L	50081	5L
57,75	58,00	8,00	S	*43X58X8★	32	2.996	3.000	.375	F	6101	29
2.273	2.283	.315				1.730" SHAFT					
58,47	58,62	7,50	S	710159★	#	—	—	—	S	800450	VRS1
2.302	2.308	.295				—	—	—	S	800451	VRS2
60,00	60,30	8,00	S	320583★↗	32	—	—	—	V	800454	VRS1
2.362	2.374	.315				—	—	—	V	800455	VRS2
61,75	62,00	8,00	S	*43X62X8★	32	2.336	2.340	.250	S	6840S	4S
2.431	2.441	.315				2.336	2.340	.280	F	7607	#
61,75	62,00	12,00	S	*43X62X12★	32	2.336	2.340	.470	N	8121S	25
2.431	2.441	.472				2.758	2.762	.882	S	*7729	39
62,00	62,10	9,50	S	224320★	47	2.834	2.838	.375	S	*483602	48
2.441	2.445	.374				2.834	2.838	.468	S	*483326	48
62,00	62,10	9,50	S	*474137★	47	2.875	2.879	.468	S	*473559	47
2.441	2.445	.374				44,00mm (1.732") SHAFT					
2.480	2.488	.394	S	710431	#	—	—	—	S	800450	VRS1
65,00	65,20	8,00	S	43X65X8★	32	—	—	—	S	800451	VRS2
2.559	2.567	.315				—	—	—	V	800454	VRS1
65,04	65,14	9,50	S	710387★	47	—	—	—	V	800455	VRS2
2.561	2.565	.374				53,75	54,00	7,00	S	*44X54X7★	32
65,75	66,00	10,00	S	*43X66X10★	32	2.116	2.126	.276			
2.588	2.598	.394				58,00	58,20	8,00	S	*44X58X8★	32
69,00	69,20	8,00	S	*43X69X8★	32	2.283	2.291	.315			
2.717	2.724	.315				59,00	59,23	6,80	N	224450★↗	35
70,00	70,20	9,00	S	710142★	#	2.323	2.332	.268			
2.756	2.764	.354				59,75	60,00	9,00	S	*44X60X9★	32
73,00	73,20	8,00	S	*43X73X8★	32	2.352	2.362	.354			
2.874	2.882	.315				60,00	60,20	7,00	S	44X60X7★	32
1.694" SHAFT						2.362	2.370	.276			
.000	2.462	.433	V	710513	#	60,00	60,20	10,00	S	44X60X10★	35
1.703" SHAFT						2.362	2.370	.394			
—	—	—	S	800450	VRS1	60,00	60,28	10,00	H	224460★↗	32
—	—	—	S	800451	VRS2	2.362	2.373	.394			
—	—	—	V	800454	VRS1	61,75	62,00	7,00	S	*44X62X7★	32
—	—	—	V	800455	VRS2	2.431	2.441	.276			
3.030	3.039	.500	S	710067↔↗	69	61,75	62,00	10,00	S	*44X62X10★	32
3.084	3.090	.500	S	3747↔↗	69	2.431	2.441	.394			
1.705" SHAFT											
—	—	—	S	800450	VRS1						
—	—	—	S	800451	VRS2						
—	—	—	V	800454	VRS1						
—	—	—	V	800455	VRS2						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↗ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-Bidirectional

★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
44.00mm (1.732") SHAFT (cont.)						1.750" (1-3/4") SHAFT					
62.00	62.26	8.00	S	44X62X8★↔↔	32	—	—	—	S	800450	VRS1
2.441	2.451	.315	—	—	—	—	—	—	S	800451	VRS2
62.00	62.26	8.00	S	224462★↔↔	32	—	—	—	V	800454	VRS1
2.441	2.451	.315	—	—	—	—	—	—	V	800455	VRS2
62.00	62.28	10.00	N	224464★↔	32	—	—	.375		99172	Redi-Sleeve
2.441	2.452	.394	—	—	—	—	—	.531		* 99180	Redi-Sleeve
64.75	65.00	11.00	S	*44X65X11★	32	—	—	.563		99174	Redi-Sleeve
2.549	2.559	.433	—	—	—	—	—	.750		99175	Redi-Sleeve
65.00	65.20	11.00	S	224465★↔	32	—	—				
2.559	2.567	.433	—	—	—	2.250	—	.250	U	710024	#
65.00	65.28	10.00	S	44X65X10★	35	2.250	2.254	.250	S	42352S	4S
2.559	2.570	.394	—	—	—	2.250	2.254	.359	S	*450400V	45
66.00	66.10	6.00	S	710223★	#	2.250	2.254	.359	V	*450400V	45
2.598	2.602	.236	—	—	—	2.250	2.258	.187	S	6703S	35
68.00	68.30	8.00	N	350609★↔	35	2.250	2.258	.250	S	340400	34
2.677	2.689	.315	—	—	—	2.250	2.258	.250	H	*340400H	34
69.75	70.00	12.00	S	*44X70X12★	32	2.328	2.332	.437	S	482126	48
2.746	2.756	.472	—	—	—	2.374	2.378	.250	S	*41206S	4S
70.00	70.20	8.00	S	44X70X8★	32	2.374	2.378	.312	S	*473237	47
2.756	2.764	.315	—	—	—	2.374	2.378	.312	V	*473237V	47
72.00	72.11	10.00	S	44X72X10★	32	2.374	2.378	.312	S	*483237	48
2.835	2.839	.394	—	—	—	2.374	2.378	.375	S	*471288	47
72.00	72.11	10.00	S	224470★	35	2.374	2.378	.375	N	*471288N	47
2.835	2.839	.394	—	—	—	2.374	2.378	.375	S	*481288	48
74.00	74.20	11.00	S	710525★	#	2.374	2.378	.437	S	*472246	47
2.913	2.921	.433	—	—	—	2.374	2.378	.437	S	*482246	48
80.00	80.12	8.00	S	710115★↔↔	98	2.374	2.378	.484	S	710062	#
3.150	3.154	.315	—	—	—	2.374	2.378	.500	S	*410929	41
90.00	90.10	9.00	N	710283★	#	2.374	2.378	.500	S	*450929	45
3.543	3.547	.354	—	—	—	2.374	2.378	.500	S	*470929	47
92.00	92.28	12.50	S	710208★	#	2.374	2.378	.500	S	*480929	48
3.622	3.633	.492	—	—	—	2.374	2.379	.250	S	204503	204
1.734" SHAFT						2.374	2.381	.437	S	7486S	35
—	—	—	S	800450	VRS1	2.411	2.415	.380	N	*451169N	45
—	—	—	S	800451	VRS2	2.411	2.415	.380	S	*471169	47
—	—	—	V	800454	VRS1	2.411	2.415	.380	N	*471169N	47
—	—	—	V	800455	VRS2	2.412	2.416	.468	S	*481243	48
2.400	2.405	.230	S	8705S	277	2.436	2.441	.300	S	*4771S↔↔	#
2.726	2.730	.500	L	5836	201	2.437	2.441	.250	S	43071S	4S
2.835	2.839	.312	S	*484103	48	2.437	2.441	.312	S	*471504	47
1.739" SHAFT						2.437	2.441	.312	V	*471504V	47
—	—	—	S	800450	VRS1	2.437	2.441	.312	S	*481504	48
—	—	—	S	800451	VRS2	2.437	2.441	.312	H	*481504H	48
—	—	—	V	800454	VRS1	2.437	2.441	.375	S	*471122	47
—	—	—	V	800455	VRS2	2.437	2.441	.375	S	*481122	48
—	—	.375		99170	Redi-Sleeve	2.437	2.441	.375	U	710013	#
2.812	2.816	.594	S	*9844&	#	2.437	2.441	.468	S	*450351	45
2.812	3.270	.593	N	8460N&	74	2.437	2.441	.468	N	*450351N	45
3.000	3.008	.500	S	6818	71	2.437	2.441	.468	S	470351	47
1.748" SHAFT						2.437	2.441	.468	S	*480351	48
—	—	—	S	800450	VRS1	2.437	2.441	.468	H	*480351H	48
—	—	—	S	800451	VRS2	2.437	2.441	.500	S	*452418	45
—	—	—	V	800454	VRS1	2.440	2.445	.468	S	*203007	203
—	—	—	V	800455	VRS2	2.440	2.445	.468	S	*204007	204
—	—	.375		99172	Redi-Sleeve	2.441	2.445	.375	S	*471831	47
—	—	.531		* 99180	Redi-Sleeve	2.441	2.445	.375	H	*471831H	47
—	—	.563		99174	Redi-Sleeve	2.441	2.445	.375	N	*471831N	47
—	—	.750		99175	Redi-Sleeve	2.441	2.445	.375	V	*471831V	47
2.619	2.627	.330	N	4950	88	2.449	2.453	.312	S	*473157	47
2.623	2.627	.330	N	3227↔	83	2.497	2.501	.500	S	*483565	48
3.229	3.238	.335	H	3583↔	83	2.500	2.504	.375	S	*483503	48
						2.500	2.504	.484	S	710389	7S
						2.500	2.508	.375	T	354040	35
						2.502	2.506	.250	S	40494S	4S
						2.502	2.506	.250	S	*50352	5S
						2.502	2.506	.312	N	*452164N	45
						2.502	2.506	.312	S	*472164	47
						2.502	2.506	.312	A	472164A	47
						2.502	2.506	.312	V	*472164V	47
						2.502	2.506	.312	S	*482164	48
						2.502	2.506	.312	N	482164N	48

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.750" (1-3/4") SHAFT (cont.)						1.750" (1-3/4") SHAFT (cont.)					
2.502	2.506	.375	S	450494	45	2.750	2.754	.500	S	*410183	41
2.502	2.506	.375	S	*470494	47	2.750	2.754	.500	N	410183N	41
2.502	2.506	.375	N	*470494N	47	2.750	2.754	.500	S	450183	45
2.502	2.506	.375	S	*480494	48	2.750	2.754	.500	N	*450183N	45
2.502	2.506	.375	N	*480494N	48	2.750	2.754	.500	V	*450183V	45
2.502	2.506	.406	H	451147H	45	2.750	2.754	.500	S	*470183	47
2.502	2.506	.406	N	*451147N	45	2.750	2.754	.500	N	*470183N	47
2.502	2.506	.500	S	*410352	41	2.750	2.754	.500	S	*480183	48
2.502	2.506	.500	S	450352	45	2.750	2.754	.500	H	*480183H	48
2.502	2.506	.500	H	*450352H	45	2.758	2.762	.375	S	473447	47
2.502	2.506	.500	N	*450352N	45	2.758	2.762	.500	S	*410155	41
2.502	2.506	.500	S	*470352	47	2.758	2.762	.500	S	*450155	45
2.502	2.506	.500	H	*470352H	47	2.758	2.762	.500	S	*470155	47
2.502	2.506	.500	S	*480352	48	2.758	2.762	.500	S	*480155	48
2.502	2.506	.680	L	7834	#	2.783	2.787	.531	L	50289	5L
2.502	2.506	.750	S	*7731	2S	2.786	2.876	.285	S	200600%	200E
2.561	2.565	.250	S	204502	204	2.810	2.814	.315	S	712260	47
2.561	2.565	.500	V	470361V	47	2.875	2.879	.375	V	471141V	47
2.561	2.565	.500	S	*410361	41	2.875	2.879	.375	S	471141	47
2.561	2.565	.500	S	450361	45	2.875	2.879	.468	S	*410291	41
2.561	2.565	.500	S	470361	47	2.875	2.879	.468	N	*410291N	41
2.561	2.565	.500	S	*480361	48	2.875	2.879	.468	S	450291	45
2.561	2.566	.312	S	472193	47	2.875	2.879	.468	N	450291N	45
2.561	2.566	.500	S	*204015	204	2.875	2.879	.468	V	*450291V	45
2.562	2.566	.500	S	203015	203	2.875	2.879	.468	S	*470291	47
2.562	2.566	.500	F	205015	205	2.875	2.879	.468	S	*480291	48
2.565	2.570	.312	S	473796	47	2.875	2.879	.500	S	*481067	48
2.566	2.574	.311	S	324941	32	2.875	2.880	.500	S	6949S	274
2.621	2.625	.937	V	710428	87	2.983	2.987	.438	S	5711	41
2.623	2.627	.250	S	*43092S	4S	2.996	3.001	.375	S	473448	47
2.623	2.627	.290	S	200335	200	2.996	3.001	.437	S	*411983	41
2.623	2.627	.312	V	472185V	47	2.996	3.001	.500	S	*410359	41
2.623	2.627	.312	S	472185	47	2.996	3.001	.500	S	*450359	45
2.623	2.627	.312	S	*482185	48	2.996	3.001	.500	S	*470359	47
2.623	2.627	.375	S	*481019	48	2.996	3.001	.500	S	*480359	48
2.623	2.627	.500	S	*50070	5S	3.000	3.005	.250	S	204501	204
2.623	2.627	.500	F	*290070	29	3.000	3.005	.375	S	471984	47
2.623	2.627	.500	S	*410070	41	3.000	3.005	.375	N	*471984N	47
2.623	2.627	.500	N	*410070N	41	3.000	3.005	.375	S	*481984	48
2.623	2.627	.500	S	450070	45	3.000	3.005	.375	N	*481984N	48
2.623	2.627	.500	H	*450070H	45	3.000	3.005	.500	S	*410719	41
2.623	2.627	.500	N	*450070N	45	3.000	3.005	.500	S	*450719	45
2.623	2.627	.500	V	*450070V	45	3.000	3.005	.500	H	*450719H	45
2.623	2.627	.500	S	*470070	47	3.000	3.005	.500	S	*470719	47
2.623	2.627	.500	S	*480070	48	3.000	3.005	.500	H	*470719H	47
2.623	2.627	.500	N	*480070N	48	3.000	3.005	.500	S	*480719	48
2.624	2.628	.250	S	*443389	44	3.036	3.040	.500	S	*4302↔	47
2.630	2.930	.290	S	200912%	200E	3.061	3.066	.375	S	473313	47
2.686	2.690	.375	S	470334	47	3.061	3.066	.500	S	*410087	41
2.686	2.690	.437	S	*451879	45	3.061	3.066	.500	S	450087	45
2.686	2.690	.500	S	*410076	41	3.061	3.066	.500	S	*470087	47
2.686	2.690	.500	S	450076	45	3.061	3.066	.500	S	*480087	48
2.686	2.690	.500	N	*450076N	45	3.062	3.066	.485	S	710005	86
2.686	2.690	.500	V	*450076V	45	3.125	3.130	.500	S	*451350	45
2.686	2.690	.500	S	*470076	47	3.149	3.154	.291	S	*200303	200
2.686	2.690	.500	S	*480076	48	3.153	3.159	.312	S	482267	48
2.686	2.690	.500	N	*480076N	48	3.189	3.193	.400	N	*9158	47
2.715	2.721	.437	S	323119	32	3.189	3.194	.437	S	*410088	41
2.716	2.721	.359	S	204038	204	3.189	3.194	.437	N	*410088N	41
2.716	2.721	.406	S	204002	204	3.189	3.194	.437	S	*450088	45
2.717	2.721	.406	S	203002	203	3.189	3.194	.437	S	470088	47
2.717	2.721	.468	S	*411030	41	3.189	3.194	.437	S	*480088	48
2.717	2.721	.468	S	*451030	45	3.371	3.376	.625	S	210945	21
2.718	2.722	.359	S	200354	200	3.543	3.548	.500	S	455336	45
2.718	2.728	.294	S	200854%	200E	3.937	3.942	.312	S	476820	47
2.750	2.754	.250	S	*40183S	4S	1.751" SHAFT					
2.750	2.754	.312	V	472179V	47	2.533	2.608	.290	S	*200895%	200E
2.750	2.754	.312	S	472179	47						
2.750	2.754	.312	A	472179A	47						
2.750	2.754	.312	S	*482179	48						
2.750	2.754	.484	L	5827	201						
2.750	2.754	.500	S	*50183	5S						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-Bidirectional % External Bore

* Call 1-800-480-1212 For Price and Delivery

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
44,50mm (1.752") SHAFT						45,00mm (1.772") SHAFT (cont.)					
61,75	62,00	10,00	S	*44.5X62X10★	32	58,00	58,28	7,00	S	45X58X7★	35
2.431	2.441	.394				2.283	2.294	.276			
1.763" SHAFT						58,00	58,30	7,00	S	224510★	32
—	—	—	S	800450	VRS1	2.283	2.295	.276			
—	—	—	S	800451	VRS2	58,75	59,00	7,00	S	*45X59X7★	32
—	—	—	V	800454	VRS1	2.313	2.323	.276			
—	—	—	V	800455	VRS2	58,75	59,00	10,00	S	*45X59X10★	32
—	—	.563		99176	Redi-Sleeve	2.313	2.323	.394			
2.126	2.134	.382	S	1906	31	59,00	59,28	7,50	S	710193★	32
2.409	2.416	.375	V	9845V	47	2.323	2.334	.295			
2.409	2.416	.375	V	9845V	47	59,75	60,00	9,00	S	*45X60X9★	32
2.409	2.416	.380	V	*3517V	47	2.352	2.362	.354			
2.409	2.416	.380	S	*3517	47	59,75	60,00	12,00	S	*45X60X12★	32
2.412	2.416	.375	S	6936S	45	2.352	2.362	.472			
2.412	2.416	.468	S	*410375	41	60,00	60,20	7,00	S	45X60X7★	35
2.412	2.416	.468	S	*480375	48	2.362	2.370	.276			
1.765" SHAFT						60,00	60,20	8,00	S	45X60X8★	35
—	—	—	S	800450	VRS1	2.362	2.370	.315			
—	—	—	S	800451	VRS2	60,00	60,20	8,00	V	*45X60X8V★	35
—	—	—	V	800454	VRS1	2.362	2.370	.315			
—	—	—	V	800455	VRS2	60,00	60,25	10,00	S	45X60X10★	32
—	—	.563		99176	Redi-Sleeve	2.362	2.372	.394			
2.412	2.416	.468	S	450375	45	60,00	60,25	10,00	N	*1184★	35
1.771" SHAFT						2.362	2.372	.394			
—	—	—	S	800450	VRS1	60,00	60,25	10,00	S	224520★	35
—	—	—	S	800451	VRS2	2.362	2.372	.394			
—	—	—	V	800454	VRS1	60,00	60,25	10,00	S	224520★	35
—	—	—	V	800455	VRS2	2.362	2.372	.394			
—	—	.551		99177	Redi-Sleeve	60,00	60,25	10,80	N	2440★	69
2.500	2.504	.359	H	*4075	#	2.362	2.372	.425			
2.500	2.504	.359	H	714075	#	61,00	61,16	9,00	V	*484236V★	48
2.622	2.628	.500	T	354041	35	2.402	2.408	.354			
3.656	3.656	.282	S	1952	54	61,75	62,00	7,00	S	*45X62X7★	32
45,00mm (1.772") SHAFT						2.431	2.441	.276			
—	—	—	S	800450	VRS1	61,75	62,00	9,00	S	*45X62X9★	32
—	—	—	S	800451	VRS2	2.431	2.441	.354			
—	—	—	V	800454	VRS1	61,75	62,00	10,00	S	*45X62X10★	32
—	—	—	V	800455	VRS2	2.431	2.441	.394			
—	—	.551		99177	Redi-Sleeve	61,75	62,00	12,00	S	*45X62X12★	32
53,75	54,00	4,50	S	*45X54X4.5★	32	2.431	2.441	.472			
2.116	2.126	.177				61,90	62,00	10,00	S	*323871★	32
54,75	55,00	5,00	S	*45X55X5★	32	2.437	2.441	.394			
2.155	2.165	.197				62,00	62,10	6,00	S	494122★	49
54,75	55,00	7,00	S	*45X55X7★	32	2.441	2.445	.236			
2.155	2.165	.276				62,00	62,10	9,00	S	710321★	47
54,75	55,00	8,00	S	*45X55X8★	32	2.441	2.445	.354			
2.155	2.165	.315				62,00	62,10	10,16	S	*1997★	#
54,75	55,00	10,00	S	*45X55X10★	32	2.441	2.445	.400			
2.155	2.165	.394				62,00	62,15	8,00	V	710078★	47
55,75	56,00	6,00	S	*45X56X6★	32	2.441	2.447	.315			
2.195	2.205	.236				62,00	62,20	8,00	V	*45X62X8V★	35
55,75	56,00	8,00	S	*45X56X8★	32	2.441	2.449	.315			
2.195	2.205	.315				62,00	62,30	8,00	S	45X62X8★	35
56,75	57,00	5,50	S	*45X57X5.5★	32	2.441	2.453	.315			
2.234	2.244	.217				62,00	62,30	8,00	S	1012★	35
56,75	57,00	9,00	S	*45X57X9★	32	2.441	2.453	.315			
2.234	2.244	.354				62,00	62,30	8,00	S	1012N★	35
57,75	58,00	8,00	S	*45X58X8★	32	2.441	2.453	.315			
2.273	2.283	.315				62,00	62,30	10,00	S	*1185★	32
57,75	58,00	10,00	S	*45X58X10★	32	2.441	2.453	.394			
2.273	2.283	.394				62,00	62,30	12,00	S	*2013★	32
						2.441	2.453	.472			
						62,75	63,00	7,00	S	*45X63X7★	32
						2.470	2.480	.276			
						63,25	63,50	10,00	S	*45X63.5X10★	32
						2.490	2.500	.394			
						63,75	64,00	7,00	S	*45X64X7★	32
						2.510	2.520	.276			
						63,75	64,00	10,00	S	*45X64X10★	32
						2.510	2.520	.394			
						64,00	64,11	11,86	S	1951★&	87
						2.520	2.524	.467			
						64,00	64,11	16,40	S	*3966★	#
						2.520	2.524	.646			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
45,00mm (1.772") SHAFT (cont.)						45,00mm (1.772") SHAFT (cont.)					
64,00	64,27	12,00	S	239155★	#	72,20	72,34	7,50	S	*444118★	44
2,520	2,530	.472				2,843	2,848	.295			
64,00	64,26	13,00	S	1939★	#	74,25	74,50	12,00	S	*45X74.5X12★	32
2,520	2,530	.512				2,923	2,933	.472			
64,00	64,25	19,00	S	1938★	#	74,75	75,00	8,00	S	*45X75X8★	32
2,520	2,530	.748				2,943	2,953	.315			
64,75	65,00	7,00	S	*45X65X7★	32	74,75	75,00	10,00	S	*45X75X10★	32
2,549	2,559	.276				2,943	2,953	.394			
64,75	65,00	9,00	S	*45X65X9★	32	74,75	75,00	12,00	S	*45X75X12★	32
2,549	2,559	.354				2,943	2,953	.472			
64,75	65,00	10,00	S	*45X65X10★	32	75,00	75,10	12,00	N	1979★➡	47
2,549	2,559	.394				2,953	2,957	.472			
64,75	65,00	12,00	S	*45X65X12★	32	75,00	75,20	7,00	S	45X75X7★	32
2,549	2,559	.472				2,953	2,961	.276			
65,00	65,10	5,00	S	1992★	47	75,00	75,20	10,00	V	*45X75X10V★	32
2,559	2,563	.197				2,953	2,961	.394			
65,00	65,10	5,00	S	*3985★	#	77,72	78,00	12,00	S	*45X78X12★	32
2,559	2,563	.197				3,060	3,071	.472			
65,00	65,20	8,00	V	*45X65X8V★	35	78,00	78,10	11,00	N	710248★➡	66
2,559	2,567	.315				3,071	3,075	.433			
65,00	65,28	8,00	S	45X65X8★	32	79,72	80,00	12,00	S	*45X80X12★	32
2,559	2,570	.315				3,139	3,150	.472			
65,00	65,28	8,00	S	224550★	35	80,00	80,28	10,00	S	45X80X10★	32
2,559	2,570	.315				3,150	3,161	.394			
65,75	66,00	10,00	S	*45X66X10★	32	81,72	82,00	12,00	S	*45X82X12★	32
2,588	2,598	.394				3,217	3,228	.472			
66,00	66,24	7,50	S	710160★	#	82,00	82,20	8,00	S	*45X82X8★	32
2,598	2,608	.295				3,228	3,236	.315			
67,00	67,20	8,00	S	710289★➡	32	84,72	85,00	12,00	S	*45X85X12★	32
2,638	2,646	.315				3,335	3,346	.472			
67,75	68,00	8,00	S	*45X68X8★	32	85,00	85,20	10,00	S	45X85X10★	35
2,667	2,677	.315				3,346	3,354	.394			
67,75	68,00	9,00	S	*45X68X9★	32	85,00	85,25	13,00	S	45X85X13★	45
2,667	2,677	.354				3,346	3,356	.512			
67,75	68,00	10,00	S	*45X68X10★	32	89,72	90,00	10,00	S	*45X90X10★	32
2,667	2,677	.394				3,532	3,543	.394			
67,75	68,00	12,00	S	*45X68X12★	32	98,00	98,10	10,50	N	710364★	#
2,667	2,677	.472				3,858	3,862	.413			
68,00	68,20	10,00	V	*45X68X10V★	35	99,72	100,00	10,00	S	*45X100X10★	32
2,677	2,685	.394				3,926	3,937	.394			
68,00	68,20	12,00	S	710345★➡	32	1.775" SHAFT					
2,677	2,685	.472				-	-	-	S	800450	VRS1
68,00	68,28	7,00	S	45X68X7★	32	-	-	-	S	800451	VRS2
2,677	2,688	.276				-	-	-	V	800454	VRS1
68,00	68,28	7,00	S	224560★	32	-	-	-	V	800455	VRS2
2,677	2,688	.276				-	-	.551		99177	Redi-Sleeve
68,00	68,28	7,00	V	320564★	32	-	-				
2,677	2,688	.276				-	1.970	.365	S	710095	#
68,05	68,30	7,00	S	*45X68.3X7★	32	1.781" (1-25/32") SHAFT					
2,679	2,689	.276				-	-	-	S	800450	VRS1
69,75	70,00	12,00	S	*45X70X12★	32	-	-	-	S	800451	VRS2
2,746	2,756	.472				-	-	-	V	800454	VRS1
70,00	70,18	10,00	S	45X70X10★	32	-	-	-	V	800455	VRS2
2,756	2,763	.394				-	-	.675		99179	Redi-Sleeve
71,75	72,00	8,00	S	*45X72X8★	32	2,251	2,259	.375	S	321460	32
2,825	2,835	.315				2,500	2,505	.312	T	39925➡	FW-H
72,00	72,20	8,00	V	*45X72X8V★	32	2,502	2,506	.312	S	452742	45
2,835	2,843	.315				2,623	2,627	.500	L	50266	5L
72,00	72,20	12,00	N	710270★	32	2,686	2,690	.500	S	450269	45
2,835	2,843	.394				2,686	2,690	.500	S	*480269	48
72,00	72,25	10,00	S	45X72X95★	32	2,750	2,754	.500	S	450285	45
2,835	2,844	.394				2,758	2,762	.500	S	450280	45
72,00	72,28	7,00	S	45X72X7★	35	3,189	3,194	.437	S	450089	45
2,835	2,846	.276				3,189	3,194	.437	S	*480089	48
72,00	72,28	12,00	S	45X72X12★	35	1.787" SHAFT					
2,835	2,846	.472				-	-	-	S	800450	VRS1
72,00	72,28	12,00	S	224570★	35						
2,835	2,846	.472									
72,20	72,34	7,50	S	1943★	44						
2,843	2,848	.295									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.787" SHAFT (cont.)						46,00mm (1.811") SHAFT (cont.)					
-	-	-	S	800451	VRS2	68,00	68,20	8,00	S	*46X68X8★	32
-	-	-	V	800454	VRS1	2.677	2.685	.315			
-	-	-	V	800455	VRS2	68,50	68,70	7,50	S	710161★	#
3.228	3.238	.335	N	4918	83	2.697	2.705	.295			
3.229	3.238	.335	N	4072➡	83	69,40	69,60	10,00	S	710128★	#
3.229	3.238	.335	N	4072N➡	83	2.732	2.740	.394			
1.790" SHAFT						69,40	69,60	11,00	S	710126★	#
.000	2.488	.275	V	710521	32	2.732	2.740	.433			
1.796" SHAFT						70,00	70,10	8,00	S	710238★➡	32
-	-	-	S	800450	VRS1	2.756	2.760	.315			
-	-	-	S	800451	VRS2	70,00	70,20	8,00	S	46X70X8★	32
-	-	-	V	800454	VRS1	2.756	2.764	.315			
-	-	-	V	800455	VRS2	61,00	61,20	8,00	S	710260★◄	32
2.524	2.800	.599	S	8314	#	2.756	2.764	.315			
2.725	2.730	.500	L	6781	201	72,00	72,20	8,00	S	*46X72X8★	32
1.803" SHAFT						2.835	2.843	.315			
-	-	-	S	800450	VRS1	73,00	73,20	8,00	S	*46X73X8★	32
-	-	-	S	800451	VRS2	2.874	2.882	.315			
-	-	-	V	800454	VRS1	94,50	94,70	8,00	S	710377★	#
-	-	-	V	800455	VRS2	3.720	3.728	.315			
2.965	2.969	.250	F	5070	29	1.812" (1-13/16") SHAFT					
1.809" SHAFT						-	-	-	S	800450	VRS1
-	-	-	S	800451	VRS2	-	-	-	S	800451	VRS2
-	-	-	V	800454	VRS1	-	-	-	V	800454	VRS1
-	-	-	V	800455	VRS2	-	-	-	V	800455	VRS2
-	-	.563		99181	Redi-Sleeve	-	-	.563		99181	Redi-Sleeve
2.361	2.365	.380	S	4249&	287	2.250	2.258	.312	S	*6402S	35
46,00mm (1.811") SHAFT						2.327	2.332	.437	S	444116	44
-	-	-	S	800450	VRS1	2.437	2.441	.468	\$	451817	45
-	-	-	S	800451	VRS2	2.437	2.441	.468	S	471817	47
-	-	-	V	800454	VRS1	2.561	2.565	.437	S	*452872	45
-	-	-	V	800455	VRS2	2.561	2.566	.437	S	*203071	203
-	-	.563		99181	Redi-Sleeve	2.561	2.566	.500	S	203006	203
2.361	2.365	.380	S	4249&	287	2.561	2.566	.500	F	*205006	205
46,00mm (1.811") SHAFT						2.561	2.566	.500	F	*205006	205
-	-	-	S	800450	VRS1	2.562	2.566	.312	V	5133	48
-	-	-	S	800451	VRS2	2.562	2.567	.315	T	39930➡	FW-H
-	-	-	V	800454	VRS1	2.563	2.567	.375	T	39835➡	W
-	-	-	V	800455	VRS2	2.623	2.627	.375	\$	472070	47
-	-	.563		99181	Redi-Sleeve	2.623	2.627	.455	S	8181NA➡	74
53,75	54,00	9,00	S	*46X54X9★	32	2.623	2.627	.455	S	*9540➡	#
2.116	2.126	.354				2.623	2.627	.500	S	*450267	45
57,75	58,00	7,00	S	*46X58X7★	32	2.623	2.627	.500	N	*450267N	45
2.273	2.283	.276				2.623	2.627	.500	S	*470267	47
58,00	58,28	7,00	N	224650★➡	32	2.623	2.627	.500	V	*470267V	47
2.283	2.294	.276				2.623	2.627	.500	S	*480267	48
58,85	59,10	12,00	S	*46X59.1X12★	32	2.623	2.627	.615	S	3618➡	86
2.317	2.327	.472				2.624	2.629	.500	S	*482695N	48
59,00	59,20	8,00	S	*46X59X8★	32	2.686	2.690	.375	\$	471866	47
2.323	2.331	.315				2.686	2.690	.375	N	*471866N	47
59,75	60,00	7,00	S	*46X60X7★	32	2.686	2.690	.437	S	*451508	45
2.352	2.362	.276				2.686	2.690	.500	S	*450270	45
59,75	60,00	10,00	S	*46X60X10★	32	2.686	2.690	.500	S	*480270	48
2.352	2.362	.394				2.718	2.722	.270	S	7186S	200
60,00	60,20	8,00	S	*46X60X8★	32	2.718	2.727	.400	S	*200169	200
2.362	2.370	.315				2.750	2.754	.375	\$	473449	47
60,00	60,28	7,00	H	224660★➡	32	2.750	2.754	.500	S	450118	45
2.362	2.373	.276				2.750	2.754	.500	S	*480118	48
62,00	62,10	8,00	S	224662★	35	2.758	2.762	.500	S	*450281	45
2.441	2.445	.315				2.758	2.762	.500	S	480281	48
62,00	62,20	8,00	S	*46X62X8★	32	2.777	2.783	.416	S	*9190N&	47
2.441	2.449	.315				2.777	2.783	.575	V	3604➡	86
62,00	62,20	20,50	S	710394★	#	2.874	2.878	.290	S	*200334	200
2.441	2.449	.807				2.875	2.879	.375	\$	473450	47
63,00	63,40	7,70	N	224663★➡	35	2.875	2.879	.375	V	473450V	47
2.480	2.496	.303				2.875	2.879	.468	S	450116	45
65,00	65,20	7,00	S	46X65X7★	32	2.875	2.879	.468	S	*480116	48
2.559	2.567	.276				2.996	3.001	.500	S	*450193	45
						3.000	3.005	.455	S	*480193	48
										*3700➡	86

For Illustration and Material Data See Technical Section

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* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.812" (1-13/16") SHAFT (cont.)						1.843" (1-27/32") SHAFT (cont.)					
3.000	3.005	.455	S	7044NA➔	86	2.672	2.676	.187	N	*8250	#
3.091	3.096	.485	V	4278&	86	2.748	2.751	.425	V	714675◄➔	#
3.125	3.130	.375	S	481992	48	2.750	2.754	.375	S	473452	47
3.125	3.130	.500	S	*451993	45	2.750	2.754	.500	S	*450331	45
3.189	3.194	.437	S	*410090	41	2.750	2.754	.500	N	*450331N	45
3.189	3.194	.437	S	450090	45	2.750	2.754	.500	N	470331N	47
3.189	3.194	.437	S	*470090	47	2.750	2.754	.500	N	*480331N	48
3.189	3.194	.437	S	*480090	48	2.875	2.879	.375	S	473453	47
4.123	4.128	.746	L	6930	21	2.875	2.879	.468	S	*450293	45
1.813" SHAFT						47.00mm (1.850") SHAFT					
2.408	—	.300	S	710409%	#	—	—	—	S	800450	VRS1
1.815" SHAFT						—	—	—	S	800451	VRS2
—	—	—	S	800450	VRS1	—	—	—	V	800454	VRS1
—	—	—	S	800451	VRS2	—	—	—	V	800455	VRS2
—	—	—	V	800454	VRS1	0.00	61.98	10.29	S	710501★	#
—	—	—	V	800455	VRS2	.000	2.440	.405			
—	—	.563		99181	Redi-Sleeve	56.75	57.00	7.00	S	*47X57X7★	32
2.562	2.566	.562	S	2207	290	2.234	2.244	.276			
1.821" SHAFT						59.75	60.00	7.00	S	*47X60X7★	32
—	—	—	S	800450	VRS1	2.352	2.362	.276			
—	—	—	S	800451	VRS2	60.00	60.20	8.00	S	*47X60X8★	32
—	—	—	V	800454	VRS1	2.362	2.370	.315			
—	—	—	V	800455	VRS2	61.75	62.00	6.00	S	*47X62X6★	32
2.623	2.627	.250	S	44053	4S	2.431	2.441	.236			
1.825" SHAFT						62.00	62.10	9.00	S	710320★	48
—	—	—	S	800450	VRS1	2.441	2.445	.354			
—	—	—	S	800451	VRS2	62.00	62.20	8.00	S	47X62X8★	32
—	—	—	V	800454	VRS1	2.441	2.449	.315			
—	—	—	V	800455	VRS2	64.00	64.08	7.00	S	710191★	25
2.750	2.754	.468	S	7600S	47	2.520	2.523	.276			
1.830" SHAFT						64.00	64.28	14.00	S	1937★	#
—	—	—	S	800450	VRS1	2.520	2.531	.551			
—	—	—	S	800451	VRS2	64.75	65.00	10.00	S	*47X65X10★	32
—	—	—	V	800454	VRS1	2.549	2.559	.394			
—	—	—	V	800455	VRS2	65.00	65.20	8.00	S	47X65X8★	32
2.570	2.574	.250	L	6960	4L	2.559	2.567	.315			
2.570	2.574	.250	S	*8473S	29	66.00	66.10	11.00	S	710215★	66
46.50mm (1.831") SHAFT						2.598	2.602	.433			
—	—	—	S	800450	VRS1	68.00	68.27	10.00	S	47X68X10★	32
—	—	—	S	800451	VRS2	2.677	2.688	.394			
—	—	—	V	800454	VRS1	68.00	68.27	10.00	S	1187★	32
—	—	—	V	800455	VRS2	2.677	2.688	.394			
90.00	90.20	12.00	N	710397★	#	69.00	69.14	10.10	N	3606★◄➔	7S
3.543	3.551	.472				2.717	2.722	.398			
1.843" (1-27/32") SHAFT						70.00	70.20	10.00	S	47X70X10★	32
—	—	—	S	800450	VRS1	2.756	2.764	.394			
—	—	—	S	800451	VRS2	72.00	72.23	8.00	S	224772★	48
—	—	—	V	800454	VRS1	2.835	2.844	.315			
—	—	—	V	800455	VRS2	72.20	72.40	6.00	S	710337★	34
2.400	2.404	.235	F	291295	29	2.843	2.850	.236			
2.502	2.506	.375	S	471841	47	80.00	80.20	12.70	S	710150★	#
2.502	2.506	.500	S	*450783	45	3.150	3.157	.500			
2.502	2.506	.500	S	*470783	47	84.00	84.20	11.00	S	710143★	#
2.623	2.627	.250	S	*40268S	4S	3.307	3.315	.433			
2.623	2.627	.375	S	473451	47	1.869" SHAFT					
2.623	2.627	.500	S	*450268	45	—	—	—	S	800450	VRS1
2.623	2.627	.500	N	*450268N	45	—	—	—	S	800451	VRS2
2.623	2.627	.500	S	*480268	48	—	—	—	V	800454	VRS1
2.623	2.627	.500	N	*480268N	48	—	—	—	V	800455	VRS2
1.873" SHAFT						—	—	.889	99186	Redi-Sleeve	
—	—	—	S	800450	VRS1	2.518	2.522	.375	S	332062➔	33
						2.518	2.522	.437	S	*2102	#
						2.781	2.789	.354	S	1959	32
						3.744	3.749	.500	N	*456053N	45

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ◄➔ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.873" SHAFT (cont.)						1.875" (1-7/8") SHAFT (cont.)					
-	-	-	S	800451	VRS2	2.623	2.627	.500	S	*470071	47
-	-	-	V	800454	VRS1	2.623	2.627	.500	H	*470071H	47
-	-	-	V	800455	VRS2	2.623	2.627	.500	S	*480071	48
-	-	.175		99190	Redi-Sleeve	2.623	2.627	.500	V	*480071V	48
-	-	.295		*99188	Redi-Sleeve	2.624	2.628	.375	H	331227H➔	33
-	-	.375		*99184	Redi-Sleeve	2.625	2.629	.500	S	*452774	45
-	-	.563		99187	Redi-Sleeve	2.625	2.640	.433	T	712102➔	FW-H
2.684	2.684	.544	S	8521S%	200E	2.628	2.633	.347	F	6985	29
2.716	2.806	.281	S	200752%	200E	2.677	2.681	.375	N	710211➔	74
2.878	3.250	.875	S	*8632S	#	68.00	68.30	14.00	N	712516★➔	#
1.874" SHAFT						2.677	2.689	.551			
2.559	2.569	.335	V	712692	#	2.686	2.690	.375	S	471868	47
2.676	2.682	.410	N	4577	#	2.686	2.690	.500	S	*410272	41
3.159	3.163	.500	V	100712V	#	2.686	2.690	.500	S	*450272	45
3.159	3.163	.500	V	100715V	#	2.686	2.690	.500	S	*470272	47
1.875" (1-7/8") SHAFT						2.686	2.690	.500	S	*480272	48
-	-	-	S	800450	VRS1	2.687	2.762	.280	S	*200958%	200E
-	-	-	S	800451	VRS2	2.716	2.725	.394	S	710388➔	32
-	-	-	V	800454	VRS1	2.718	2.722	.468	F	*6110	29
-	-	-	V	800455	VRS2	2.720	2.725	.235	F	*7107A	29
-	-	.175		99190	Redi-Sleeve	2.750	2.754	.250	S	42421S	4S
-	-	.295		*99188	Redi-Sleeve	2.750	2.754	.312	S	*412572	41
-	-	.375		*99184	Redi-Sleeve	2.750	2.754	.312	S	472572	47
-	-	.563		99187	Redi-Sleeve	2.750	2.754	.312	S	*482572	48
2.315	2.321	.203	S	8362	33	2.750	2.754	.500	S	3946➔➔	86
2.397	2.403	.250	S	353120	35	2.750	2.754	.500	S	*410117	41
2.400	2.405	.240	S	*7679	44	2.750	2.754	.500	H	*410117H	41
2.400	2.405	.240	S	7934S	204	2.750	2.754	.500	N	*410117N	41
2.441	2.445	.325	S	1949	48	2.750	2.754	.500	S	450117	45
2.441	2.445	.325	S	*483801	48	2.750	2.754	.500	S	*470117	47
2.470	2.475	.437	S	472747	47	2.750	2.754	.500	H	*470117H	47
2.500	2.504	.437	N	*451162N	45	2.750	2.754	.500	N	*470117N	47
2.502	2.506	.312	S	473454	47	2.750	2.754	.500	S	*480117	48
2.502	2.506	.328	S	350823	35	2.758	2.762	.375	S	473179	47
2.502	2.506	.375	S	*452041	45	2.758	2.762	.425	V	*3028V➔	25
2.502	2.506	.375	S	472041	47	2.758	2.762	.425	N	6712NA➔	74
2.502	2.506	.375	N	*472041N	47	2.758	2.762	.437	S	*450654	45
2.502	2.506	.375	S	*482041	48	2.758	2.762	.437	N	*450654N	45
2.502	2.506	.375	N	482041N	48	2.758	2.762	.500	S	6460S	41
2.502	2.506	.406	S	*451447	45	2.758	2.762	.500	S	*410283	41
2.502	2.506	.500	S	*450823	45	2.758	2.762	.500	S	*450283	45
2.502	2.506	.500	S	*480823	48	2.758	2.762	.500	H	*450283H	45
2.502	2.511	.250	S	340823	34	2.758	2.762	.500	S	*470283	47
2.560	2.565	.406	N	2942➔	47	2.758	2.762	.500	H	*470283H	47
2.560	2.565	.406	N	*7782N	48	2.758	2.762	.500	N	*470283N	47
2.560	2.565	.468	S	*484247	48	2.758	2.762	.500	H	*480283	48
2.561	2.565	.500	S	441853	44	2.758	2.762	.500	H	*480283H	48
2.561	2.565	.500	S	*451853	45	2.782	2.786	.500	S	414045	41
2.561	2.565	.500	S	*471853	47	2.803	2.808	.433	S	*4310	285
2.561	2.565	.528	N	2692➔	76	2.812	2.816	.770	N	8515N&	74
2.561	2.571	.312	S	350936	35	2.812	3.000	.500	L	*7215	5L
2.561	2.571	.312	N	*350936N	35	2.813	2.817	.500	S	5126&	74
2.622	2.628	.380	H	*9927H➔	33	2.835	2.839	.375	S	473455	47
2.623	2.627	.250	S	40071S	4S	2.835	2.839	.468	S	*411463	41
2.623	2.627	.312	S	472439	47	2.835	2.839	.468	S	*451463	45
2.623	2.627	.312	A	472439A	47	2.835	2.839	.468	S	*471463	47
2.623	2.627	.312	V	472439V	47	2.835	2.839	.468	S	*481463	48
2.623	2.627	.312	S	*482439	48	2.873	2.877	.394	S	*2826	#
2.623	2.627	.500	S	*410071	41	2.875	2.879	.312	V	473238V	47
2.623	2.627	.500	N	*410071N	41	2.875	2.879	.312	S	473238	47
2.623	2.627	.500	S	*450071	45	2.875	2.879	.312	S	*483238	48
2.623	2.627	.500	H	*450071H	45	2.875	2.879	.312	V	483238V	48
2.623	2.627	.500	N	*450071N	45	2.875	2.879	.437	S	*411936	41
2.623	2.627	.500	H	*450071H	45	2.875	2.879	.437	N	*411936N	41
2.623	2.627	.500	N	*450071N	45	2.875	2.879	.437	S	*451936	45
2.623	2.627	.500	H	*450071H	45	2.875	2.879	.437	H	*451936H	45
2.623	2.627	.500	N	*450071N	45	2.875	2.879	.437	V	*451936V	45
2.623	2.627	.500	H	*450071H	45	2.875	2.879	.437	S	*471936	47
2.623	2.627	.500	N	*450071N	45	2.875	2.879	.437	S	*481936	48
2.623	2.627	.500	H	*450071H	45	2.875	2.879	.468	S	*410082	41
2.623	2.627	.500	N	*450071N	45	2.875	2.879	.468	H	*410082H	41
2.623	2.627	.500	V	*450071V	45	2.875	2.879	.468	S	450082	45

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ➔➔ Hydrodynamic Lip Design-Bidirectional % External Bore
 & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.875" (1-7/8") SHAFT (cont.)						1.875" (1-7/8") SHAFT (cont.)					
2.875	2.879	.468	N	*450082N	45	3.371	3.376	.468	S	*470524	47
2.875	2.879	.468	S	*470082	47	3.371	3.376	.468	S	*480524	48
2.875	2.879	.468	S	*480082	48	3.375	4.812	.312	S	7105S	#
2.875	2.879	.500	S	*3329	#	3.500	3.505	.500	S	*477609	47
2.875	2.879	.500	S	*450779	45	4.010	4.014	1.000	L	6127	31
2.875	2.886	.625	U	710019	#	4.331	4.336	.500	S	477105	47
2.877	2.865	.470	S	9912¶	25	1.880" SHAFT					
2.877	2.865	.490	S	*2689¶	56	-	-	-	S	800450	VRS1
2.877	2.865	.490	S	2689S	25	-	-	-	S	800451	VRS2
2.901	2.907	.315	S	*4051	#	-	-	-	V	800454	VRS1
2.965	2.969	.250	F	6064	29	-	-	-	V	800455	VRS2
2.995	3.000	.375	F	*5970	29	2.398	2.414	.250	S	*6910S	35
2.995	3.000	.437	S	203034	203	2.562	2.566	.250	S	9049	25
2.996	3.000	.375	S	*473456	47	2.562	2.566	.250	S	9049N	25
2.996	3.001	.375	L	6547	201	3.169	3.176	.480	V	100086	#
2.996	3.001	.500	S	*410084	41	1.886" SHAFT					
2.996	3.001	.500	S	450084	45	-	-	-	S	800450	VRS1
2.996	3.001	.500	S	*470084	47	-	-	-	S	800451	VRS2
2.996	3.001	.500	S	*480084	48	-	-	-	V	800454	VRS1
2.998	3.002	.375	F	*290944	29	-	-	-	V	800455	VRS2
3.000	3.005	.312	S	473239	47	2.699	2.704	.350	N	4333N◆	79
3.000	3.005	.312	S	*483239	48	2.750	2.765	1.375	N	4503N◆	79
3.000	3.005	.375	S	*451139	45	2.756	2.756	.823	N	714503	#
3.000	3.005	.375	S	*471139	47	48,00mm (1.890") SHAFT					
3.000	3.005	.375	S	*481139	48	-	-	-	S	800450	VRS1
3.000	3.005	.375	H	*481139H	48	-	-	-	S	800451	VRS2
3.000	3.005	.500	S	*410298	41	-	-	-	V	800454	VRS1
3.000	3.005	.500	N	*410298N	41	-	-	-	V	800455	VRS2
3.000	3.005	.500	S	450298	45	-	-	-	S	800500	VRS1
3.000	3.005	.500	S	*470298	47	-	-	-	V	800504	VRS1
3.000	3.005	.500	S	*480298	48	-	-	-	V	800505	VRS2
3.000	3.005	.625	H	8165	#	-	-	.551	99189	Redi-Sleeve	
3.061	3.066	.375	S	473457	47	57,75	58,00	4,00	S	*48X58X4★	32
3.061	3.066	.500	S	*410304	41	2.273	2.283	.157			
3.061	3.066	.500	S	*450304	45	58,00	58,20	8,00	S	*48X58X8★	32
3.061	3.066	.500	H	*450304H	45	2.283	2.291	.315			
3.061	3.066	.500	S	*470304	47	58,75	59,00	6,00	S	*48X59X6★	32
3.061	3.066	.500	S	*480304	48	2.313	2.323	.236			
3.105	3.110	.500	L	7216&	47	59,75	60,00	8,00	S	*48X60X8★	32
3.125	3.130	.312	S	473240	47	2.352	2.362	.315			
3.125	3.130	.312	S	*483240	48	59,75	60,00	10,00	S	*48X60X10★	32
3.125	3.130	.375	S	*472005	47	2.352	2.362	.394			
3.125	3.130	.375	S	*482005	48	60,00	60,20	9,00	S	710356★◆	32
3.125	3.130	.500	S	*410720	41	2.362	2.370	.354			
3.125	3.130	.500	S	*450720	45	61,75	62,00	7,00	S	*48X62X7★	32
3.125	3.130	.500	S	*470720	47	2.431	2.441	.276			
3.125	3.130	.500	S	*480720	48	61,75	62,00	9,00	S	*48X62X9★	32
3.149	3.154	.359	S	*204047	204	2.431	2.441	.354			
3.150	3.146	.930	S	3186¶	59	61,75	62,00	10,00	S	*48X62X10★	32
3.150	3.146	.930	S	3195¶	59	2.431	2.441	.394			
3.150	3.155	.250	S	715100	#	61,75	62,00	12,00	S	*48X62X12★	32
3.160	3.165	.530	V	710452	72	2.431	2.441	.472			
3.160	3.165	.530	S	*4431	72	62,00	62,10	8,00	S	48X62X8★	35
3.160	3.165	.530	N	*4431N	72	2.441	2.445	.315			
3.160	3.165	.530	V	*4431V	72	62,00	62,10	8,00	S	224820★	32
3.160	3.165	.562	N	6808N	45	2.441	2.445	.315			
3.160	3.165	.695	N	9316	72	62,00	62,10	24,00	S	1956★	#
3.160	3.165	.720	V	719316	72	2.441	2.449	.945			
3.161	3.165	.695	V	100675	72	62,00	62,20	6,00	S	710322★	34
3.189	3.194	.375	S	473458	47	2.441	2.449	.236			
3.189	3.194	.437	S	*410092	41	62,00	62,20	8,00	V	*48X62X8V★	35
3.189	3.194	.437	S	*450092	45	2.441	2.449	.315			
3.189	3.194	.437	S	*470092	47	62,00	62,20	8,00	S	*320832★	32
3.189	3.194	.437	S	*480092	48	2.441	2.449	.315			
3.251	3.256	.437	S	*412022	41	62,00	62,25	6,00	S	1188★	34
3.251	3.256	.500	S	*411078	41	2.441	2.451	.236			
3.251	3.256	.500	S	451078	45						
3.251	3.256	.500	S	*471078	47						
3.251	3.256	.500	S	*481078	48						
3.350	3.355	.468	S	*452023	45						
3.371	3.376	.468	S	410524	41						
3.371	3.376	.468	S	*450524	45						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW & Flanged O.D.

¶ Expandable O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
48,00mm (1.890") SHAFT (cont.)						48,00mm (1.890") SHAFT (cont.)					
62,00	62,28	8,00	N	224810★	32	72,00	72,20	8,00	V	*48X72X8V★	35
2.441	2.452	.315				2.835	2.843	.315			
63,00	63,09	9,00	S	48X63X9★	47	72,00	72,28	10,00	S	224850★	32
2.480	2.484	.354				2.835	2.846	.394			
63,00	63,09	9,00	S	1969★	47	72,00	72,31	7,00	S	48X72X7★	32
2.480	2.484	.354				2.835	2.847	.276			
64,00	64,20	14,00	S	710167★	#	72,00	72,31	7,00	S	1208★	32
2.520	2.528	.551				2.835	2.847	.276			
64,75	65,00	7,00	S	*48X65X7★	32	72,00	72,35	8,50	S	224872★	32
2.549	2.559	.276				2.835	2.848	.335			
64,75	65,00	9,00	S	*48X65X9★	32	72,25	72,50	10,00	S	*48X72.5X10★	32
2.549	2.559	.354				2.844	2.854	.394			
64,75	65,00	12,00	S	*48X65X12★	32	73,00	73,10	7,00	S	224870★	47
2.549	2.559	.472				2.874	2.878	.276			
65,00	65,10	7,00	S	*493759★	49	73,75	74,00	10,00	S	*48X74X10★	32
2.559	2.563	.276				2.903	2.913	.394			
65,00	65,15	24,50	N	4528N★	66	73,75	74,00	12,00	S	*48X74X12★	32
2.559	2.565	.965				2.903	2.913	.472			
65,00	65,20	10,00	V	*48X65X10V★	32	74,00	74,23	10,00	S	224874★	32
2.559	2.567	.394				2.913	2.922	.394			
65,00	65,20	10,00	S	224865★	32	74,00	74,30	10,00	N	224815★	40
2.559	2.567	.394				2.913	2.925	.394			
65,00	65,30	8,00	S	1973★	25	74,75	75,00	12,00	S	*48X75X12★	32
2.559	2.571	.315				2.943	2.953	.472			
65,00	65,30	10,00	S	48X65X10★	32	75,00	75,20	10,00	S	48X75X10★	32
2.559	2.571	.394				2.953	2.961	.394			
65,00	65,30	10,00	V	716484★	32	78,00	78,20	8,00	S	*48X78X8★	32
2.559	2.571	.394				3.071	3.079	.315			
65,07	65,20	12,70	S	*2820★	#	79,72	80,00	10,00	S	*48X80X10★	32
2.562	2.567	.500				3.139	3.150	.394			
66,75	67,00	11,00	S	*48X67X11★	32	80,00	80,20	8,00	S	48X80X8★	32
2.628	2.638	.433				3.150	3.157	.315			
67,75	68,00	8,00	S	*48X68X8★	32	81,72	82,00	10,00	S	*48X82X10★	32
2.667	2.677	.315				3.217	3.228	.394			
68,00	68,27	10,00	N	48X68X10★	32	82,00	82,20	8,00	S	*48X82X8★	32
2.677	2.688	.394				3.228	3.236	.315			
68,00	68,27	10,00	N	224835★	32	84,72	85,00	10,00	S	*48X85X10★	32
2.677	2.688	.394				3.335	3.346	.394			
68,00	68,30	11,00	S	224840★	32	85,00	85,20	8,00	S	*48X85X8★	32
2.677	2.689	.433				3.346	3.354	.315			
68,58	68,68	14,78	S	9449★	74	88,00	88,20	8,00	S	*48X88X8★	32
2.700	2.704	.582				3.465	3.472	.315			
69,75	70,00	7,00	S	*48X70X7★	32	89,72	90,00	13,00	S	*48X90X13★	32
2.746	2.756	.276				3.532	3.543	.512			
69,75	70,00	10,00	S	*48X70X10★	32	90,00	90,20	10,00	S	48X90X10★	35
2.746	2.756	.394				3.543	3.551	.394			
69,75	70,00	12,00	S	*48X70X12★	32	108,50	108,70	13,00	S	710296★	#
2.746	2.756	.472				4.272	4.280	.512			
70,00	70,20	8,00	S	48X70X8★	35	1.893" SHAFT					
2.756	2.764	.315				-	-	-	S	800500	VRS1
70,00	70,20	9,00	S	710255★	#	-	-	-	V	800504	VRS1
2.756	2.764	.354				-	-	-	V	800505	VRS2
70,00	70,20	12,00	S	710313★	32	-	-	.551		99189	Redi-Sleeve
2.756	2.764	.472				2.434	2.438	.250	S	8704S	33
70,00	70,25	9,00	H	712010★	32	1.906" (1-29/32") SHAFT					
2.756	2.766	.354				-	-	-	S	800500	VRS1
70,00	70,28	9,00	S	48X70X9★	35	-	-	-	V	800504	VRS1
2.756	2.767	.394				-	-	-	V	800505	VRS2
70,25	70,50	10,00	S	*48X70.5X10★	32	3.189	3.194	.406	N	*8084N	45
2.766	2.776	.394				1.910" SHAFT					
71,37	0,00	17,78	N	710453★	#	-	-	-	S	800500	VRS1
2.810	.000	.700				-	-	-	V	800504	VRS1
71,75	72,00	8,00	S	*48X72X8★	32	-	-	-	V	800505	VRS2
2.825	2.835	.315				-	-	.375		*99192	Redi-Sleeve
71,75	72,00	9,00	S	*48X72X9★	32	2.760	2.760	.070	S	*8669	#
2.825	2.835	.354									
71,75	72,00	10,00	S	*48X72X10★	32						
2.825	2.835	.394									
71,75	72,00	12,00	S	*48X72X12★	32						
2.825	2.835	.472									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ⬅ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
1.915" SHAFT						1.937" (1-15/16") SHAFT (cont.)					
-	-	-	S	800500	VRS1	2.750	2.754	.312	S	473241	47
-	-	-	V	800504	VRS1	2.750	2.754	.312	S	*483241	48
-	-	-	V	800505	VRS2	2.750	2.754	.313	V	710162	48
-	-	.375		*99192	Redi-Sleeve	2.750	2.754	.500	S	*411937	41
2.532	2.548	.250	S	*7020	#	2.750	2.754	.500	S	*451937	45
2.533	2.537	.250	S	*6971S	33	2.750	2.754	.500	H	*451937H	45
49,00mm (1.929") SHAFT						2.758	2.762	.500	S	450279	45
-	-	-	S	800500	VRS1	2.824	2.828	.500	N	*451117N	45
-	-	-	V	800504	VRS1	2.875	2.879	.290	S	*200396	200
-	-	-	V	800505	VRS2	2.875	2.879	.312	S	472144	47
61,75	62,00	6,00	S	*49X62X6★	32	2.875	2.879	.312	S	*482144	48
2.431	2.441	.236				2.875	2.879	.437	S	*411940	41
62,00	62,15	8,00	S	4904★	66	2.875	2.879	.437	S	*471940	47
2.441	2.447	.315				2.875	2.879	.468	S	*410295	41
64,00	64,28	12,50	S	1936★	#	2.875	2.879	.468	N	*410295N	41
2.520	2.531	.492				2.875	2.879	.468	S	*450295	45
65,10	65,20	8,00	T	39877★↔	WW	2.875	2.879	.468	S	*480295	48
2.563	2.567	.315				2.996	3.001	.375	S	473460	47
70,00	70,10	12,50	S	710305★&	#	2.996	3.001	.437	S	*452006	45
2.756	2.760	.492				2.996	3.001	.500	S	*450145	45
72,20	72,50	8,00	S	710148★	97	2.996	3.001	.500	S	*480145	48
2.843	2.854	.315				3.000	3.005	.312	S	472394	47
75,75	76,00	15,00	S	*49X76X15★	32	3.000	3.005	.312	S	*482394	48
2.982	2.992	.591				3.000	3.005	.500	S	*410300	41
79,00	79,10	17,50	N	224979★→	47	3.000	3.005	.500	S	*450300	45
3.110	3.114	.689				3.000	3.005	.500	S	*470300	47
100,00	100,20	8,00	S	710374★	#	3.000	3.005	.500	S	*480300	48
3.937	3.945	.315				3.061	3.066	.375	S	473461	47
1.937" (1-15/16") SHAFT						3.061	3.066	.500	S	*450306	45
-	-	-	S	800500	VRS1	3.061	3.066	.500	S	*480306	48
-	-	-	V	800504	VRS1	3.125	3.130	.375	S	471391	47
-	-	-	V	800505	VRS2	3.125	3.130	.500	S	*410309	41
-	-	.563		99193	Redi-Sleeve	3.125	3.130	.500	S	*450309	45
2.412	2.416	.468	S	470409	47	3.125	3.130	.500	S	*470309	47
2.437	2.441	.250	S	474269	47	3.125	3.130	.500	S	*480309	48
2.500	2.510	.374	V	*320510V	32	3.155	3.160	.250	S	*40526S	4S
2.502	2.506	.375	S	*451195	45	3.189	3.194	.250	S	40094S	4S
2.502	2.506	.375	V	*451195V	45	3.189	3.194	.375	S	473462	47
2.502	2.506	.375	S	471195	47	3.189	3.194	.437	S	*410094	41
2.502	2.506	.375	S	481195	48	3.189	3.194	.437	S	450094	45
2.502	2.506	.375	N	*481195N	48	3.189	3.194	.437	N	450094N	45
2.561	2.565	.500	S	*411854	41	3.189	3.194	.437	S	470094	47
2.561	2.565	.500	S	471854	47	3.189	3.194	.437	S	*480094	48
2.562	2.566	.317	S	710058	48	3.350	3.355	.468	S	*410965	41
2.562	2.566	.437	S	*204079	204	3.350	3.355	.468	S	450965	45
2.562	2.567	.317	S	*480550	48	3.381	3.376	.667	S	*8398	39
2.578	2.830	.292	S	9150S	25	3.500	3.505	.250	S	45653S	4S
2.623	2.627	.312	S	472319	47	3.543	3.548	.375	S	417474	41
2.623	2.627	.312	V	*472319V	47	3.543	3.548	.500	S	*415130	41
2.623	2.627	.312	S	*482319	48	3.543	3.548	.500	S	*455130	45
2.623	2.627	.500	S	*450455	45	3.622	3.627	.375	F	6074	29
2.623	2.627	.500	S	*470455	47	3.623	3.628	.468	S	476509	47
2.623	2.627	.500	S	*480455	48	3.751	3.756	.500	S	456057	45
2.625	2.629	.375	S	*481166	48	3.930	3.935	.320	S	710081	#
2.686	2.690	.304	N	3173	48	1.938" SHAFT					
2.686	2.690	.312	H	483459H	48	2.680	.000	.500	N	710928	#
2.686	2.690	.312	S	473459	47	1.940" SHAFT					
2.686	2.690	.375	S	471869	47	-	-	-	S	800500	VRS1
2.686	2.690	.375	N	*471869N	47	-	-	-	V	800504	VRS1
2.686	2.690	.500	H	6988H	33	-	-	-	V	800505	VRS2
2.686	2.690	.500	S	*331882	33	-	-	.563		99193	Redi-Sleeve
2.686	2.690	.500	S	*410138	41	2.500	2.505	.250	S	*3447&	286
2.686	2.690	.500	S	*450138	45	2.500	2.505	.250	S	6815&	286
2.686	2.690	.500	V	470138V→	47	2.622	2.626	.580	S	5121	281
2.686	2.690	.500	S	*480138	48	2.762	2.766	.500	S	2043	47
2.686	2.690	.500	H	*480138H	48	2.812	2.816	.400	S	*3513	#
2.713	2.717	.468	S	*450655	45	2.813	2.817	.428	S	8622&	#

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use → Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
1.940" SHAFT (cont.)						50,00mm (1.969") SHAFT (cont.)					
2.900	2.910	.400	S	710281	74	63,75	64,00	10,00	S	*50X64X10★	32
2.909	2.914	.520	S	3896➡	76	2.510	2.520	.394			
1.945" SHAFT						64,00	64,10	6,50	S	1971★	47
—	—	—	S	800500	VRS1	2.520	2.524	.256			
—	—	—	V	800504	VRS1	64,10	64,19	6,50	S	710098★	71
—	—	—	V	800505	VRS2	2.524	2.527	.256			
2.891	2.895	.290	S	200371	200	64,75	65,00	9,00	S	*50X65X9★	32
1.956" SHAFT						2.549	2.559	.354			
—	—	—	S	800500	VRS1	64,75	65,00	10,00	S	*50X65X10★	32
—	—	—	V	800504	VRS1	2.549	2.559	.394			
—	—	—	V	800505	VRS2	65,00	65,10	14,00	S	3743★	66
2.963	2.968	.250	S	*41081S	4S	2.559	2.563	.551			
1.961" SHAFT						65,00	65,28	8,00	S	225010★	47
—	—	—	S	800500	VRS1	2.559	2.565	.315			
—	—	—	V	800504	VRS1	65,00	65,15	8,00	S	*470856★	47
—	—	—	V	800505	VRS2	2.559	2.565	.315			
3.543	3.548	.375	S	*477410	47	65,00	65,20	8,00	V	*50X65X8V★	32
1.968" SHAFT						2.559	2.567	.315			
—	—	—	S	800500	VRS1	65,00	65,20	8,00	N	710354★➡	32
—	—	—	V	800504	VRS1	2.559	2.567	.315			
—	—	—	V	800505	VRS2	65,00	65,28	8,00	S	50X65X8★	32
—	—	.551		99196	Redi-Sleeve	2.559	2.570	.315			
2.623	2.627	.312	S	473814	47	65,00	65,33	8,50	S	1209★	35
2.686	2.690	.370	H	7751H	33	2.559	2.572	.335			
2.686	2.690	.500	S	450472	45	65,30	65,53	8,00	S	710226★	32
2.742	2.746	.500	S	450911	45	2.571	2.580	.315			
2.742	2.746	.500	N	450911N	45	65,30	65,60	8,00	S	710529★	#
2.875	2.879	.468	S	450474	45	2.571	2.583	.315			
2.960	2.964	.250	S	40370S	4S	65,75	66,00	6,00	S	*50X66X6★	32
2.996	3.001	.500	L	50528	5L	2.588	2.598	.236			
3.350	3.355	.468	S	450111	45	66,00	66,22	8,00	V	*473810V★	47
3.371	3.376	.468	S	*450497	45	2.598	2.607	.315			
4.003	4.008	.437	V	*477673V	47	66,50	0,00	15,50	S	229522★	40
50,00mm (1.969") SHAFT						2.618	.000	.610			
—	—	—	S	800500	VRS1	66,50	66,62	9,52	S	474134★	47
—	—	—	V	800504	VRS1	2.618	2.623	.375			
—	—	—	V	800505	VRS2	66,75	67,00	9,00	S	*50X67X9★	32
—	—	.551		99196	Redi-Sleeve	2.628	2.638	.354			
59,75	60,00	8,00	S	*50X60X8★	32	66,75	67,00	10,00	S	*50X67X10★	32
2.352	2.362	.315				2.628	2.638	.394			
59,75	60,00	10,00	S	*50X60X10★	32	67,00	67,20	9,00	S	710357★	47
2.352	2.362	.394				2.638	2.646	.354			
60,00	60,25	6,00	S	710192★	32	67,00	67,27	11,00	S	1974★	97
2.362	2.372	.236				2.638	2.648	.433			
61,75	62,00	9,00	S	*50X62X9★	32	67,75	68,00	7,00	S	*50X68X7★	32
2.431	2.441	.354				2.667	2.677	.276			
61,75	62,00	10,00	S	*50X62X10★	32	67,75	68,00	9,00	S	*50X68X9★	32
2.431	2.441	.394				2.667	2.677	.354			
62,00	62,08	6,00	S	*331356★	33	67,75	68,00	10,00	S	*50X68X10★	32
2.441	2.444	.236				2.667	2.677	.394			
62,00	62,10	9,00	S	225008★	47	68,00	68,15	8,00	V	*483738V★	48
2.441	2.445	.354				2.677	2.683	.315			
62,00	62,28	7,00	S	50X62X7★	32	68,00	68,20	8,00	V	*50X68X8V★	32
2.441	2.452	.276				2.677	2.685	.315			
62,00	62,28	7,00	S	225005★	32	68,00	68,20	9,00	S	710420★➡	32
2.441	2.452	.276				2.677	2.685	.354			
62,75	63,00	8,00	S	*50X63X8★	32	68,00	68,27	7,00	S	710194★	32
2.470	2.480	.315				2.677	2.688	.276			
63,75	64,00	8,00	S	*50X64X8★	32	68,00	68,28	8,00	S	50X68X8★	35
2.510	2.520	.315				2.677	2.688	.315			
63,75	64,00	9,00	S	*50X64X9★	32	68,00	68,28	8,00	S	1948★	35
2.510	2.520	.354				2.677	2.688	.315			
						68,00	68,28	9,00	V	225020★➡	32
						2.677	2.688	.354			
						69,75	70,00	10,00	S	*50X70X10★	32
						2.746	2.756	.394			
						69,75	70,00	12,00	S	*50X70X12★	32
						2.746	2.756	.472			
						69,75	70,00	13,00	S	*50X70X13★	32
						2.746	2.756	.512			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
50,00mm (1.969") SHAFT (cont.)						50,00mm (1.969") SHAFT (cont.)					
70,00	70,10	7,00	S	413818★	41	80,00	80,28	8,00	S	50X80X8★	32
2.756	2.760	.276				3.150	3.161	.315			
70,00	70,10	9,00	S	*470824★	47	80,00	80,30	16,00	N	710112★↔	#
2.756	2.760	.354				3.150	3.161	.630			
70,00	70,10	11,00	H	*481371H★	48	80,72	81,00	12,00	S	*50X81X12★	32
2.756	2.760	.433				3.178	3.189	.472			
70,00	70,20	8,00	S	50X70X8★	32	81,72	82,00	12,00	S	*50X82X12★	32
2.756	2.764	.315				3.217	3.228	.472			
70,00	70,20	9,00	S	50X70X9★	32	82,00	82,18	11,50	S	225082★	#
2.756	2.764	.354				3.228	3.235	.453			
70,00	70,20	10,00	V	*50X70X10V★	35	84,72	85,00	10,00	S	*50X85X10★	32
2.756	2.764	.394				3.335	3.346	.394			
70,00	70,20	10,00	N	710173★	#	84,72	85,00	12,00	S	*50X85X12★	32
2.756	2.764	.394				3.335	3.346	.472			
70,00	70,20	14,00	S	710135★	#	85,00	85,20	8,00	S	50X85X8★	32
2.756	2.764	.551				3.346	3.354	.315			
70,00	70,23	9,00	S	1960★	47	86,00	86,30	13,00	N	710117★	#
2.756	2.765	.354				3.386	3.398	.512			
70,00	70,30	9,50	S	*1189★	32	88,00	88,20	8,00	S	*50X88X8★	32
2.756	2.768	.374				3.465	3.472	.315			
71,75	72,00	7,00	S	*50X72X7★	32	89,72	90,00	13,00	S	*50X90X13★	32
2.825	2.835	.276				3.532	3.543	.512			
71,75	72,00	9,00	S	*50X72X9★	32	90,00	90,20	8,00	S	50X90X8★	32
2.825	2.835	.354				3.543	3.551	.315			
71,75	72,00	10,00	S	*50X72X10★	32	90,00	90,20	10,00	V	*50X90X10V★	35
2.825	2.835	.394				3.543	3.551	.394			
71,75	72,00	12,00	S	*50X72X12★	32	90,00	90,28	10,00	S	50X90X10★	35
2.825	2.835	.472				3.543	3.554	.394			
72,00	72,20	8,00	V	*50X72X8V★	32	94,00	94,28	24,00	S	710071★	#
2.835	2.843	.315				3.701	3.712	.945			
72,00	72,20	10,00	S	710398★	#	99,72	100,00	10,00	S	*50X100X10★	32
2.835	2.843	.394				3.926	3.937	.394			
72,00	72,28	8,00	S	225030★	35	110,00	110,13	9,50	S	476512★	47
2.835	2.846	.315				4.331	4.336	.374			
72,00	72,28	8,00	S	50X72X8★	32	1.991" SHAFT					
2.835	2.846	.315				2.900	2.975	.290	S	200885%	200E
72,00	72,35	10,00	S	225035★	32	1.996" SHAFT					
2.835	2.848	.394				-	-	-	S	800500	VRS1
72,75	73,00	9,00	S	*50X73X9★	32	-	-	-	V	800504	VRS1
2.864	2.874	.354				-	-	-	V	800505	VRS2
74,00	74,20	9,00	S	710137★	#	2.000	2.878	.250	S	8998%	44
2.913	2.921	.354				2.743	2.751	.325	H	3404↔	75
74,75	75,00	10,00	S	*50X75X10★	32	2.996	3.001	.812	S	*392077	#
2.943	2.953	.394				3.111	3.120	.344	H	4189H&	75
75,00	75,10	9,00	S	710437★	47	2.000" SHAFT					
2.953	2.957	.354				-	-	-	S	800500	VRS1
75,00	75,20	7,00	S	50X75X7★	32	-	-	-	V	800504	VRS1
2.953	2.961	.276				-	-	-	V	800505	VRS2
75,00	75,20	8,00	S	*50X75X8★	32	-	-	.563		99199	Redi-Sleeve
2.953	2.961	.315				-	-	.875		99200	Redi-Sleeve
75,00	75,28	12,00	S	50X75X12★	32	-	-				
2.953	2.964	.472				-	4.562	.562	F	*6469	#
75,75	76,00	12,00	S	*50X76X12★	32	2.500	-	.250	U	710025	#
2.982	2.992	.472				2.500	-	.375	U	710040	#
77,50	77,70	9,00	S	1941★	47	2.500	2.504	.437	H	452261H	45
3.051	3.071	.354				2.501	2.506	.250	L	40401	4L
77,72	78,00	12,00	S	*50X78X12★	32	2.502	2.506	.500	L	*50401	5L
3.060	3.071	.472				2.502	2.508	.250	S	352541	35
78,00	78,20	8,00	S	*50X78X8★	32	2.561	2.565	.250	S	4739	282
3.071	3.079	.315				2.561	2.565	.549	S	9015S	44
79,72	80,00	10,00	S	*50X80X10★	32	2.561	2.566	.220	S	*3633	#
3.139	3.150	.394				2.562	2.566	.220	S	8871&	286
79,72	80,00	12,00	S	*50X80X12★	32	2.562	2.566	.225	S	*4195	#
3.139	3.150	.472				2.562	2.566	.500	F	*205058	205
79,72	80,00	13,00	S	*50X80X13★	32	2.562	2.566	.528	N	331301N	33
3.139	3.150	.512				2.623	2.626	.580	S	*2834	#
80,00	80,20	8,00	V	*50X80X8V★	32						
3.150	3.157	.315									
80,00	80,28	8,00	S	225050★	35						
3.150	3.161	.315									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-Bidirectional % External Bore
 & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
2.000" SHAFT (cont.)						2.000" SHAFT (cont.)					
2.623	2.627	.225	S	*41424S	4S	2.835	2.839	.375	S	472653	47
2.623	2.627	.250	S	40410S	4S	2.835	2.839	.375	V	472653V	47
2.623	2.627	.250	S	*492702	49	2.835	2.839	.468	S	*411943	41
2.623	2.627	.256	V	710263➡	47	2.835	2.839	.468	S	*451943	45
2.623	2.627	.280	S	4148&	286	2.835	2.839	.468	S	*471943	47
2.623	2.627	.312	S	471424	47	2.846	2.850	.375	S	493524	49
2.623	2.627	.312	A	471424A	47	2.875	2.879	.250	S	*42999S	4S
2.623	2.627	.312	V	471424V	47	2.875	2.879	.290	S	200339	200
2.623	2.627	.312	S	*481424	48	2.875	2.879	.312	V	472924V	47
2.623	2.627	.312	H	*481424H	48	2.875	2.879	.312	S	472924	47
2.623	2.627	.375	S	*472331	47	2.875	2.879	.312	S	*482924	48
2.623	2.627	.500	S	*410410	41	2.875	2.879	.437	S	*411944	41
2.623	2.627	.500	S	*450410	45	2.875	2.879	.437	S	*451944	45
2.623	2.627	.500	N	*450410N	45	2.875	2.879	.437	H	*451944H	45
2.623	2.627	.500	S	*470410	47	2.875	2.879	.437	S	*471944	47
2.623	2.627	.500	S	*480410	48	2.875	2.879	.437	S	*481944	48
2.623	2.627	.500	N	*480410N	48	2.875	2.879	.468	S	*410083	41
2.623	2.627	.635	S	*5125&	#	2.875	2.879	.468	N	*410083N	41
2.625	2.629	.250	S	*440905	44	2.875	2.879	.468	S	450083	45
2.625	2.629	.285	S	9406S	279	2.875	2.879	.468	S	*480083	48
2.625	2.630	.375	H	*472857H	47	2.875	2.879	.500	S	*410966	41
2.630	2.750	.562	S	6090S	273	2.875	2.879	.500	S	*450966	45
2.635	2.639	.235	F	292594	29	2.875	2.879	.508	H	*8836H	37
2.651	4.562	.562	F	*6465B++	#	2.875	2.879	.703	S	6163S	21
2.686	2.690	.250	S	40360S	4S	2.878	2.882	.340	N	4598➡	83
2.686	2.690	.375	S	471870	47	2.880	2.884	.375	S	472082	47
2.686	2.690	.375	S	*482485	48	2.880	2.884	.375	N	*472082N	47
2.686	2.690	.437	S	*411883	41	2.880	2.884	.500	N	*411429N	41
2.686	2.690	.437	H	*411883H	41	2.961	2.971	.250	F	8139	#
2.686	2.690	.437	S	*451883	45	2.964	2.968	.500	F	205044	205
2.686	2.690	.437	H	*451883H	45	2.995	3.003	.438	N	*4654N➡	#
2.686	2.690	.437	S	471883	47	2.996	3.001	.250	S	40085S	4S
2.686	2.690	.500	S	*410360	41	2.996	3.001	.250	S	*43085S	4S
2.686	2.690	.500	S	*450360	45	2.996	3.001	.375	V	470530V	47
2.686	2.690	.500	H	*450360H	45	2.996	3.001	.375	S	*410530	41
2.686	2.690	.500	S	*470360	47	2.996	3.001	.375	N	*410530N	41
2.686	2.690	.500	S	*480360	48	2.996	3.001	.375	S	470530	47
2.687	2.690	.375	U	710017	#	2.996	3.001	.437	S	*412008	41
2.713	2.717	.468	S	450446	45	2.996	3.001	.437	S	*452008	45
2.716	2.720	.468	S	*410543	41	2.996	3.001	.437	S	*472008	47
2.716	2.720	.468	S	*450543	45	2.996	3.001	.500	S	410085	41
2.716	2.720	.468	H	*450543H	45	2.996	3.001	.500	H	*410085H	41
2.716	2.720	.468	V	450543V	45	2.996	3.001	.500	N	410085N	41
2.716	2.720	.468	S	470543	47	2.996	3.001	.500	V	*410085V	41
2.716	2.720	.593	S	*10543S	1S	2.996	3.001	.500	S	450085	45
2.716	2.721	.375	S	474272	47	2.996	3.001	.500	N	*450085N	45
2.717	2.721	.250	S	43073S	4S	2.996	3.001	.500	V	*450085V	45
2.720	-	.210	S	710365%	#	2.996	3.001	.500	S	*470085	47
2.742	2.746	.375	S	472341	47	2.996	3.001	.500	H	*470085H	47
2.742	2.746	.375	N	*472341N	47	2.996	3.001	.500	N	*470085N	47
2.745	2.749	.230	S	*4403	#	2.996	3.001	.500	S	*480085	48
2.745	2.749	.230	S	5113	203	2.996	3.003	.438	N	714654➡	47
2.746	2.750	.375	S	*331107	33	3.000	3.005	.250	S	40301S	4S
2.746	2.750	.375	H	*331107H	33	3.000	3.005	.312	V	472397V	47
2.746	2.750	.375	H	331107N	33	3.000	3.005	.312	S	472397	47
2.750	2.754	.187	L	5865	4L	3.000	3.005	.312	S	*482397	48
2.750	2.754	.250	S	40389S	4S	3.000	3.005	.375	S	*452009	45
2.750	2.754	.312	V	472492V	47	3.000	3.005	.375	S	*472009	47
2.750	2.754	.312	S	472492	47	3.000	3.005	.375	N	*472009N	47
2.750	2.754	.312	A	472492A	47	3.000	3.005	.375	S	*482009	48
2.750	2.754	.312	N	*472492N	47	3.000	3.005	.500	S	*410301	41
2.750	2.754	.312	S	*482492	48	3.000	3.005	.500	V	*410301V	41
2.750	2.754	.325	N	710447	47	3.000	3.005	.500	S	450301	45
2.750	2.754	.375	S	*480436	48	3.000	3.005	.500	H	*450301H	45
2.750	2.754	.500	S	*410389	41	3.000	3.005	.500	N	*450301N	45
2.750	2.754	.500	N	*410389N	41	3.000	3.005	.500	S	*470301	47
2.750	2.754	.500	S	450389	45	3.000	3.005	.500	S	*480301	48
2.750	2.754	.500	H	*450389H	45	3.000	3.005	.500	H	*480301H	48
2.750	2.754	.500	S	*470389	47	3.062	3.066	.250	S	204508	204
2.750	2.754	.500	N	*470389N	47	3.062	3.066	.375	S	473463	47
2.750	2.754	.500	S	*480389	48	3.062	3.066	.500	S	*411091	41
2.804	2.824	.294	S	200881%	200E	3.062	3.066	.500	S	*451091	45

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW ++ Not Sold Separately

% External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.000" SHAFT (cont.)						51,00mm (2.008") SHAFT (cont.)					
3.062	3.066	.500	S	*471091	47	65,00	65,10	7,00	S	*474096★	47
3.062	3.066	.500	N	*471091N	47	2.559	2.563	.276			
3.062	3.066	.500	S	*481091	48	66,00	66,20	6,50	N	710265★	35
3.062	3.066	.500	H	*481091H	48	2.598	2.606	.256			
3.125	3.130	.312	S	*473242	47	66,25	66,50	10,00	S	*51X66.5X10★	32
3.125	3.130	.312	V	*473242V	47	2.608	2.618	.394			
3.125	3.130	.312	S	*483242	48	70,00	70,28	11,00	N	8316★	32
3.125	3.130	.375	S	*472010	47	2.756	2.767	.433			
3.125	3.130	.375	S	*482010	48	73,00	73,20	8,00	S	*51X73X8★	32
3.125	3.130	.500	S	*410310	41	2.874	2.882	.315			
3.125	3.130	.500	H	*410310H	41	80,00	80,20	8,00	S	*51X80X8★	32
3.125	3.130	.500	S	*450310	45	3.150	3.157	.315			
3.125	3.130	.500	N	*450310N	45	81,00	81,20	8,00	S	*51X81X8★	32
3.125	3.130	.500	S	*470310	47	3.189	3.197	.315			
3.125	3.130	.500	S	*480310	48	90,00	90,20	8,00	S	*51X90X8★	32
3.148	3.153	.250	S	*43670	4S	3.543	3.551	.315			
3.150	3.155	.375	S	*412725	41	92,00	92,20	8,00	S	*51X92X8★	32
3.150	3.155	.500	S	*51265S	5S	3.622	3.630	.315			
3.155	3.160	.500	F	*293280	29	2.010" SHAFT					
3.189	3.194	.437	S	*473464	47	-	-	-	S	800500	VRS1
3.189	3.194	.437	S	*410095	41	-	-	-	V	800504	VRS1
3.189	3.194	.437	N	*450095N	45	-	-	-	V	800505	VRS2
3.189	3.194	.437	S	*470095	47	-	-	-			
3.189	3.194	.437	S	*480095	48	-	2.876	.318	S	*SK2++	#
3.251	3.256	.437	S	*412027	41	2.650	2.655	.363	S	3794	49
3.251	3.256	.500	S	*410571	41	2.030" SHAFT					
3.251	3.256	.500	S	*450571	45	-	-	-	S	800500	VRS1
3.251	3.256	.500	S	*480571	48	-	-	-	V	800504	VRS1
3.264	3.269	.250	S	441148	44	-	-	-	V	800505	VRS2
3.264	3.269	.312	F	*291148	29	-	-	-			
3.350	3.355	.468	S	*412028	41	-	2.601	.295	S	*SK1++	#
3.370	-	1.020	S	710007	#	2.031" (2-1/32") SHAFT					
3.371	3.376	.468	S	*410102	41	-	-	-	S	800500	VRS1
3.371	3.376	.468	N	*410102N	41	-	-	-	V	800504	VRS1
3.371	3.376	.468	S	*450102	45	-	-	-	V	800505	VRS2
3.371	3.376	.468	H	*450102H	45	-	-	-			
3.371	3.376	.468	N	*470102N	47	-	4.156	.781	L	5797	#
3.371	3.376	.468	S	*480102	48	52,00mm (2.047") SHAFT					
3.500	3.505	.500	S	*415627	41	-	-	-	S	800500	VRS1
3.543	3.548	.500	S	*455253	45	-	-	-	V	800504	VRS1
3.623	3.628	.250	S	204506	204	-	-	-	V	800505	VRS2
3.623	3.628	.375	S	487945	48	-	-	.500		99204	Redi-Sleeve
3.623	3.628	.500	S	*457097	45	0,00	69,01	14,81	S	710527★	#
4.003	4.008	.468	L	55524	5L	.000	2.717	.583			
2.005" SHAFT						61,75	62,00	7,00	S	*52X62X7★	32
-	-	-	S	800500	VRS1	2.431	2.441	.276			
-	-	-	V	800504	VRS1	61,75	62,00	10,00	S	*52X62X10★	32
-	-	-	V	800505	VRS2	2.431	2.441	.394			
2.878	2.888	.340	V	320259➔	32	62,00	63,00	5,50	S	710253★%	#
51,00mm (2.008") SHAFT						2.441	2.480	.217			
-	-	-	S	800500	VRS1	62,75	63,00	8,00	S	*52X63X8★	32
-	-	-	V	800504	VRS1	2.470	2.480	.315			
-	-	-	V	800505	VRS2	63,00	63,23	8,00	S	1975★	32
62,00	62,10	7,00	S	710407★	33	2.480	2.489	.315			
2.441	2.445	.276				63,75	64,00	9,00	S	*52X64X9★	32
63,00	63,12	6,00	S	494123★	49	2.510	2.520	.354			
2.480	2.485	.236				64,75	65,00	8,00	S	*52X65X8★	32
63,00	63,20	8,00	S	*51X63X8★	32	2.549	2.559	.315			
2.480	2.488	.315				64,75	65,00	10,00	S	*52X65X10★	32
63,00	63,20	8,50	S	710323★	49	2.549	2.559	.394			
2.480	2.488	.335				65,00	65,20	9,00	S	225208★	32
64,75	65,00	13,00	S	*51X65X13★	32	2.559	2.567	.354			
2.549	2.559	.512				65,00	65,30	9,00	S	52X65X9★	32
65,00	65,10	7,00	S	51X65X7★	47	2.559	2.571	.354			
2.559	2.563	.276				65,00	65,30	9,00	S	1955★	35
65,00	65,10	7,00	S	225110★	47	2.559	2.571	.354			
2.559	2.563	.276									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ++ Not Sold Separately % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
52,00mm (2.047") SHAFT (cont.)						52,00mm (2.047") SHAFT (cont.)					
66,00	66,12	7,50	S	4898★	66	79,72	80,00	13,00	S	*52X80X13★	32
2,598	2,603	.295				3,139	3,150	.512			
66,00	66,23	9,00	N	225210★	35	80,00	80,28	10,00	S	52X80X10★↔↔	32
2,598	2,607	.354				3,150	3,161	.394			
67,00	67,30	7,00	S	1883★%	#	82,00	82,20	8,00	S	52X82X8★	32
2,638	2,650	.276				3,228	3,236	.315			
67,75	68,00	7,00	S	*52X68X7★	32	84,72	85,00	9,00	S	*52X85X9★	32
2,667	2,677	.276				3,335	3,346	.354			
67,75	68,00	10,00	S	*52X68X10★	32	84,72	85,00	10,00	S	*52X85X10★	32
2,667	2,677	.394				3,335	3,346	.394			
68,00	68,10	6,50	S	710292★	#	85,00	85,20	8,00	S	52X85X7★	32
2,677	2,681	.256				3,346	3,354	.315			
68,00	68,09	12,09	S	*710064★	#	85,00	85,20	8,00	S	*52X85X8★	32
2,677	2,681	.476				3,346	3,354	.315			
68,00	68,15	8,00	V	710190★	32	89,72	90,00	10,00	S	*52X90X10★	32
2,677	2,683	.315				3,532	3,543	.394			
68,00	68,20	8,00	V	*52X68X8V★	35	2.048" SHAFT					
2,677	2,685	.315				-	-	-	S	800500	VRS1
68,00	68,20	13,00	S	710312★	32	-	-	-	V	800504	VRS1
2,677	2,685	.512				-	-	-	V	800505	VRS2
68,00	68,28	7,00	S	4990★	281	2,728	2,732	.590	S	3087	#
2,677	2,688	.276				2.058" SHAFT					
68,00	68,28	8,00	S	225220★	32	-	-	-	S	800500	VRS1
2,677	2,688	.315				-	-	-	V	800504	VRS1
68,00	68,28	8,00	S	52X68X8★	32	-	-	-	V	800505	VRS2
2,677	2,688	.315				-	-	.781	99205	Redi-Sleeve	
68,00	68,28	10,00	S	1884★	32	2,062	3,325	.290	S	*200897%	200E
2,677	2,688	.394				2,676	2,681	.255	S	*7141	200
68,00	68,43	10,00	S	*324186★	32	3,149	3,154	.270	S	200110	200
2,677	2,694	.394				2.062" (2-1/16") SHAFT					
69,00	69,28	10,00	S	52X69X10★	35	-	-	-	S	800500	VRS1
2,717	2,728	.394				-	-	-	V	800504	VRS1
69,75	70,00	9,00	S	*52X70X9★	32	-	-	-	V	800505	VRS2
2,746	2,756	.354				-	-	.781	99205	Redi-Sleeve	
69,75	70,00	13,00	S	*52X70X13★	32	2,561	4,735	.468	S	6077	#
2,746	2,756	.512				2,561	2,565	.312	S	332134	33
70,00	70,20	8,00	S	52X70X8★	32	2,561	2,565	.313	V	484064V	48
2,756	2,764	.315				2,758	2,762	.437	S	*451945	45
70,00	70,27	8,50	N	710187★↔	32	2,842	2,846	.450	L	5877	5L
2,756	2,766	.335				2,875	2,879	.375	S	*472579	47
70,00	70,27	7,50	S	225540★%	#	2,875	2,879	.437	S	451948	45
2,756	2,767	.295				2,875	2,879	.468	S	*450373	45
70,00	70,27	8,00	S	225225★	47	2,875	2,879	.468	S	*480373	48
2,756	2,767	.315				2,875	2,879	.500	F	*291070	29
71,75	72,00	9,00	S	*52X72X9★	32	2,937	3,034	.340	S	4162%	200E
2,825	2,835	.354				2,996	3,001	.375	S	473466	47
71,75	72,00	10,00	S	*52X72X10★	32	2,996	3,001	.500	S	*410261	41
2,825	2,835	.394				2,996	3,001	.500	S	*450261	45
71,75	72,00	12,00	S	*52X72X12★	32	2,996	3,001	.500	S	*480261	48
2,825	2,835	.472				3,000	3,005	.310	S	6954S	44
72,00	72,20	8,00	S	52X72X8★	35	3,000	3,005	.375	V	2822V	41
2,835	2,843	.315				3,000	3,005	.375	S	*412012	41
72,00	72,20	8,00	V	*52X72X8V★	32	3,000	3,005	.375	S	472012	47
2,835	2,843	.315				3,000	3,005	.375	S	*482012	48
72,00	72,28	8,00	S	225230★	35	3,000	3,005	.437	N	412798N	41
2,835	2,846	.315				3,000	3,005	.500	S	*450302	45
72,00	72,28	8,00	S	*350858★	35	3,000	3,005	.500	H	*450302H	45
2,835	2,846	.315				3,000	3,005	.500	S	*480302	48
72,00	72,28	8,00	N	710242★↔	32	3,061	3,066	.500	S	450307	45
2,835	2,846	.315				3,061	3,066	.500	S	*480307	48
74,75	75,00	10,00	S	*52X75X10★	32	3,125	3,130	.500	S	450311	45
2,943	2,953	.394				3,125	3,130	.500	S	*480311	48
75,00	75,11	7,50	S	225275★	66	3,151	3,156	.240	F	5756	29
2,953	2,957	.295				3,189	3,194	.375	S	*472928	47
75,00	75,28	12,00	S	52X75X12★	32	3,189	3,194	.437	S	450096	45
2,953	2,964	.472									
77,00	78,00	9,00	S	710107★%	#						
3,031	3,071	.354									
77,72	78,00	10,00	S	*52X78X10★	32						
3,060	3,071	.394									
78,00	78,28	9,00	N	225278★	35						
3,071	3,082	.354									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CW ↔↔ Hydrodynamic Lip Design-Bidirectional % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.062" (2-1/16") SHAFT (cont.)						2.125" (2-1/8") SHAFT (cont.)					
3.189	3.194	.437	H	*450096H	45	-	-	.781		99212	Redi-Sleeve
3.189	3.194	.437	S	*480096	48	2.561	2.565	.492	S	*474069	47
3.190	3.194	.437	S	*416738	41	2.750	2.754	.375	S	*473204	47
3.190	3.194	.437	H	*416738H	41	2.750	2.754	.375	N	*473204N	47
3.250	3.310	.500	S	80313%	200E	2.750	2.754	.500	H	*9933	Redi-Sleeve
3.251	3.256	.500	S	450313	45	2.750	2.754	.500	S	*411949	41
3.251	3.256	.500	S	*480313	48	2.750	2.754	.500	H	*411949H	41
3.350	3.355	.468	S	*450532	45	2.750	2.754	.500	N	*411949N	41
3.371	3.376	.468	S	450343	45	2.750	2.754	.500	S	*471949	47
3.371	3.376	.468	S	*480343	48	2.750	2.754	.500	H	*471949H	47
3.623	3.628	.468	S	*455260	45	2.750	2.754	.500	N	*471949N	47
3.623	3.628	.468	S	*485260	48	2.758	2.762	.437	S	*471950	47
2.065" SHAFT						2.758	2.762	.437	H	*471950H	47
3.130	3.130	.294	S	200865%	200E	2.758	2.762	.437	N	*471950N	47
53,00mm (2.087") SHAFT						2.835	2.839	.468	S	*410639	41
-	-	-	S	800500	VRS1	2.835	2.839	.468	S	*450639	45
-	-	-	V	800504	VRS1	2.835	2.839	.468	S	*470639	47
-	-	-	V	800505	VRS2	2.835	2.839	.468	S	*480639	48
0,00	71,25	8,99	S	710522★	35	2.875	2.879	.250	S	40566S	4S
.000	2.805	.354				2.875	2.879	.250	S	*43000S	4S
67,95	68,20	7,00	S	*53X68.2X7★	32	2.875	2.879	.312	S	6626S	4S
2.675	2.685	.276				2.875	2.879	.375	V	470898V	45
68,00	68,28	10,00	S	53X68X10★	32	2.875	2.879	.375	H	6879H	33
2.677	2.688	.394				2.875	2.879	.375	H	*330867H	33
68,20	68,48	7,00	S	710175★	32	2.875	2.879	.375	N	*450898N	45
2.685	2.696	.276				2.875	2.879	.375	S	*470898	47
69,00	69,11	10,30	F	*205009★	205	2.875	2.879	.375	A	470898A	47
2.717	2.721	.406				2.875	2.879	.375	N	*470898N	47
71,75	72,00	10,00	S	*53X72X10★	32	2.875	2.879	.375	S	*480898	48
2.825	2.835	.394				2.875	2.879	.375	H	*480898H	48
72,75	73,00	10,00	S	*53X73X10★	32	2.875	2.879	.437	T	39851◆	FW-H
2.864	2.874	.394				2.875	2.879	.437	T	39853◆	FW-H
79,72	80,00	13,00	S	*53X80X13★	32	2.875	2.879	.437	S	*410867	41
3.139	3.150	.512				2.875	2.879	.437	N	410867N	41
2.088" SHAFT						2.875	2.879	.437	V	*410867V	41
.000	2.777	.500	S	710506	86	2.875	2.879	.437	S	450867	45
.000	2.915	.500	S	710507	71	2.875	2.879	.437	H	*450867H	45
2.093" (2-3/32") SHAFT						2.875	2.879	.437	N	*450867N	45
-	-	-	S	800550	VRS1	2.875	2.879	.437	V	*450867V	45
-	-	-	V	800554	VRS1	2.875	2.879	.437	S	*470867	47
2.716	2.721	.359	S	*204078	204	2.875	2.879	.437	H	*470867H	47
2.716	2.721	.406	S	*204009	204	2.875	2.879	.437	N	*470867N	47
2.716	2.721	.406	S	6590S	204	2.875	2.879	.437	S	*480867	48
2.716	2.725	.250	S	340900	34	2.875	2.879	.437	N	*480867N	48
2.750	2.754	.250	S	41013S	4S	2.875	2.879	.437	N	*480867N	48
2.835	2.839	.250	S	*40627S	4S	2.875	2.879	.468	S	*410365	41
3.148	3.153	.250	S	*43070S	4S	2.875	2.879	.468	S	450365	45
3.150	3.156	.250	S	40973S	4S	2.875	2.879	.468	N	450365N	45
2.116" SHAFT						2.875	2.879	.468	V	*450365V	45
-	-	-	S	800550	VRS1	2.875	2.879	.468	S	*470365	47
-	-	-	V	800554	VRS1	2.875	2.879	.468	S	*480365	48
3.189	3.194	.468	H	*472236H	47	2.875	2.879	.500	S	*452612	45
2.121" SHAFT						2.875	2.879	.500	S	*482612	48
3.296	3.296	.460	S	*9434%	46	2.875	2.879	.625	L	30365	3L
2.125" (2-1/8") SHAFT						2.878	2.882	.375	S	453066	45
-	-	-	S	800550	VRS1	2.878	2.884	.437	S	9599S◆	47
-	-	-	V	800554	VRS1	2.880	2.885	.550	N	2457◆	#
-	-	.500		99210	Redi-Sleeve	2.996	3.001	.375	S	*473467	47
						2.996	3.001	.500	S	*410115	41
						2.996	3.001	.500	N	*410115N	41
						2.996	3.001	.500	S	450115	45
						2.996	3.001	.500	N	*450115N	45
						2.996	3.001	.500	S	*470115	47
						2.996	3.001	.500	S	*480115	48
						2.996	3.001	.687	S	8650S	1L
						3.000	3.005	.312	S	8430S	49
						3.000	3.005	.375	V	412015V	41
						3.000	3.005	.375	S	*472015	47
						3.000	3.005	.375	N	*472015N	47
						3.000	3.005	.375	V	472015V	47
						3.000	3.005	.375	S	*482015	48
						3.000	3.005	.375	H	*482015H	48

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
2.125" (2-1/8") SHAFT (cont.)						2.125" (2-1/8") SHAFT (cont.)					
3.000	3.005	.375	N	*482015N	48	3.350	3.355	.500	S	*456861	45
3.000	3.005	.375	V	*482015V	48	3.350	3.356	1.250	S	*483815	48
3.000	3.005	.500	S	*410303	41	3.371	3.376	.312	S	440972	44
3.000	3.005	.500	N	*410303N	41	3.371	3.376	.375	V	413470V	41
3.000	3.005	.500	S	450303	45	3.371	3.376	.375	S	*413470	41
3.000	3.005	.500	N	*450303N	45	3.371	3.376	.468	S	*410972	41
3.000	3.005	.500	V	*450303V	45	3.371	3.376	.468	N	410972N	41
3.000	3.005	.500	S	*470303	47	3.371	3.376	.468	S	*450972	45
3.000	3.005	.500	N	*470303N	47	3.371	3.376	.468	S	*470972	47
3.000	3.005	.500	V	*470303V	47	3.371	3.376	.468	S	*480972	48
3.000	3.005	.500	S	480303	48	3.436	3.440	.625	F	6380	29
3.000	3.005	.500	V	*480303V	48	3.500	3.505	.375	S	*416267	41
3.061	3.066	.375	S	473468	47	3.500	3.505	.375	S	*476267	47
3.061	3.066	.500	S	*410308	41	3.500	3.505	.500	S	*415659	41
3.061	3.066	.500	S	450308	45	3.500	3.505	.500	S	*455659	45
3.061	3.066	.500	S	*470308	47	3.500	3.505	.500	S	*475659	47
3.061	3.066	.500	N	470308N	47	3.500	3.505	.500	S	*485659	48
3.061	3.066	.500	S	*480308	48	3.501	3.505	.375	S	*456267	45
3.061	3.066	.687	L	30308	3L	3.501	3.505	.375	S	*486267	48
3.063	3.068	.370	N	*710021	7S	3.543	3.548	.320	S	*200346	200
3.125	3.130	.375	S	*412016	41	3.543	3.548	.500	S	*415349	41
3.125	3.130	.375	N	*412016N	41	3.543	3.548	.500	N	*415349N	41
3.125	3.130	.375	S	*472016	47	3.543	3.548	.500	V	*415349V	41
3.125	3.130	.375	S	*482016	48	3.547	3.557	.375	S	*355737	35
3.125	3.130	.500	S	*2523	41	3.623	3.628	.468	S	*415080	41
3.125	3.130	.500	S	*410312	41	3.623	3.628	.468	S	*455080	45
3.125	3.130	.500	N	410312N	41	3.623	3.628	.468	N	475080N	47
3.125	3.130	.500	S	450312	45	3.937	3.942	.375	S	*476808	47
3.125	3.130	.500	N	*450312N	45	54.00mm (2.126") SHAFT					
3.125	3.130	.500	S	*470312	47	-	-	-	S	800550	VRS1
3.125	3.130	.500	N	*470312N	47	-	-	-	V	800554	VRS1
3.125	3.130	.500	S	*480312	48	-	-	.500		99210	Redi-Sleeve
3.125	3.130	.500	N	*480312N	48	-	-	.781		99212	Redi-Sleeve
3.125	3.130	.593	S	*7951	41	63.75	64.00	9.00	S	*54X64X9★	32
3.126	3.131	.484	F	6389	29	2.510	2.520	.354			
3.146	3.153	.500	F	8243	#	64.75	65.00	10.00	S	*54X65X10★	32
3.149	3.154	.375	S	476535	47	2.549	2.559	.394			
3.149	3.154	.375	N	*476535N	47	64.75	65.00	13.00	S	*54X65X13★	32
3.180	3.184	.781	S	*6180	#	2.549	2.559	.512			
3.189	3.194	.375	S	*472409	47	65.00	65.20	8.00	S	54X65X8★	32
3.189	3.194	.375	N	*472409N	47	2.559	2.567	.315			
3.189	3.194	.375	V	*472409V	47	65.00	65.28	12.50	S	2002★	47
3.189	3.194	.437	T	39302➡	W-H	2.559	2.570	.492			
3.189	3.194	.437	T	39717➡	WW-H	66.00	66.23	7.50	S	225410★	#
3.189	3.194	.437	T	39719➡	WW-H	2.598	2.607	.295			
3.189	3.194	.437	S	*410121	41	67.75	68.00	10.00	S	*54X68X10★	32
3.189	3.194	.437	V	*410121V	41	2.667	2.677	.394			
3.189	3.194	.437	S	450121	45	69.00	69.23	7.00	N	710239★	40
3.189	3.194	.437	N	*450121N	45	2.717	2.726	.276			
3.189	3.194	.437	V	*450121V	45	69.75	70.00	9.00	S	*54X70X9★	32
3.189	3.194	.437	S	*470121	47	2.746	2.756	.354			
3.189	3.194	.437	S	*480121	48	72.00	72.25	10.00	S	54X72X10★	32
3.189	3.194	.468	H	*2439	47	2.835	2.844	.394			
3.193	3.198	.812	H	7790H	#	72.00	72.25	10.00	S	225420★	32
3.251	3.256	.375	S	*473243	47	2.835	2.844	.394			
3.251	3.256	.375	S	*483243	48	72.25	72.50	9.00	S	*54X72.5X9★	32
3.251	3.256	.437	S	*412032	41	2.844	2.854	.354			
3.251	3.256	.437	S	*452032	45	73.00	73.20	8.00	S	54X73X8★	32
3.251	3.256	.500	S	*410314	41	2.874	2.882	.315			
3.251	3.256	.500	S	*450314	45	73.00	73.40	12.75	T	712125★➡	FW-H
3.251	3.256	.500	N	*470314N	47	2.874	2.890	.502			
3.251	3.256	.500	S	*480314	48	73.75	74.00	10.00	S	*54X74X10★	32
3.350	3.355	.250	S	*40097S	4S	2.903	2.913	.394			
3.350	3.355	.375	S	*413469	41	74.75	75.00	10.00	S	*54X75X10★	32
3.350	3.355	.375	S	*473469	47	2.943	2.953	.394			
3.350	3.355	.468	S	*50097	5S	75.18	75.48	17.00	S	710073★	#
3.350	3.355	.468	S	*410097	41	2.960	2.972	.669			
3.350	3.355	.468	N	*410097N	41	75.75	76.00	8.00	S	*54X76X8★	32
3.350	3.355	.468	V	*410097V➡	41	2.982	2.992	.315			
3.350	3.355	.468	S	*450097	45						
3.350	3.355	.468	S	*480097	48						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
54,00mm (2.126") SHAFT (cont.)						55,00mm (2.165") SHAFT (cont.)					
76,00	76,20	14,00	S	710438★	#	64,75	65,00	8,00	S	*55X65X8★	32
2.992	3.000	.551				2.549	2.559	.315			
79,72	80,00	10,00	S	*54X80X10★	32	64,75	65,00	10,00	S	*55X65X10★	32
3.139	3.150	.394				2.549	2.559	.394			
80,72	81,00	10,00	S	*54X81X10★	32	67,75	68,00	10,00	S	*55X68X10★	32
3.178	3.189	.394				2.667	2.677	.394			
81,00	81,20	8,00	S	*54X81X8★	32	68,00	68,20	8,00	S	710127★	#
3.189	3.197	.315				2.677	2.685	.315			
81,72	82,00	11,00	S	*54X82X11★	32	68,00	68,28	8,00	S	55X68X8★	32
3.217	3.228	.433				2.677	2.688	.315			
81,99	82,17	8,00	S	710203★	66	68,00	68,30	8,00	S	225500★	32
3.228	3.235	.315				2.677	2.689	.315			
82,00	82,30	10,00	S	225450★	32	68,53	68,91	4,11	S	*9471★	#
3.228	3.240	.394				2.698	2.713	.162			
82,00	82,35	10,00	S	54X82X10★	32	69,75	70,00	9,00	S	*55X70X9★	32
3.228	3.242	.394				2.746	2.756	.354			
85,00	85,25	10,00	S	225460★	32	69,75	70,00	10,00	S	*55X70X10★	32
3.346	3.356	.394				2.746	2.756	.394			
85,00	85,28	10,00	S	54X85X10★	32	69,75	70,00	12,00	S	*55X70X12★	32
3.346	3.357	.394				2.746	2.756	.472			
2.129" SHAFT						70,00	70,10	10,26	S	3723★	66
-	-	-	S	800550	VRS1	2.756	2.760	.404			
-	-	-	V	800554	VRS1	70,00	70,20	8,00	V	*55X70X8V★	32
-	-	.781		99212	Redi-Sleeve	2.756	2.764	.315			
2.762	2.766	.250	N	*6957	48	70,00	70,20	8,00	V	710279★	32
2.835	2.846	.323	T	100470	#	2.756	2.764	.315			
2.891	2.895	.250	S	42101S	4S	70,00	70,20	9,00	S	225505★	32
2.136" SHAFT						2.756	2.767	.394			
-	-	-	S	800550	VRS1	71,75	72,00	9,00	S	*55X72X9★	32
-	-	-	V	800554	VRS1	2.825	2.835	.354			
2.902	2.909	.310	S	8312&	272	71,75	72,00	10,00	S	*55X72X10★	32
2.141" SHAFT						2.825	2.835	.394			
-	-	-	S	800550	VRS1	71,75	72,00	12,00	S	*55X72X12★	32
-	-	-	V	800554	VRS1	2.825	2.835	.472			
3.484	3.493	.329	V	4635V	#	72,00	72,20	8,00	V	*55X72X8V★	32
3.484	3.493	.329	H	*4635H	#	2.835	2.843	.315			
3.484	3.493	.622	H	4635	#	72,00	72,20	10,50	S	225535★	32
54,50mm (2.146") SHAFT						2.835	2.843	.413			
69,75	70,00	8,00	S	*54.5X70X8★	32	72,00	72,25	8,00	S	225530★	35
2.746	2.756	.315				2.835	2.844	.315			
2.156" (2-5/32") SHAFT						72,00	72,25	8,00	S	55X72X8★	32
-	-	-	S	800550	VRS1	2.835	2.844	.315			
-	-	-	V	800554	VRS1	72,75	73,00	10,00	S	*55X73X10★	32
2.875	2.879	.375	H	*482513H	48	2.864	2.874	.394			
2.880	2.885	.375	T	100058	W	74,00	74,10	9,20	S	1207N★	49
3.189	3.194	.437	S	450621	45	2.913	2.917	.362			
3.189	3.194	.437	N	*450621N	45	74,00	74,28	9,20	S	1207★	49
3.251	3.256	.500	S	450869	45	2.913	2.924	.362			
2.162" SHAFT						74,75	75,00	9,00	S	*55X75X9★	32
-	-	-	S	800550	VRS1	2.943	2.953	.354			
-	-	-	V	800554	VRS1	74,75	75,00	12,00	S	*55X75X12★	32
-	-	.787		99215	Redi-Sleeve	2.943	2.953	.472			
3.543	3.548	.375	S	*476513	47	75,00	0,00	10,00	N	225885★	32
55,00mm (2.165") SHAFT						2.953	.000	.394			
-	-	-	S	800550	VRS1	75,00	75,20	7,00	S	55X100X7★	32
-	-	-	V	800554	VRS1	2.953	2.961	.276			
-	-	.787		99215	Redi-Sleeve	75,00	75,20	8,00	S	55X75X8★	35
						2.953	2.961	.315			
						75,00	75,20	10,00	V	*55X75X10V★	35
						2.953	2.961	.394			
						75,00	75,35	10,00	S	55X75X10★	35
						2.953	2.967	.394			
						75,00	75,35	10,00	S	225545★	35
						2.953	2.967	.394			
						75,75	76,00	12,00	S	*55X76X12★	32
						2.982	2.992	.472			
						77,72	78,00	9,00	S	*55X78X9★	32
						3.060	3.071	.354			
						77,72	78,00	12,00	S	*55X78X12★	32
						3.060	3.071	.472			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
55,00mm (2.165") SHAFT (cont.)						2.187" (2-3/16") SHAFT (cont.)					
78,00	78,28	10,00	S	55X78X10★	32	2.835	2.839	.468	S	*471952	47
3,071	3,082	.394				2.835	2.839	.468	S	*481952	48
79,72	80,00	10,00	S	*55X80X10★	32	2.875	2.879	.375	S	*413244	41
3,139	3,150	.394				2.875	2.879	.375	N	*413244N	41
79,72	80,00	12,00	S	*55X80X12★	32	2.875	2.879	.375	S	*453244	45
3,139	3,150	.472				2.875	2.879	.375	S	*473244	47
80,00	80,20	8,00	V	*55X80X8V★	35	2.875	2.879	.375	S	*483244	48
3,150	3,157	.315				2.875	2.879	.437	S	*411953	41
80,00	80,28	8,00	S	55X80X8★	32	2.875	2.879	.437	N	*411953N	41
3,150	3,161	.315				2.875	2.879	.437	S	*451953	45
81,72	82,00	9,00	S	*55X82X9★	32	2.875	2.879	.437	S	*471953	47
3,217	3,228	.354				2.875	2.879	.437	S	*481953	48
82,00	82,30	12,00	S	55X82X12★	32	2.875	2.879	.468	S	*410489	41
3,228	3,240	.472				2.875	2.879	.468	S	*450489	45
82,00	82,30	10,00	S	1958★	35	2.875	2.879	.468	S	*470489	47
3,228	3,240	.472				2.875	2.879	.468	S	*480489	48
84,72	85,00	12,00	S	*55X85X12★	32	2.875	2.883	.500	S	*712136	32
3,335	3,346	.472				2.996	3.001	.375	S	*472234	47
84,72	85,00	14,00	S	*55X85X14★	32	2.996	3.001	.437	S	*412017	41
3,335	3,346	.551				2.996	3.001	.437	S	*452017	45
85,00	85,20	8,00	S	55X85X8★	32	2.996	3.001	.437	S	*472017	47
3,346	3,354	.315				2.996	3.001	.437	S	*482017	48
85,00	85,31	10,00	S	55X85X10★	32	2.996	3.001	.500	S	*410139	41
3,346	3,359	.394				2.996	3.001	.500	S	*450139	45
88,00	88,20	8,00	S	55X88X8★↔	32	2.996	3.001	.500	S	*470139	47
3,465	3,472	.315				2.996	3.001	.500	S	*480139	48
88,00	88,20	8,00	S	*55X88X10★	32	3.000	3.005	.375	S	*412018	41
3,465	3,472	.315				3.000	3.005	.375	S	*452018	45
89,72	90,00	8,00	S	*55X90X8★	32	3.000	3.005	.375	S	*472018	47
3,532	3,543	.315				3.000	3.005	.375	N	*472018N	47
89,72	90,00	10,00	S	*55X90X10★	32	3.000	3.005	.375	V	*472018V	47
3,532	3,543	.394				3.000	3.005	.375	S	*482018	48
90,00	90,27	8,00	S	55X90X8★	32	3.000	3.005	.437	S	*450718	45
3,543	3,554	.315				3.000	3.005	.500	S	*411338	41
90,00	90,28	13,00	S	55X90X13★	32	3.000	3.005	.500	S	*451338	45
3,543	3,554	.512				3.000	3.005	.500	S	*471338	47
95,00	95,20	8,00	S	*55X95X8★	32	3.000	3.005	.500	S	*481338	48
3,740	3,748	.315				3.062	3.066	.375	S	*473471	47
99,72	100,00	10,00	S	*55X100X10★	32	3.062	3.066	.500	S	*412019	41
3,926	3,937	.394				3.062	3.066	.500	S	*452019	45
99,72	100,00	12,00	S	*55X100X12★	32	3.062	3.066	.500	S	*472019	47
3,926	3,937	.472				3.062	3.066	.500	S	*482019	48
100,00	100,30	12,70	S	55X100X13★	45	3.125	3.130	.375	S	*412020	41
3,937	3,949	.500				3.125	3.130	.375	S	*452020	45
101,68	101,80	11,10	V	*477674V★	47	3.125	3.130	.375	S	*472020	47
4,003	4,008	.437				3.125	3.130	.375	S	*482020	48
2.172" SHAFT						3.125	3.130	.500	S	*410681	41
-	-	-	S	800550	VRS1	3.125	3.130	.500	S	*450681	45
-	-	-	V	800554	VRS1	3.125	3.130	.500	N	*450681N	45
2,426	3,000	.485	S	*9195S	#	3.125	3.130	.500	S	*470681	47
3,125	3,130	.675	N	710413	#	3.125	3.130	.500	S	*480681	48
3,345	3,350	.500	S	*482435	48	3.187	3,194	.687	S	6636S	35
2.180" SHAFT						3.189	3,194	.375	S	*472940	47
-	-	-	S	800550	VRS1	3.189	3,194	.437	S	*410354	41
-	-	-	V	800554	VRS1	3.189	3,194	.437	S	*450354	45
2,999	3,004	.250	S	4740	282	3.189	3.194	.437	S	*470354	47
3,000	3,005	.495	S	8974S	49	3.189	3,194	.718	L	6186	1L
3,190	3,194	.620	S	3103↗	69	3.190	3,195	.625	S	*474007	47
3,190	3,194	.620	V	713103↗	69	3.251	3,256	.375	S	*413245	41
2.187" (2-3/16") SHAFT						3.251	3,256	.375	S	*453245	45
-	-	-	S	800550	VRS1	3.251	3.256	.375	S	*473245	47
-	-	-	V	800554	VRS1	3.251	3,256	.375	S	*483245	48
-	-	.781		99218	Redi-Sleeve	3.251	3,256	.500	S	*410315	41
2,835	2,839	.281	S	*42127S	4S	3.251	3,256	.500	N	*410315N	41
2,835	2,839	.468	S	*411952	41	3.251	3,256	.500	S	*450315	45
2,835	2,839	.468	S	*451952	45	3.251	3,256	.500	S	*470315	47
						3.251	3,256	.500	S	*480315	48
						3.350	3.355	.375	S	*412943	41
						3.350	3,355	.468	S	*410098	41
						3.350	3,355	.468	S	*450098	45
						3.350	3,355	.468	S	*470098	47

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↗ Hydrodynamic Lip Design-CW ↗↗ Hydrodynamic Lip Design-Bidirectional

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.187" (2-3/16") SHAFT (cont.)						56,00mm (2.205") SHAFT (cont.)					
3.350	3.355	.468	S	*480098	48	71,75	72,00	9,00	S	*56X72X9★	32
3.350	3.355	.500	S	*452604	45	2.825	2.835	.354			
3.371	3.376	.375	S	*413472	41	72,00	72,20	7,00	S	56X72X7★	32
3.371	3.376	.468	S	*412035	41	2.835	2.843	.276			
3.371	3.376	.468	S	*452035	45	72,00	72,20	8,00	S	710393★	#
3.371	3.376	.468	S	*472035	47	2.835	2.843	.315			
3.371	3.376	.468	S	*482035	48	72,00	72,27	12,50	S	225227★	#
3.500	3.505	.375	S	*416268	41	2.835	2.845	.492			
3.500	3.505	.375	S	*476268	47	72,00	72,29	11,50	S	225650★↔	32
3.500	3.505	.375	S	*486268	48	2.835	2.846	.453			
3.500	3.505	.500	S	*415636	41	72,00	72,40	11,50	S	56X72X11.5★	35
3.500	3.505	.500	S	*455636	45	2.835	2.850	.453			
3.500	3.505	.500	S	*475636	47	72,00	72,40	11,50	S	56X72X11.5★	35
3.500	3.505	.500	S	*485636	48	2.835	2.850	.453			
3.543	3.548	.500	S	*416269	41	72,75	73,00	10,00	S	*56X73X10★	32
3.543	3.548	.500	S	*456269	45	2.864	2.874	.394			
3.623	3.628	.468	S	*415350	41	73,00	73,23	7,50	S	225673★	#
3.623	3.628	.468	S	*455350	45	2.874	2.883	.295			
3.623	3.628	.468	S	*475350	47	73,00	73,23	22,00	S	712938★	#
3.623	3.628	.468	S	*485350	48	2.874	2.883	.866			
4.420	4.520	.687	S	*6309	39	73,00	73,28	12,50	S	1993★	47
5.118	5.124	.375	S	476511	47	2.874	2.885	.492			
2.192" SHAFT						74,00	74,14	8,50	S	710176★	87
—	—	—	S	800550	VRS1	2.913	2.919	.335			
—	—	—	V	800554	VRS1	74,00	74,20	8,00	S	710125★	#
—	—	.781		99218	Redi-Sleeve	2.913	2.921	.315			
—	3.437	.703	S	*6922	#	75,00	75,13	6,50	S	4899★	66
2.200" SHAFT						2.953	2.958	.256			
—	—	—	S	800550	VRS1	75,00	75,20	7,00	S	56X75X7★	32
—	—	—	V	800554	VRS1	2.953	2.961	.276			
—	—	.500		*99220	Redi-Sleeve	75,00	75,33	8,00	S	225775★	#
2.804	—	.300	N	710171	#	2.953	2.966	.315			
3.022	3.028	.422	N	4741↔	#	75,75	76,00	8,00	S	*56X76X8★	32
2.201" SHAFT						2.982	2.992	.315			
—	—	—	S	800550	VRS1	76,00	76,12	12,30	S	710108★	66
—	—	—	V	800554	VRS1	2.992	2.997	.484			
—	—	.500		*99220	Redi-Sleeve	76,00	76,15	11,50	S	*4905★	72
2.735	2.741	.197	S	3553&	284	2.992	2.998	.453			
2.735	2.741	.197	S	*3948	#	76,00	76,15	11,50	S	710146★	72
2.830	2.836	.450	S	710069&	#	2.992	2.998	.453			
3.519	3.523	.590	S	2286	74	78,00	78,20	8,00	S	*56X78X8★	32
56,00mm (2.205") SHAFT						3.071	3.079	.315			
—	—	—	S	800550	VRS1	78,00	78,28	7,50	S	225678★	#
—	—	—	V	800554	VRS1	3.071	3.082	.295			
—	—	.500		*99220	Redi-Sleeve	79,72	80,00	10,00	S	*56X80X10★	32
66,00	66,20	17,00	S	710382★	#	3.139	3.150	.394			
2.598	2.606	.669				79,72	80,00	13,00	S	*56X80X13★	32
67,00	67,20	6,00	S	710169★	#	3.139	3.150	.512			
2.638	2.646	.236				80,00	80,28	8,00	S	56X80X8★	32
68,00	68,12	10,00	N	56X68X10★	32	3.150	3.161	.315			
2.677	2.682	.394				82,00	82,20	8,00	S	56X82X8★	32
68,00	68,28	10,00	S	1932★	49	3.228	3.236	.315			
2.677	2.688	.394				84,72	85,00	10,00	S	*56X85X10★	32
69,75	70,00	9,00	S	*56X70X9★	32	3.335	3.346	.394			
2.746	2.756	.354				85,00	85,28	8,00	S	56X85X8★	35
70,00	70,20	8,00	S	56X70X8★	35	3.346	3.357	.315			
2.756	2.764	.315				88,00	88,20	8,00	S	56X88X8★	32
70,00	70,20	8,00	V	*56X70X8V★	35	3.465	3.472	.315			
2.756	2.764	.315				90,00	90,20	8,00	S	56X90X8★	32
71,75	72,00	8,00	S	*56X72X8★	32	3.543	3.551	.315			
2.825	2.835	.315				122,00	122,25	8,00	S	710086★	#
						4.803	4.813	.315			
						2.218" (2-7/32") SHAFT					
						—	—	—	S	800550	VRS1
						—	—	—	V	800554	VRS1
						3.350	3.355	.468	L	50631	5L
						2.222" SHAFT					
						—	—	—	S	800550	VRS1

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CCW ↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.222" SHAFT (cont.)						2.250" (2-1/4") SHAFT (cont.)					
—	—	—	V	800554	VRS1	2.675	2.733	.539	S	722109	VRS1
3.543	3.548	.760	H	7568	#	2.750	—	.250	U	710026	#
2.231" SHAFT						2.750	—	.375	U	710041	#
—	—	—	S	800550	VRS1	2.873	2.877	.312	S	*481336	48
—	—	—	V	800554	VRS1	2.875	2.879	.250	S	43034S	4S
—	—	.500		*99229	Redi-Sleeve	2.875	2.879	.500	S	*453613	45
—	—	.781		99230	Redi-Sleeve	2.987	2.991	.500	S	*411452	41
3.017	2.974	.070	S	*8730	#	2.996	3.001	.437	S	*411341	41
3.371	3.376	.812	S	*392076	#	2.996	3.001	.437	N	*411341N	41
2.240" SHAFT						2.996	3.001	.437	S	*451341	45
—	—	—	S	800550	VRS1	2.996	3.001	.437	H	*451341H	45
—	—	—	V	800554	VRS1	2.996	3.001	.437	S	*471341	47
—	—	.764		99226	Redi-Sleeve	2.996	3.001	.437	H	*471341H	47
3.190	3.194	.450	S	3095	69	2.996	3.001	.437	N	471341N	47
57.00mm (2.244") SHAFT						2.996	3.001	.500	S	*410441	41
—	—	—	S	800550	VRS1	2.996	3.001	.500	N	*410441N	41
—	—	—	V	800554	VRS1	2.996	3.001	.500	S	450441	45
57.12	82.55	7.47	S	*7068★%	200E	2.996	3.001	.500	N	*450441N	45
2.249	3.250	.294				2.996	3.001	.500	S	*470441	47
66.75	67.00	6.00	S	*57X67X6★	32	2.996	3.001	.500	V	*470441V	47
2.628	2.638	.236				2.996	3.001	.500	S	*480441	48
67.00	67.11	6.00	S	1984★	25	3.000	3.005	.250	S	40520S	4S
2.638	2.642	.236				3.000	3.005	.375	S	*411272	41
67.00	67.11	6.00	S	*253752★	25	3.000	3.005	.375	S	*451272	45
2.638	2.642	.236				3.000	3.005	.375	S	*471272	47
72.00	72.25	8.40	S	1964★	47	3.000	3.005	.375	H	*471272H	47
2.835	2.844	.331				3.000	3.005	.375	N	471272N	47
74.75	75.00	12.00	S	*57X75X12★	32	3.000	3.005	.375	V	471272V	47
2.943	2.953	.472				3.000	3.005	.375	S	*481272	48
77.00	77.20	8.00	S	710129★	#	3.000	3.005	.375	N	*481272N	48
3.031	3.039	.315				3.000	3.005	.375	V	712250	47
79.00	79.28	13.50	S	710072★	#	3.000	3.005	.438	V	483323V	48
3.110	3.121	.531				3.000	3.005	.500	S	410520	41
79.00	79.28	14.98	S	710074★	#	3.000	3.005	.500	N	*410520N	41
3.110	3.121	.590				3.000	3.005	.500	S	*450520	45
79.72	80.00	12.00	S	*57X80X12★	32	3.000	3.005	.500	S	*450520N	45
3.139	3.150	.472				3.000	3.005	.500	S	*470520	47
80.00	80.10	8.00	S	710225★	#	3.000	3.005	.500	N	*470520N	47
3.150	3.154	.315				3.000	3.005	.500	S	*480520	48
81.00	81.10	9.00	S	1928★	47	3.000	3.060	.290	S	*200940%	200E
3.189	3.193	.354				3.035	3.044	.375	S	352637	35
81.00	81.20	8.00	S	*57X81X8★	32	3.061	3.066	.375	S	*473473	47
3.189	3.197	.315				3.061	3.066	.437	F	*6082	29
82.22	82.50	10.00	S	*57X82.5X10★	32	3.061	3.066	.500	N	7937N	41
3.237	3.248	.394				3.061	3.066	.500	S	*411234	41
84.72	85.00	10.00	S	*57X85X10★	32	3.061	3.066	.500	N	*411234N	41
3.335	3.346	.394				3.061	3.066	.500	S	*451234	45
84.72	85.00	12.00	S	*57X85X12★	32	3.061	3.066	.500	S	*481234	48
3.335	3.346	.472				3.125	3.130	.250	S	40433S	4S
84.72	85.00	15.00	S	*57X85X15★	32	3.125	3.130	.375	S	*411138	41
3.335	3.346	.591				3.125	3.130	.375	S	*451138	45
85.00	85.20	13.00	S	57X85X13★	32	3.125	3.130	.375	S	*471138	47
3.346	3.354	.512				3.125	3.130	.375	S	*481138	48
92.00	92.20	8.00	S	*57X92X8★	32	3.125	3.130	.375	H	*481138H	48
3.622	3.630	.315				3.125	3.130	.375	N	*481138N	48
2.250" (2-1/4") SHAFT						3.125	3.130	.500	S	*410433	41
—	—	—	S	800550	VRS1	3.125	3.130	.500	S	*450433	45
—	—	—	V	800554	VRS1	3.125	3.130	.500	N	*450433N	45
—	—	.313		99227	Redi-Sleeve	3.125	3.130	.500	S	*470433	47
—	—	.781		99225	Redi-Sleeve	3.125	3.130	.500	S	*480433	48
—	2.840	.500	S	710045	VRS1	3.189	3.194	.375	S	*472916	47
2.625	2.636	.187	S	341022	34	3.189	3.194	.375	S	*482916	48
						3.189	3.194	.437	S	*50737	5S
						3.189	3.194	.437	S	*410737	41
						3.189	3.194	.437	S	450737	45
						3.189	3.194	.437	N	*450737N	45
						3.189	3.194	.437	S	470737	47
						3.189	3.194	.437	N	470737N	47
						3.189	3.194	.437	S	*480737	48
						3.249	3.250	.285	S	200763%	200E
						3.250	3.256	.625	S	*8571	#
						3.251	3.256	.250	S	40316S	4S

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW % External Bore * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
2.250" (2-1/4") SHAFT (cont.)						2.254" SHAFT					
3.251	3.256	.375	S	*452636	45	2.756	2.763	.340	V	481191V	48
3.251	3.256	.375	S	*472636	47	2.255" SHAFT					
3.251	3.256	.375	V	*472636V	47	-	-	-	S	800550	VRS1
3.251	3.256	.375	S	*482636	48	-	-	-	V	800554	VRS1
3.251	3.256	.437	S	*410614	41	-	-	.313	99227	Redi-Sleeve	
3.251	3.256	.437	N	*410614N	41	-	-	.781	99225	Redi-Sleeve	
3.251	3.256	.437	S	*450614	45	3.312	3.317	.380	S	44052	4S
3.251	3.256	.500	S	410316	41	2.258" SHAFT					
3.251	3.256	.500	H	*410316H	41	-	-	-	S	800550	VRS1
3.251	3.256	.500	N	410316N	41	-	-	-	V	800554	VRS1
3.251	3.256	.500	S	450316	45	3.906	3.950	.250	S	*8754S	#
3.251	3.256	.500	H	*450316H	45	2.272" SHAFT					
3.251	3.256	.500	N	*450316N	45	-	-	-	S	800550	VRS1
3.251	3.256	.500	S	*470316	47	-	-	-	V	800554	VRS1
3.251	3.256	.500	S	*480316	48	2.654	2.661	.250	T	39821	W
3.251	3.256	.500	S	*480316N	48	58,00mm (2.283") SHAFT					
3.252	3.260	.551	N	712512	#	-	-	-	S	800550	VRS1
3.264	3.269	.312	F	*292100	29	-	-	-	V	800554	VRS1
3.350	3.355	.250	S	*42289	4S	67,75	68,00	9,00	S	*58X68X9★	32
3.350	3.355	.312	N	454136N	45	2.667	2.677	.354	S	*58X70X7★	32
3.350	3.355	.375	S	*411253	41	69,75	70,00	7,00	S	*58X70X11★	32
3.350	3.355	.468	L	*50099	5L	2.746	2.756	.276	S	*58X72X9★	32
3.350	3.355	.468	S	*50099S	5S	69,75	70,00	11,00	S	*58X72X10★	32
3.350	3.355	.468	S	*410099	41	2.746	2.756	.433	S	*58X72X8V★	35
3.350	3.355	.468	N	*410099N	41	71,75	72,00	9,00	S	*58X72X8★	32
3.350	3.355	.468	S	450099	45	2.825	2.835	.354	S	225872★	33
3.350	3.355	.468	S	*480099	48	71,75	72,00	10,00	S	*58X72X10★	32
3.350	3.355	.500	S	*456622	45	2.825	2.835	.394	S	225872★	33
3.371	3.376	.375	S	*412920	41	72,00	72,18	8,00	S	*58X72X8V★	35
3.371	3.376	.375	V	*412920V	41	2.835	2.842	.315	S	58X72X8★	32
3.371	3.376	.375	S	442109	44	72,00	72,20	8,00	V	*58X72X8V★	35
3.371	3.376	.375	S	*452920	45	2.835	2.843	.315	S	58X72X8★	32
3.371	3.376	.375	S	*472920	47	2.835	2.846	.315	S	710439★	#
3.371	3.376	.375	S	*482920	48	2.874	2.878	.335	S	*58X74X10★	32
3.371	3.376	.468	S	*410132	41	73,75	74,00	10,00	S	*58X74X10★	32
3.371	3.376	.468	S	450132	45	2.903	2.913	.394	N	225874★	101
3.371	3.376	.468	S	*470132	47	74,00	74,12	13,00	N	225874★	101
3.371	3.376	.468	S	*480132	48	2.913	2.918	.512	S	710271★	32
3.371	3.376	.468	N	*480132N	48	74,00	74,20	10,00	S	710271★	32
3.371	3.376	.500	S	*442270	44	2.913	2.921	.394	S	*58X75X9★	32
3.372	3.377	.475	S	370219A	12	74,75	75,00	9,00	S	*58X75X9★	32
3.400	3.700	.280	S	200929%	200E	2.943	2.953	.354	S	*58X75X10★	32
3.443	3.447	.250	S	41075S	4S	74,75	75,00	10,00	S	*58X75X10★	32
3.481	3.486	.500	S	455136	45	2.943	2.953	.394	S	*58X75X12★	32
3.500	3.505	.250	S	*42587S	4S	74,75	75,00	12,00	S	*58X75X12★	32
3.500	3.505	.375	S	*411376	41	75,00	75,10	9,00	S	710400★	47
3.500	3.505	.375	S	*471376	47	2.953	2.957	.354	S	710136★	#
3.500	3.505	.500	S	*415093	41	75,00	75,20	7,00	S	58X75X7★	32
3.500	3.505	.500	N	*415093N	41	2.953	2.963	.276	S	58X75X11★	35
3.500	3.505	.500	S	455093	45	75,00	75,28	11,00	S	225875★	32
3.500	3.505	.500	S	*475093	47	2.953	2.964	.433	S	710183★	66
3.500	3.505	.500	S	*485093	48	76,00	76,10	6,50	S	710230★	#
3.543	3.548	.500	S	*416270	41	2.992	2.996	.256	N	225877★	35
3.623	3.628	.468	S	*415234	41	76,00	76,23	7,80	S		
3.623	3.628	.468	S	*455234	45	2.992	3.001	.307			
3.623	3.628	.468	S	*475234	47	77,00	77,28	8,50			
3.623	3.628	.468	N	475234N	47	3.031	3.043	.335			
3.623	3.628	.468	S	*485234	48						
3.623	3.628	.500	S	*456792	45						
3.751	3.756	.500	S	*415259	41						
3.751	3.756	.500	S	*455259	45						
3.751	3.756	.500	S	*475259	47						
3.751	3.756	.500	S	*485259	48						
3.876	3.881	.468	L	55337	5L						
4.003	4.008	.468	S	*415254	41						
4.003	4.008	.468	S	*455254	45						
4.003	4.008	.468	S	*475254	47						
4.010	4.015	.843	L	*5921	1L						
4.064	4.069	1.092	N	*4036N	90						
4.064	4.069	1.092	N	722250	90						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CCW % External Bore * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
58,00mm (2.283") SHAFT (cont.)						2.312" (2-5/16") SHAFT (cont.)					
77,72	78,00	9,00	S	*58X78X9★	32	3.125	3.130	.375	N	*472150N	47
3,060	3,071	.354				3.125	3.130	.375	V	*472150V	47
77,72	78,00	12,00	S	*58X78X12★	32	3.125	3.130	.500	S	*410551	41
3,060	3,071	.472				3.125	3.130	.500	S	*450551	45
78,00	78,20	8,00	S	*58X78X8★	32	3.125	3.135	.375	S	*712145	35
3,071	3,079	.315				3.251	3.256	.375	S	*411394	41
78,00	78,20	10,00	S	710144★◄	#	3.251	3.256	.375	S	*471394	47
3,071	3,079	.394				3.251	3.256	.437	S	*452152	45
79,72	80,00	9,00	S	*58X80X9★	32	3.251	3.256	.500	S	*50317	5S
3,139	3,150	.354				3.251	3.256	.500	S	*410317	41
79,72	80,00	10,00	S	*58X80X10★	32	3.251	3.256	.500	S	450317	45
3,139	3,150	.394				3.251	3.256	.500	N	*450317N	45
79,72	80,00	12,00	S	*58X80X12★	32	3.251	3.256	.500	S	*470317	47
3,139	3,150	.472				3.313	3.318	.375	L	5924	4L
79,72	80,00	13,00	S	*58X80X13★	32	3.350	3.355	.375	S	*410694	41
3,139	3,150	.512				3.350	3.355	.468	N	*410100N	41
80,00	80,20	8,00	V	*58X80X8V★	35	3.350	3.355	.468	S	*450100	45
3,150	3,157	.315				3.371	3.376	.468	S	*450133	45
80,00	80,28	8,00	S	225880★	32	3.500	3.505	.375	S	*416444	41
3,150	3,161	.315				3.500	3.505	.500	S	*415094	41
80,00	80,28	8,00	S	58X80X8★	32	3.500	3.505	.500	S	*455094	45
3,150	3,161	.315				3.500	3.505	.500	N	*455094N	45
80,14	80,24	9,53	S	493291★	49	3.543	3.548	.500	S	*455647	45
3,155	3,159	.375				3.751	3.756	.500	S	455321	45
80,98	81,18	6,35	S	*341119★	34	4.003	4.008	.468	S	*455267	45
3,188	3,196	.250				59,00mm (2.323") SHAFT					
81,72	82,00	12,00	S	*58X82X12★	32	—	—	—	S	800600	VRS1
3,217	3,228	.472				75,00	75,11	10,00	S	710168★	47
82,00	82,20	8,00	S	*58X82X8★	32	2.953	2.957	.394			
3,228	3,236	.315				78,30	78,55	8,00	S	710229★	40
84,72	85,00	8,00	S	*58X85X8★	32	3,083	3,093	.315			
3,335	3,346	.315				78,30	78,55	8,00	S	710231★	32
84,72	85,00	12,00	S	*58X85X12★	32	3,083	3,093	.315			
3,335	3,346	.472				100,00	100,28	10,00	N	710121★	#
85,00	85,25	13,00	S	58X85X13★	32	3.937	3.948	.394			
3,346	3,356	.512				2.324" SHAFT					
85,00	85,28	10,00	S	58X85X10★	35	.000	3.546	.591	S	710508	71
3,346	3,357	.394				2.325" SHAFT					
88,00	88,20	8,00	S	58X88X8★	32	—	—	—	S	800600	VRS1
3,465	3,472	.315				3.125	3.130	.313	S	710430&	#
90,00	90,28	10,00	S	58X90X10★	35	2.330" SHAFT					
3,543	3,554	.394				—	—	—	S	800600	VRS1
91,72	92,00	8,00	S	*58X92X8★	32	—	—	.750	S	*99233	Redi-Sleeve
3,611	3,622	.315				2.997	3.001	.312	S	493637	49
103,00	103,20	11,00	N	710268★◄	40	3.000	3.005	.400	N	3945◄◄	48
4,055	4,063	.433				3.000	3.005	.400	N	*332271N	33
2.296" SHAFT						2.336" SHAFT					
—	—	—	S	800600	VRS1	—	—	—	S	800600	VRS1
3.148	3.153	.359	S	204035	204	3.408	3.402	.187	N	*9246N	25
3.148	3.153	.359	F	205035	205	2.359" SHAFT					
2.310" SHAFT						3.938	3.952	.575	V	370199A	09
—	—	—	S	800600	VRS1	60,00mm (2.362") SHAFT					
—	—	.781	S	*99231	Redi-Sleeve	—	—	—	S	800600	VRS1
2.965	2.970	.250	S	*8120	#	—	—	.370	S	*99241	Redi-Sleeve
2.312" (2-5/16") SHAFT						—	—	.787	S	*99235	Redi-Sleeve
—	—	—	S	800600	VRS1	69,75	70,00	10,00	S	*60X70X10★	32
—	—	.781	S	*99231	Redi-Sleeve	2.746	2.756	.394			
3.000	3.004	.375	S	4131&	287						
3.000	3.005	.250	S	442874	44						
3.000	3.005	.500	S	*411160	41						
3.000	3.005	.500	N	*411160N	41						
3.000	3.005	.500	V	411160V	41						
3.000	3.005	.500	N	*451160N	45						
3.065	3.070	.281	S	43109S	4S						
3.125	3.130	.375	S	*472150	47						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◄ Hydrodynamic Lip Design-CCW ◄◄ Hydrodynamic Lip Design-Bidirectional & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
60,00mm (2.362") SHAFT (cont.)						60,00mm (2.362") SHAFT (cont.)					
69,75	70,00	12,00	S	*60X70X12★	32	82,00	82,30	12,00	S	60X82X12★	35
2,746	2,756	.472				3,228	3,240	.472			
71,75	72,00	9,00	S	*60X72X9★	32	83,72	84,00	10,00	S	*60X84X10★	32
2,825	2,835	.354				3,296	3,307	.394			
71,75	72,00	10,00	S	*60X72X10★	32	84,72	85,00	6,00	S	*60X85X6★	32
2,825	2,835	.394				3,335	3,346	.236			
72,00	72,10	7,50	S	710379★	47	84,72	85,00	10,00	S	*60X85X10★	32
2,835	2,839	.295				3,335	3,346	.394			
72,00	72,28	8,00	S	60X72X8★	35	84,72	85,00	13,00	S	*60X85X13★	32
2,835	2,846	.315				3,335	3,346	.512			
73,75	74,00	10,00	S	*60X74X10★	32	85,00	85,20	8,00	V	*60X85X8V★	32
2,903	2,913	.394				3,346	3,354	.315			
74,00	74,10	10,00	V	226001★◄	25	85,00	85,20	12,00	S	60X85X12★	32
2,913	2,917	.394				3,346	3,354	.472			
74,75	75,00	9,00	S	*60X75X9★	32	85,00	85,28	8,00	S	60X85X8★	32
2,943	2,953	.354				3,346	3,357	.315			
74,75	75,00	10,00	S	*60X75X10★	32	85,50	85,70	7,00	H	*4599H★➡	#
2,943	2,953	.394				3,366	3,374	.276			
74,75	75,00	12,00	S	*60X75X12★	32	85,72	86,00	10,00	S	*60X86X10★	32
2,943	2,953	.472				3,375	3,386	.394			
75,00	75,20	8,00	V	*60X75X8V★	32	86,00	86,10	7,00	S	710182★	66
2,953	2,961	.315				3,386	3,390	.276			
75,00	75,28	8,00	S	60X75X8★	32	88,00	88,20	8,00	S	*60X88X8★	32
2,953	2,964	.315				3,465	3,472	.315			
75,00	75,33	9,00	N	226015★◄	32	89,72	90,00	11,00	S	*60X90X11★	32
2,953	2,966	.354				3,532	3,543	.433			
75,00	75,50	10,00	T	712113★➡	FW-H	89,72	90,00	12,00	S	*60X90X12★	32
2,953	2,972	.394				3,532	3,543	.472			
75,00	86,00	11,80	S	710093★	#	89,72	90,00	13,00	S	*60X90X13★	32
2,953	3,386	.465				3,532	3,543	.512			
75,75	76,00	9,00	S	*60X76X9★	32	90,00	90,25	8,00	S	60X90X8★	32
2,982	2,992	.354				3,543	3,553	.315			
76,72	77,00	12,00	S	*60X77X12★	32	90,00	90,25	22,00	S	1985★	#
3,020	3,031	.472				3,543	3,553	.866			
77,72	78,00	9,00	S	*60X78X9★	32	90,00	90,27	10,00	S	60X90X10★	35
3,060	3,071	.354				3,543	3,554	.394			
77,72	78,00	10,00	S	*60X78X10★	32	94,72	95,00	10,00	S	*60X95X10★	32
3,060	3,071	.394				3,729	3,740	.394			
78,00	78,20	8,00	S	*60X78X8★	32	94,72	95,00	12,00	S	*60X95X12★	32
3,071	3,079	.315				3,729	3,740	.472			
78,00	78,28	8,00	N	226018★	35	94,72	95,00	13,00	S	*60X95X13★	32
3,071	3,082	.315				3,729	3,740	.512			
79,22	79,50	10,00	S	*60X79.5X10★	32	95,00	95,20	8,00	S	60X95X8★	32
3,119	3,130	.394				3,740	3,748	.315			
79,72	80,00	9,00	S	*60X80X9★	32	99,72	100,00	13,00	S	*60X100X13★	32
3,139	3,150	.354				3,926	3,937	.512			
79,72	80,00	10,00	S	*60X80X10★	32	100,00	100,20	8,00	S	*60X100X8★	32
3,139	3,150	.394				3,937	3,945	.315			
79,72	80,00	12,00	S	*60X80X12★	32	100,00	100,20	10,00	N	60X100X10★◄➡	32
3,139	3,150	.472				3,937	3,945	.394			
79,72	80,00	13,00	S	*60X80X13★	32	103,00	103,10	12,00	N	710276★◄➡	40
3,139	3,150	.512				4,055	4,059	.472			
80,00	80,20	8,00	S	60X80X8★	32	103,72	104,00	12,00	S	*60X104X12★	32
3,150	3,157	.315				4,083	4,094	.472			
80,00	80,20	8,00	V	*60X80X8V★	32	105,00	105,20	8,00	S	*60X105X8★	32
3,150	3,157	.315				4,134	4,142	.315			
80,00	80,20	8,00	S	710333★◄	32	109,72	110,00	12,00	S	*60X110X12★	32
3,150	3,157	.315				4,320	4,331	.472			
80,00	80,29	8,00	S	226020★	35	110,00	110,20	8,00	S	60X110X8★	32
3,150	3,161	.315				4,331	4,339	.315			
81,72	82,00	9,00	S	*60X82X9★	32						
3,217	3,228	.354									
82,00	82,20	7,00	S	60X82X7★	32						
3,228	3,236	.276									
82,00	82,20	10,00	N	710390★➡	32						
3,228	3,236	.394									
82,00	82,20	12,00	V	710350★➡	#						
3,228	3,236	.472									
82,00	82,20	12,00	H	712006★◄	32						
3,228	3,236	.472									
82,00	82,28	12,00	S	2001★◄	32						
3,228	3,239	.472									
						2.367" SHAFT					
						—	—	—	S	800600	VRS1
						3,366	3,374	.257	V	4539V	75
						3,366	3,374	.257	H	*3765➡	48
						3,366	3,374	.257	H	4539H➡	75
						2.375" (2-3/8") SHAFT					
						—	—	—	S	800600	VRS1
						—	—	.526		99240	Redi-Sleeve

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄➡ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.375" (2-3/8") SHAFT (cont.)						2.375" (2-3/8") SHAFT (cont.)					
-	-	.594		99238	Redi-Sleeve	3.350	3.355	.438	S	472856	47
-	-	.781		99236	Redi-Sleeve	3.350	3.355	.468	S	*410101	41
-	-	.781		99237	Redi-Sleeve	3.350	3.355	.468	N	410101N	41
2.873	2.877	.312	S	*253610	25	3.350	3.355	.468	S	*410101S	41
2.996	3.001	.500	S	470764	47	3.350	3.355	.468	V	*410101V	41
3.000	3.005	.250	S	41026S	4S	3.350	3.355	.468	S	450101	45
3.000	3.005	.375	S	473573	47	3.350	3.355	.468	H	*450101H	45
3.000	3.013	.394	T	5288	#	3.350	3.355	.468	N	*450101N	45
3.000	3.013	.400	V	3393	32	3.350	3.355	.468	S	*470101	47
3.061	3.066	.375	S	473474	47	3.350	3.355	.468	N	*470101N	47
3.061	3.066	.500	S	*410988	41	3.350	3.355	.468	S	*480101	48
3.061	3.066	.500	N	*410988N	41	3.350	3.355	.468	H	*480101H	48
3.061	3.066	.500	S	*450988	45	3.350	3.355	.468	N	*480101N	48
3.061	3.066	.500	H	*450988H	45	3.350	3.355	.625	N	*4155	#
3.061	3.066	.500	N	*450988N	45	3.350	3.355	.703	S	*474198	47
3.061	3.066	.500	V	*450988V	45	3.371	3.376	.375	S	413247	41
3.061	3.066	.500	S	*470988	47	3.371	3.376	.375	S	*453247	45
3.061	3.066	.500	N	*470988N	47	3.371	3.376	.375	S	*473247	47
3.061	3.066	.500	S	*480988	48	3.371	3.376	.375	S	*483247	48
3.061	3.066	.500	H	480988H	48	3.371	3.376	.468	S	*50350	5S
3.112	3.117	.250	S	*42707S	4S	3.371	3.376	.468	S	*410350	41
3.112	3.117	.500	S	*411178	41	3.371	3.376	.468	S	450350	45
3.125	3.130	.375	S	*410565	41	3.371	3.376	.468	H	*450350H	45
3.125	3.130	.375	N	*410565N	41	3.371	3.376	.468	N	*450350N	45
3.125	3.130	.375	S	*450565	45	3.371	3.376	.468	S	*470350	47
3.125	3.130	.375	S	470565	47	3.371	3.376	.468	S	*480350	48
3.125	3.130	.375	N	*470565N	47	3.471	3.616	.290	S	200855%	200E
3.125	3.130	.375	V	*470565V	47	3.481	3.486	.437	S	410987	41
3.125	3.130	.375	S	*480565	48	3.481	3.486	.437	S	470987	47
3.125	3.130	.500	S	*410552	41	3.481	3.486	.500	S	*50103	5S
3.125	3.130	.500	N	*410552N	41	3.481	3.486	.500	S	*410103	41
3.125	3.130	.500	S	*450552	45	3.481	3.486	.500	S	450103	45
3.125	3.130	.500	N	*450552N	45	3.481	3.486	.663	L	*6214	3L
3.125	3.130	.500	S	*470552	47	3.483	3.488	.500	N	410686N	41
3.125	3.130	.500	H	*470552H	47	3.483	3.488	.500	N	410686N	41
3.125	3.130	.500	N	*470552N	47	3.483	3.488	.500	S	450686	45
3.125	3.130	.500	S	*480552	48	3.500	3.505	.375	S	416271	41
3.125	3.138	.500	V	*320552V	32	3.500	3.505	.375	A	416271A	41
3.189	3.194	.375	S	473475	47	3.500	3.505	.375	N	*416271N	41
3.189	3.194	.437	S	*410320	41	3.500	3.505	.375	S	*456271	45
3.189	3.194	.437	H	*410320H	41	3.500	3.505	.375	V	*456271V	45
3.189	3.194	.437	N	*410320N	41	3.500	3.505	.375	S	*476271	47
3.189	3.194	.437	S	*450320	45	3.500	3.505	.375	S	*486271	48
3.189	3.194	.437	S	*470320	47	3.500	3.505	.500	S	*55095S	5S
3.189	3.194	.437	S	*480320	48	3.500	3.505	.500	S	*415095	41
3.251	3.255	.375	N	413246N	41	3.500	3.505	.500	N	*415095N	41
3.251	3.256	.375	S	413246	41	3.500	3.505	.500	S	*455095	45
3.251	3.256	.375	S	*453246	45	3.500	3.505	.500	S	*475095	47
3.251	3.256	.375	S	*473246	47	3.500	3.505	.500	N	475095N	47
3.251	3.256	.375	S	*483246	48	3.500	3.505	.500	S	*485095	48
3.251	3.256	.375	N	483246N	48	3.500	3.505	.703	S	*415971	41
3.251	3.256	.437	S	*412038	41	3.500	3.505	.703	H	*415971H	41
3.251	3.256	.437	N	412038N	41	3.500	3.505	.730	V	*3278	#
3.251	3.256	.437	S	*452038	45	3.543	3.548	.375	S	412861	41
3.251	3.256	.500	S	*410574	41	3.543	3.548	.500	S	*415248	41
3.251	3.256	.500	N	*410574N	41	3.543	3.548	.500	N	415248N	41
3.251	3.256	.500	S	*450574	45	3.543	3.548	.500	S	*455248	45
3.251	3.256	.500	H	*450574H	45	3.601	3.606	.437	L	*55857	5L
3.251	3.256	.500	N	*450574N	45	3.601	3.606	.437	S	415857	41
3.251	3.256	.500	S	*470574	47	3.623	3.628	.359	S	*55829	5S
3.251	3.256	.500	N	470574N	47	3.623	3.628	.375	S	410825	41
3.251	3.256	.500	S	*480574	48	3.623	3.628	.375	S	*470825	47
3.251	3.256	.625	V	710210	74	3.623	3.628	.468	N	*415380N	41
3.252	3.256	.500	H	480574H	48	3.623	3.628	.468	S	*455380	45
3.265	3.270	.495	S	5119	49	3.623	3.628	.468	N	*455380N	45
3.266	3.270	.495	S	*492486	49	3.623	3.628	.468	V	*455380V	45
3.350	3.355	.250	S	40101S	4S	3.623	3.628	.468	S	*475380	47
3.350	3.355	.250	S	442507	44	3.623	3.628	.500	N	475380N	47
3.350	3.355	.312	S	*454199	45	3.623	3.628	.500	S	*456472	45
3.350	3.355	.375	S	412119	41	3.750	3.755	.250	S	*47314S	4S
						3.750	3.756	.500	S	*455728	45

SIZE SECTION

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ⬅ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.375" (2-3/8") SHAFT (cont.)						2.437" (2-7/16") SHAFT (cont.)					
3.751	3.756	.500	S	416071	41	3.251	3.256	.437	S	412040	41
3.875	3.881	1.060	N	*2756N&	74	3.251	3.256	.500	S	*410322	41
3.875	3.881	1.060	N	711553↔	74	3.251	3.256	.500	S	*450322	45
3.876	3.881	.375	S	417480	41	3.251	3.256	.500	S	*470322	47
3.876	3.881	.375	N	*417480N	41	3.350	3.355	.375	S	411500	41
3.876	3.881	.468	S	455860	45	3.350	3.355	.468	S	*410374	41
4.064	4.069	1.092	N	*4038N	90	3.350	3.355	.468	N	*410374N	41
4.064	4.069	1.092	N	712375	90	3.350	3.355	.468	S	*450374	45
4.310	5.880	.331	S	*6959	#	3.371	3.376	.375	S	413478	41
4.330	4.335	.500	N	*416795N	41	3.371	3.376	.468	S	*410324	41
4.376	4.381	.625	S	*455650	45	3.371	3.376	.468	S	*450324	45
4.498	4.504	.391	N	714512↔	87	3.481	3.486	.500	S	450104	45
4.498	4.504	.860	N	*4512↔	#	3.500	3.505	.375	S	411245	41
4.498	4.504	1.060	N	*2757N&	74	3.500	3.505	.500	S	*415096	41
4.500	4.504	1.060	N	710006↔	74	3.500	3.505	.500	N	*415096N	41
60,50mm (2.382") SHAFT						3.500	3.505	.500	S	455096	45
77.72	78.00	10.00	S	*60.5X78X10★	32	3.500	3.505	.500	V	*455096V	45
3.060	3.071	.394				3.500	3.505	.500	S	*475096	47
2.390" SHAFT						3.543	3.548	.375	S	417073	41
3.260	3.300	.294	S	*200939%	200E	3.543	3.548	.500	S	*455000	45
2.395" SHAFT						3.623	3.628	.468	S	*476272	47
-	-	-	S	800600	VRS1	3.624	3.628	.375	S	3210	49
3.941	3.948	.070	S	*8829	#	4.000	4.055	1.093	S	*8636	#
61,00mm (2.402") SHAFT						62,00mm (2.441") SHAFT					
-	-	-	S	800600	VRS1	-	-	-	S	800600	VRS1
0.00	78.00	13.49	S	710528★	#	-	-	.500		99242	Redi-Sleeve
.000	3.071	.531				74.00	74.10	7.00	S	710392★	#
76.00	76.28	7.00	S	226150★	#	2.913	2.917	.276			
2.992	3.003	.276				74.75	75.00	10.00	S	*62X75X10★	32
88.00	88.00	7.00	S	710170★	#	2.943	2.953	.394			
3.465	3.465	.276				74.75	75.00	12.00	S	*62X75X12★	32
2.420" SHAFT						2.943	2.953	.472			
-	-	-	S	800600	VRS1	77.72	78.00	10.00	S	*62X78X10★	32
3.000	3.005	.382	S	4160	281	3.060	3.071	.394			
3.349	3.355	.375	V	*3501V	69	78.00	78.10	7.00	S	710213★	281
3.552	3.558	.336	S	*4185	#	3.071	3.075	.276			
2.430" SHAFT						78.00	78.20	8.00	S	*62X78X8★	32
-	-	-	S	800600	VRS1	3.071	3.079	.315			
-	3.031	.380	S	*7187S	#	79.72	80.00	12.00	S	*62X80X12★	32
2.432" SHAFT						3.139	3.150	.472			
-	-	-	S	800600	VRS1	80.00	80.20	9.00	S	62X80X9★	32
3.070	3.075	.227	N	4019N↔	47	3.150	3.157	.315			
2.437" (2-7/16") SHAFT						80.00	80.20	10.00	V	*62X80X10V★	35
-	-	-	S	800600	VRS1	3.150	3.157	.394			
-	-	.500		99242	Redi-Sleeve	80.00	80.28	10.00	S	62X80X10★	32
-	-	.781		99243	Redi-Sleeve	3.150	3.161	.394			
3.117	3.145	.540	S	*9303S	#	81.72	82.00	10.00	S	*62X82X10★	32
3.125	3.130	.375	S	471887	47	3.217	3.228	.394			
3.125	3.130	.375	H	*471887H	47	82.00	82.20	8.00	S	*62X82X8★	32
3.125	3.130	.375	N	*471887N	47	3.228	3.236	.315			
3.125	3.130	.375	H	*481887H	48	84.72	85.00	10.00	S	*62X85X10★	32
3.125	3.130	.500	S	*450525	45	3.335	3.346	.394			
3.125	3.130	.500	S	*410525	41	84.72	85.00	12.00	S	*62X85X12★	32
3.149	3.154	.291	S	*200397	200	3.335	3.346	.472			
3.251	3.256	.250	S	*40322	4S	84.72	85.00	13.00	S	*62X85X13★	32
3.251	3.256	.375	S	*413477	41	3.335	3.346	.512			
						85.00	85.13	8.00	S	62X85X8★	41
						3.346	3.352	.315			
						85.00	85.13	8.00	S	226285★	41
						3.346	3.352	.315			
						85.00	85.13	8.00	S	*414072★	41
						3.346	3.352	.315			
						88.00	88.20	8.00	S	62X88X8★	32
						3.465	3.472	.315			
						88.72	89.00	12.00	S	*62X89X12★	32
						3.493	3.504	.472			
						89.72	90.00	13.00	S	*62X90X13★	32
						3.532	3.543	.512			
						90.00	90.28	10.00	S	62X90X10★	32
						3.543	3.554	.394			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↗ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
62,00mm (2.441") SHAFT (cont.)						2.485" SHAFT					
92,00	92,20	8,00	S	62X92X8★	32	—	—	—	S	800650	VRS1
3.622	3.630	.315				—	—	—	V	800654	VRS1
94,72	95,00	12,00	S	*62X95X12★	32	3.165	—	.188	U	710042	#
3.729	3.740	.472				2.496" SHAFT					
99,72	100,00	10,00	S	*62X100X10★	32	—	—	—	S	800650	VRS1
3.926	3.937	.394				—	—	—	V	800654	VRS1
99,72	100,00	12,00	S	*62X100X12★	32	3.243	3.248	.420	S	*4101	#
3.926	3.937	.472				3.245	3.248	.485	S	5109	#
100,00	100,20	8,00	S	*62X100X8★	32	3.672	3.772	.315	S	200851%	200E
3.937	3.945	.315				3.715	3.745	.315	S	*200888%	200E
100,00	100,30	7,00	S	62X100X7★	32	2.500" (2-1/2") SHAFT					
3.937	3.949	.276				—	—	—	S	800650	VRS1
109,72	110,00	13,00	S	*62X110X13★	32	—	—	—	V	800654	VRS1
4.320	4.331	.512				—	—	.500		99248	Redi-Sleeve
2.468" SHAFT						—	—	.555		99253	Redi-Sleeve
—	—	—	S	800600	VRS1	—	—	.781		99250	Redi-Sleeve
3.236	3.241	.250	S	*42686	4S	—	5.371	1.343	S	*9014	#
3.350	3.355	.468	L	50560	5L	3.000	—	.313	U	710027	#
2.470" SHAFT						3.000	—	.313	U	*710033	#
—	—	—	S	800600	VRS1	3.000	—	.375	U	710034	#
3.063	3.187	.510	S	*5957S	273	3.000	3.005	.250	L	40555	4L
2.474" SHAFT						3.000	3.005	.250	S	40555S	4S
—	—	—	S	800600	VRS1	3.125	3.130	.250	S	43290S	4S
3.543	3.548	.285	S	6575S	200	3.125	3.130	.250	S	*313290	31
63,00mm (2.480") SHAFT						3.125	3.130	.547	N	*9946N	#
—	—	—	S	800600	VRS1	3.130	3.135	.315	T	39803➔	FW-H
—	—	—	S	800650	VRS1	3.148	3.154	.250	S	40337S	4S
—	—	—	V	800654	VRS1	3.150	3.155	.315	N	473476➔	47
78,00	78,20	8,00	S	*63X78X8★	32	3.189	3.194	.375	S	472029	47
3.071	3.079	.315				3.189	3.194	.375	S	*482029	48
79,72	80,00	9,00	S	*63X80X9★	32	3.189	3.194	.437	S	*450323	45
3.139	3.150	.354				3.189	3.194	.437	V	*450323V	45
80,00	80,20	8,00	S	*63X80X8★	32	3.226	3.231	.190	S	39428	284
3.150	3.157	.315				3.247	3.252	.500	S	410752	41
82,00	82,20	8,00	S	*63X82X8★	32	3.250	3.255	.375	U	710018	#
3.228	3.236	.315				3.250	3.256	.437	H	*411509H	41
82,22	82,50	10,00	S	*63X82.5X10★	32	3.250	3.256	.437	N	*411509N	41
3.237	3.248	.394				3.250	3.256	.437	V	*411509V	41
84,07	84,23	12,70	F	6785★	35	3.250	3.256	.437	S	*451509	45
3.310	3.316	.500				3.250	3.256	.437	H	*451509H	45
84,72	85,00	12,00	S	*63X85X12★	32	3.250	3.256	.437	S	*471509	47
3.335	3.346	.472				3.250	3.256	.437	V	*471509V	47
85,00	85,27	7,00	S	63X85X7★	32	3.250	3.256	.437	S	*481509	48
3.346	3.357	.276				3.250	3.256	.437	H	*481509H	48
85,00	85,28	10,00	S	63X85X10★	32	3.251	3.256	.250	S	*40519S	4S
3.346	3.357	.394				3.251	3.256	.250	S	*442110	44
87,72	88,00	12,00	S	*63X88X12★	32	3.251	3.256	.312	S	442380	44
3.454	3.465	.472				3.251	3.256	.375	S	*411271	41
88,00	88,20	8,00	S	*63X88X8★	32	3.251	3.256	.375	S	*451271	45
3.465	3.472	.315				3.251	3.256	.375	S	471271	47
89,72	90,00	12,00	S	*63X90X12★	32	3.251	3.256	.375	A	471271A	47
3.532	3.543	.472				3.251	3.256	.375	V	471271V	47
90,00	90,14	10,00	S	63X90X10★	32	3.251	3.256	.375	S	*481271	48
3.543	3.549	.394				3.251	3.256	.500	S	410519	41
90,00	90,27	7,00	S	63X90X7★	32	3.251	3.256	.500	S	450519	45
3.543	3.554	.276				3.251	3.256	.500	H	*450519H	45
90,00	90,10	7,00	S	1935★	47	3.251	3.256	.500	N	*450519N	45
3.543	3.554	.276				3.251	3.256	.500	S	*470519	47
99,72	100,00	10,00	S	*63X100X10★	32	3.251	3.256	.500	S	*470519N	47
3.926	3.937	.394				3.251	3.256	.500	S	*480519	48
99,72	100,00	13,00	S	*63X100X13★	32	3.251	3.256	.500	N	*480519N	48
3.926	3.937	.512				3.251	3.256	.500	V	*480519V	48
						3.303	3.307	.465	S	4250➔➔	74

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ➔➔ Hydrodynamic Lip Design-Bidirectional % External Bore
 & Flanged O.D. ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL[®]

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
63,50mm (2.500") SHAFT						2.500" (2-1/2") SHAFT (cont.)					
84.72	85.00	12.00	S	*63.5X85X12★	32	3.751	3.756	.500	S	*415079	41
3.335	3.346	.472				3.751	3.756	.500	S	*455079	45
2.500" (2-1/2") SHAFT						3.751	3.756	.500	V	*455079V	45
3.350	3.355	.250	S	*40496S	4S	3.751	3.756	.500	S	*475079	47
3.350	3.355	.468	S	*410496	41	3.751	3.756	.500	S	*485079	48
3.350	3.355	.468	S	450496	45	3.876	3.881	.375	S	*446631	44
3.350	3.355	.468	S	*470496	47	3.876	3.881	.468	S	*415082	41
3.350	3.355	.468	S	*480496	48	3.876	3.881	.468	N	415082N	41
3.350	3.355	.468	N	*480496N	48	3.876	3.881	.468	S	*455082	45
3.350	3.355	.718	S	*6860S	#	3.876	3.881	.468	S	*475082	47
3.371	3.376	.375	S	*410605	41	3.876	3.881	.468	S	*485082	48
3.371	3.376	.375	S	*450605	45	4.003	4.008	.468	S	*2108	45
3.371	3.376	.375	H	*450605H	45	4.003	4.008	.468	S	*415655	41
3.371	3.376	.375	S	*470605	47	4.003	4.008	.468	S	*455655	45
3.371	3.376	.375	S	*480605	48	4.003	4.008	.468	S	*475655	47
3.371	3.376	.468	S	*410330	41	4.003	4.008	.468	S	*485655	48
3.371	3.376	.468	N	*410330N	41	4.035	4.040	.634	V	4525V	87
3.371	3.376	.468	S	*450330	45	4.035	4.042	.492	V	100727	#
3.371	3.376	.468	H	*450330H	45	4.250	4.260	.500	S	355732	35
3.371	3.376	.468	S	*470330	47	4.500	6.125	.400	S	*7512S	51
3.371	3.376	.468	N	*470330N	47	4.500	6.125	.400	S	7512SSO	51
3.371	3.376	.468	S	*480330	48	4.938	4.943	.500	N	3136N↔	47
3.371	3.435	.500	L	80330%	8L	2.503" SHAFT					
3.428	3.433	.375	S	*473274	47	-	-	-	S	800650	VRS1
3.428	3.433	.375	N	473274N	47	-	-	-	V	800654	VRS1
3.499	3.505	.500	V	3894V	48	-	-	.500		99248	Redi-Sleeve
3.500	3.504	.450	N	714670↔	47	-	-	.555		99253	Redi-Sleeve
3.500	3.505	.250	S	444042	44	-	-	.781		99250	Redi-Sleeve
3.500	3.505	.375	N	*415345N	41	3.428	3.439	.709	V	4561V↔	#
3.500	3.505	.375	V	*415345V	41	3.428	3.439	.800	V	*714561↔	#
3.500	3.505	.375	S	*415449	41	3.500	3.504	.450	N	*4670N↔	#
3.500	3.505	.375	A	415449A	41	3.629	3.633	.900	N	*4624N&	86
3.500	3.505	.375	N	*415449N	41	3.629	3.633	.900	V	4624V&	86
3.500	3.505	.375	V	*415449V	41	2.512" SHAFT					
3.500	3.505	.375	S	*455449	45	-	-	-	S	800650	VRS1
3.500	3.505	.375	S	*475449	47	-	-	-	V	800654	VRS1
3.500	3.505	.375	S	*485449	48	-	-	.781		*99251	Redi-Sleeve
3.500	3.505	.500	H	*2279↔	47	3.506	3.510	.290	S	8975S	49
3.500	3.505	.500	H	7581H&	48	64,00mm (2.520") SHAFT					
3.500	3.505	.500	S	415147	41	-	-	-	S	800650	VRS1
3.500	3.505	.500	N	415147N	41	-	-	-	V	800654	VRS1
3.500	3.505	.500	S	455147	45	76.00	76.20	7.00	S	710256★	#
3.500	3.505	.500	H	*455147H	45	2.992	3.000	.276			
3.500	3.505	.500	N	*455147N	45	77.00	77.20	8.00	S	710130★	#
3.500	3.505	.500	S	*475147	47	3.031	3.039	.315			
3.500	3.505	.500	N	*475147N	47	79.72	80.00	12.00	S	*64X80X12★	32
3.500	3.505	.500	S	*485147	48	3.139	3.150	.472			
3.500	3.505	.540	S	*3707	47	79.72	80.00	13.00	S	*64X80X13★	32
3.500	3.505	.687	N	*7773N	#	3.139	3.150	.512			
3.500	3.510	.475	T	*712121	#	80.00	80.20	8.00	H	226480★↔	33
3.543	3.548	.500	S	*415001	41	3.150	3.157	.315			
3.543	3.548	.500	N	415001N	41	80.00	80.28	8.00	S	64X80X8★	32
3.543	3.548	.500	S	455001	45	3.150	3.161	.315			
3.543	3.548	.500	S	475001	47	84.72	85.00	10.00	S	*64X85X10★	32
3.543	3.548	.500	N	*475001N	47	3.335	3.346	.394			
3.543	3.548	.500	S	*485001	48	84.72	85.00	12.00	S	*64X85X12★	32
3.548	3.553	.546	N	*2643N	#	3.335	3.346	.472			
3.623	3.628	.375	V	416273V	41	90.00	90.28	13.00	S	*64X90X13★	32
3.623	3.628	.375	S	*416273	41	3.543	3.554	.512			
3.623	3.628	.375	S	*456273	45	119.72	120.00	12.00	S	*64X120X12★	32
3.623	3.628	.375	S	*476273	47	4.713	4.724	.472			
3.623	3.628	.375	S	*486273	48	132.00	132.10	13.00	N	710277★	#
3.623	3.628	.468	S	*415369	41	5.197	5.201	.512			
3.623	3.628	.468	H	*415369H	41						
3.623	3.628	.468	N	*415369N	41						
3.623	3.628	.468	S	455369	45						
3.623	3.628	.468	S	*475369	47						
3.623	3.628	.468	N	*475369N	47						
3.623	3.628	.468	S	*485369	48						
3.750	3.759	.250	S	*345887	34						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↗ Hydrodynamic Lip Design-CW ↖ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.531" (2-17/32") SHAFT						65,00mm (2.559") SHAFT (cont.)					
-	-	-	S	800650	VRS1	89,72	90,00	12,00	S	*65X90X12★	32
-	-	-	V	800654	VRS1	3.532	3.543	.472			
4.540	6.125	.500	S	7154S	#	90,00	90,20	7,00	S	65X90X7★	32
2.556" SHAFT						3.543	3.551	.276			
-	-	-	S	800650	VRS1	90,00	90,20	10,00	V	*65X90X10V★	32
-	-	-	V	800654	VRS1	3.543	3.551	.394			
-	-	.787		99254	Redi-Sleeve	90,00	90,28	10,00	S	65X90X13★	35
3.937	3.942	.375	S	476514	47	3.543	3.551	.512			
65,00mm (2.559") SHAFT						90,00	90,28	10,00	S	226530★	35
-	-	-	S	800650	VRS1	3.543	3.554	.394			
-	-	-	V	800654	VRS1	90,00	90,28	10,00	S	65X90X10★	32
-	-	.787		99254	Redi-Sleeve	3.543	3.554	.394			
74,75	75,00	8,00	S	*65X75X8★	32	94,72	95,00	10,00	S	*65X95X10★	32
2.943	2.953	.315				3.729	3.740	.394			
74,75	75,00	10,00	S	*65X75X10★	32	94,72	95,00	12,00	S	*65X95X12★	32
2.943	2.953	.394				3.729	3.740	.472			
74,75	75,00	12,00	S	*65X75X12★	32	94,72	95,00	13,00	S	*65X95X13★	32
2.943	2.953	.472				3.729	3.740	.512			
77,72	78,00	12,00	S	*65X78X12★	32	95,00	95,20	7,00	S	65X95X7★	32
3.060	3.071	.472				3.740	3.748	.276			
79,72	80,00	10,00	S	*65X80X10★	32	95,00	95,20	8,00	S	*65X95X8★	32
3.139	3.150	.394				3.740	3.748	.315			
79,72	80,00	12,00	S	*65X80X12★	32	99,72	100,00	9,50	S	*65X100X9.5★	32
3.139	3.150	.472				3.926	3.937	.374			
80,00	80,20	8,00	V	*65X80X8V★	32	99,72	100,00	12,00	S	*65X100X12★	32
3.150	3.157	.315				3.926	3.937	.472			
80,00	80,28	8,00	S	65X80X8★	32	99,72	100,00	13,00	S	*65X100X13★	32
3.150	3.161	.315				3.926	3.937	.512			
81,00	81,28	7,00	N	226510★➡	32	100,00	100,20	10,00	V	*65X100X10V★	35
3.189	3.200	.276				3.937	3.945	.394			
81,72	82,00	9,00	S	*65X82X9★	32	100,00	100,28	10,00	S	65X100X10★	35
3.217	3.228	.354				3.937	3.948	.394			
81,72	82,00	12,00	S	*65X82X12★	32	100,00	100,30	7,00	S	65X100X7★	32
3.217	3.228	.472				3.937	3.949	.276			
82,00	82,09	8,00	S	710094★	66	101,72	102,00	13,00	S	*65X102X13★	32
3.228	3.232	.315				4.005	4.016	.512			
82,00	82,20	8,00	S	*65X82X8★	32	104,72	105,00	12,00	S	*65X105X12★	32
3.228	3.236	.315				4.123	4.134	.472			
84,00	84,30	9,00	H	712005★➡	32	105,00	105,20	8,00	S	*65X105X8★	32
3.307	3.319	.354				4.134	4.142	.315			
84,72	85,00	12,00	S	*65X85X12★	32	109,72	110,00	10,00	S	*65X110X10★	32
3.335	3.346	.472				4.320	4.331	.394			
84,72	85,00	13,00	S	*65X85X13★	32	109,72	110,00	12,00	S	*65X110X12★	32
3.335	3.346	.512				4.320	4.331	.472			
85,00	85,10	10,00	S	710373★	47	109,72	110,00	13,00	S	*65X110X13★	32
3.346	3.350	.394				4.320	4.331	.512			
85,00	85,20	8,00	S	65X85X8★	35	110,00	110,20	8,00	S	*65X110X8★	32
3.346	3.354	.315				4.331	4.339	.315			
85,00	85,20	8,00	V	*65X85X8V★	35	114,72	115,00	12,00	S	*65X115X12★	32
3.346	3.354	.315				4.517	4.528	.472			
85,00	85,27	10,00	S	226520★	35	114,72	115,00	13,00	S	*65X115X13★	32
3.346	3.357	.394				4.517	4.528	.512			
85,00	85,27	10,00	S	65X85X10★	32	115,00	115,20	8,00	S	*65X115X8★	32
3.346	3.357	.394				4.528	4.535	.315			
87,72	88,00	12,00	S	*65X88X12★	32	119,72	120,00	13,00	S	*65X120X13★	32
3.454	3.465	.472				4.713	4.724	.512			
87,72	88,00	13,00	S	*65X88X13★	32	120,00	120,20	8,00	S	*65X120X8★	32
3.454	3.465	.512				4.724	4.732	.315			
88,00	88,20	8,00	S	65X88X8★	35	139,70	140,00	14,00	S	*65X140X14★	32
3.465	3.472	.315				5.500	5.512	.551			
88,00	88,20	10,00	S	65X88X10★	32	2.561" SHAFT					
3.465	3.472	.394				.000	3.979	.532	S	710519	#
88,00	88,20	12,00	S	710367★➡	40	2.562" (2-9/16") SHAFT					
3.465	3.472	.472				-	-	-	S	800650	VRS1
89,72	90,00	8,00	S	*65X90X8★	32	-	-	-	V	800654	VRS1
3.532	3.543	.315				-	-	.781		99256	Redi-Sleeve

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.562" (2-9/16") SHAFT (cont.)						2.625" (2-5/8") SHAFT (cont.)					
-	-	.787		99254	Redi-Sleeve	3.350	3.356	.468	S	*480329	48
3.090	3.095	.375	S	5123	280	3.350	3.356	.468	N	*480329N	48
3.371	3.376	.468	S	*470961	47	3.351	3.356	.500	S	*452624	45
3.481	3.486	.375	S	413479	41	3.371	3.376	.250	S	440511	44
3.481	3.486	.500	S	*450904	45	3.371	3.376	.375	S	413248	41
3.500	3.505	.375	S	415302	41	3.371	3.376	.375	S	*453248	45
3.500	3.505	.500	S	*415098	41	3.371	3.376	.375	S	*473248	47
3.500	3.505	.500	N	415098N	41	3.371	3.376	.375	S	*483248	48
3.500	3.505	.500	S	*455098	45	3.371	3.376	.468	S	*410626	41
3.500	3.505	.500	H	*455098H	45	3.371	3.376	.468	N	*410626N	41
3.500	3.505	.500	N	*455098N	45	3.371	3.376	.468	S	450626	45
3.500	3.505	.500	S	*475098	47	3.371	3.376	.468	S	*480626	48
3.543	3.548	.500	S	455311	45	3.374	3.379	.468	S	410708	41
3.623	3.628	.375	S	415988	41	3.375	3.390	.375	T	712101➔	FW-H
3.623	3.628	.468	S	*415002	41	3.481	3.486	.500	S	450412	45
3.623	3.628	.468	H	*415002H	41	3.484	3.489	.250	S	43077S	4S
3.623	3.628	.468	S	*455002	45	3.500	3.505	.375	S	415483	41
3.623	3.628	.468	S	*475002	47	3.500	3.505	.375	S	*455483	45
3.623	3.628	.468	N	*475002N	47	3.500	3.505	.375	S	*475483	47
3.623	3.628	.468	S	*485002	48	3.500	3.505	.375	S	*485483	48
3.623	3.628	.500	S	*456619	45	3.500	3.505	.500	S	*415368	41
3.624	3.629	.703	S	*415972	41	3.500	3.505	.500	N	*415368N	41
3.727	3.777	.490	S	9943%	Redi-Sleeve	3.500	3.505	.500	S	455368	45
3.750	3.756	.375	S	417481	41	3.500	3.505	.500	N	*455368N	45
3.750	3.756	.500	S	*455244	45	3.500	3.505	.500	S	*475368	47
3.751	3.756	.500	S	*415244	41	3.500	3.505	.500	N	475368N	47
3.751	3.756	.500	N	*415244N	41	3.500	3.505	.500	S	*485368	48
3.751	3.756	.500	H	*455244H	45	3.516	3.533	.394	T	712103➔	PDW
3.751	3.756	.500	N	*455244N	45	3.531	3.536	.812	S	*8561	2S
3.876	3.881	.468	S	455280	45	3.543	3.548	.375	S	417079	41
66,00mm (2.598") SHAFT						3.543	3.548	.500	S	*411475	41
-	-	-	S	800650	VRS1	3.543	3.548	.500	N	*411475N	41
-	-	-	V	800654	VRS1	3.543	3.548	.500	S	*451475	45
-	-	.781		99259	Redi-Sleeve	3.543	3.548	.500	S	*471475	47
80,00	80,11	9,00	N	226610★	41	3.543	3.548	.500	S	*481475	48
3.150	3.154	.354				3.623	3.628	.375	S	415458	41
85,00	85,12	10,00	S	710092★	41	3.623	3.628	.375	A	415458A	41
3.346	3.351	.394				3.623	3.628	.375	V	415458V	41
3.481	3.486	.500	S	411330	41	3.623	3.628	.375	S	*455458	45
3.481	3.486	.500	N	411330N	41	3.623	3.628	.375	S	475458	47
3.999	4.004	.730	S	*2177	#	3.623	3.628	.375	V	*475458V	47
3.999	4.004	.780	S	712598	47	3.623	3.628	.375	S	*485458	48
4.000	4.005	.500	S	477069	47	3.623	3.628	.468	V	*3440V	#
2.609" SHAFT						3.623	3.628	.468	S	415003	41
-	-	-	S	800650	VRS1	3.623	3.628	.468	N	*415003N	41
-	-	-	V	800654	VRS1	3.623	3.628	.468	V	*415003V	41
3.350	3.355	.375	S	*450725	45	3.623	3.628	.468	S	455003	45
3.350	3.355	.375	H	*450725H	45	3.623	3.628	.468	N	*455003N	45
3.350	3.355	.375	N	*450725N	45	3.623	3.628	.468	S	*475003	47
2.625" (2-5/8") SHAFT						3.623	3.628	.468	N	475003N	47
-	-	-	S	800650	VRS1	3.623	3.628	.468	S	485003	48
-	-	-	V	800654	VRS1	3.623	3.628	.468	V	*485003V	48
-	-	.500		99260	Redi-Sleeve	3.623	3.629	.500	S	*455911	45
-	-	.781		99262	Redi-Sleeve	3.625	3.630	.600	N	*3350	#
-	-	.781		*99264	Redi-Sleeve	3.660	3.960	.320	S	*200919%	200E
-	5.030	.200	S	*6405	#	3.695	3.700	.500	H	3813	64
3.251	3.256	.437	N	411143N	41	3.696	3.700	.500	T	41163T➔	FW-H
3.251	3.256	.437	S	451143	45	3.749	3.755	.586	S	*8020S	41
3.251	3.256	.437	N	*471143N	47	3.751	3.756	.375	S	417343	41
3.350	3.355	.375	S	412871	41	3.751	3.756	.375	S	*457343	45
3.350	3.355	.453	F	*6081	29	3.751	3.756	.375	S	*477343	47
3.350	3.356	.468	S	450329	45	3.751	3.756	.375	S	*487343	48
3.350	3.356	.468	H	*450329H	45	3.751	3.756	.500	S	*415149	41
						3.751	3.756	.500	V	*415149V	41
						3.751	3.756	.500	S	*455149	45
						3.751	3.756	.500	S	*475149	47
						3.751	3.756	.500	N	*475149N	47
						3.751	3.756	.500	S	*485149	48
						3.751	3.756	.875	S	*75149S	7S
						3.813	3.818	.415	S	200392	200
						3.876	3.881	.437	S	*417483	41
						3.876	3.881	.468	S	415007	41

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW % External Bore * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.625" (2-5/8") SHAFT (cont.)						68,00mm (2.677") SHAFT (cont.)					
3.876	3.881	.468	S	*455007	45	89,72	90,00	8,00	S	*68X90X8★	32
3.876	3.881	.468	S	*475007	47	3.532	3.543	.315			
3.876	3.881	.468	S	*485007	48	89,72	90,00	12,00	S	*68X90X12★	32
4.003	4.008	.375	S	417082	41	3.532	3.543	.472			
4.003	4.008	.375	S	*487082	48	89,72	90,00	13,00	S	*68X90X13★	32
4.003	4.008	.468	S	*415296	41	3.532	3.543	.512			
4.003	4.008	.468	N	*415296N	41	90,00	90,10	12,00	S	710440★	47
4.003	4.008	.468	S	*455296	45	3.543	3.547	.472			
4.003	4.008	.468	S	*475296	47	90,00	90,15	10,00	T	712108★➡	FW-H
4.003	4.008	.468	S	*485296	48	3.543	3.549	.394			
4.064	4.069	.960	N	712625	90	90,00	90,20	7,00	S	68X90X7★	32
4.064	4.069	.990	N	*4037	#	3.543	3.551	.276			
4.249	4.254	.468	S	416278	41	90,00	90,20	10,00	V	*68X90X10V★	32
4.252	4.256	1.156	S	*6982S	#	3.543	3.551	.394			
4.376	4.381	.500	V	*477586V	47	90,00	90,32	10,00	S	68X90X10★	32
4.437	4.441	.437	S	418027	41	3.543	3.556	.394			
4.564	4.568	.718	N	9773&	74	94,72	95,00	13,00	S	*68X95X13★	32
2.634" SHAFT						3.729	3.740	.512			
—	—	—	S	800650	VRS1	95,00	95,20	8,00	S	*68X95X8★	32
—	—	—	V	800654	VRS1	3.740	3.748	.315			
3.937	3.942	.375	S	*487658	48	95,00	95,20	10,00	S	68X95X10★	35
67,00mm (2.638") SHAFT						3.740	3.748	.394			
81,72	82,00	7,00	S	*67X82X7★	32	95,00	95,28	7,00	S	68X95X7★	32
3.217	3.228	.276				3.740	3.751	.276			
2.640" SHAFT						95,00	95,30	13,00	V	226840★	#
—	—	—	S	800650	VRS1	3.740	3.752	.512			
—	—	—	V	800654	VRS1	97,72	98,00	10,00	S	*68X98X10★	32
4.450	4.490	.250	S	*6846S	#	3.847	3.858	.394			
2.648" SHAFT						99,72	100,00	12,00	S	*68X100X12★	32
—	—	—	S	800650	VRS1	3.926	3.937	.472			
—	—	—	V	800654	VRS1	100,00	100,20	10,00	S	68X100X10★	35
3.812	3.817	.500	S	486857	48	3.937	3.945	.394			
2.667" SHAFT						100,00	100,28	7,00	S	68X100X7★	32
—	—	—	S	800650	VRS1	3.937	3.948	.276			
—	—	—	V	800654	VRS1	100,00	100,28	13,00	S	68X100X13★	32
3.751	3.756	.500	L	7780	4L	3.937	3.948	.512			
3.751	3.756	.500	L	7780N	4L	124,00	124,10	12,00	N	710275★◀	40
3.751	3.756	.500	S	*447441	44	4.882	4.886	.472			
68,00mm (2.677") SHAFT						2.687" (2-11/16") SHAFT					
—	—	—	S	800650	VRS1	—	—	—	S	800700	VRS1
—	—	—	V	800654	VRS1	—	—	—	V	800704	VRS1
82,00	82,20	7,00	S	68X82X7★	32	3.062	3.062	.187	S	*6542%	36
3.228	3.236	.276				3.251	3.256	.578	S	*6532S	273
82,00	82,20	7,00	S	710378★	35	3.500	3.505	.500	S	455434	45
3.228	3.236	.276				3.751	3.756	.500	S	455151	45
84,00	84,23	8,50	N	710234★◀	32	3.751	3.756	.500	S	*485151	48
3.307	3.316	.335				3.876	3.876	.250	S	365008%	36
84,72	85,00	10,00	S	*68X85X10★	32	3.876	3.881	.468	S	455008	45
3.335	3.346	.394				2.700" SHAFT					
85,00	85,20	8,00	S	68X85X8★	35	—	—	—	S	800700	VRS1
3.346	3.354	.315				—	—	—	V	800704	VRS1
86,00	86,20	8,00	N	710334★◀	32	3.499	3.504	.462	S	710091&	272
3.386	3.394	.315				69,00mm (2.717") SHAFT					
86,00	86,31	8,00	H	226820★➡	32	—	—	—	S	800700	VRS1
3.386	3.398	.315				—	—	—	V	800704	VRS1
88,00	88,20	8,00	S	*68X88X8★	32	91,72	92,00	12,00	S	*69X92X12★	32
3.465	3.472	.315				3.611	3.622	.472			
88,00	88,20	8,00	S	710446★➡	35	2.735" SHAFT					
3.465	3.472	.315				—	—	—	S	800700	VRS1
89,00	89,20	11,00	V	712511★➡	32	—	—	—	V	800704	VRS1
3.504	3.512	.433				3.415	—	.188	U	710039	#
						2.740" SHAFT					
						3.937	3.942	.565	S	*370155A	06

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW % External Bore & Flanged O.D. ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.748" SHAFT						2.750" (2-3/4") SHAFT (cont.)					
-	-	-	S	800700	VRS1	3.623	3.628	.468	V	*455315V	45
-	-	-	V	800704	VRS1	3.623	3.628	.468	S	*475315	47
-	-	.781		* 99270	Redi-Sleeve	3.623	3.628	.468	S	*485315	48
-	-	.781		99274	Redi-Sleeve	3.623	3.628	.500	S	*456876	45
-	-	1.438		99267	Redi-Sleeve	3.750	3.754	.500	U	710010	#
3.543	3.555	.591	N	4874N	#	3.751	3.756	.250	S	46997S	4S
3.876	3.886	.552	V	4564V	#	3.751	3.756	.375	V	417316V	41
3.881	3.885	.464	S	710174	47	3.751	3.756	.375	S	*417316	41
3.937	3.942	.305	S	*200122	200	3.751	3.756	.375	N	*417316N	41
5.500	5.512	.850	N	4876N	#	3.751	3.756	.375	S	*457316	45
2.750" (2-3/4") SHAFT						3.751	3.756	.375	S	*477316	47
-	-	-	S	800700	VRS1	3.751	3.756	.375	H	*477316H	47
-	-	-	V	800704	VRS1	3.751	3.756	.375	S	*487316	48
-	-	.406		99272	Redi-Sleeve	3.751	3.756	.437	S	*415733	41
-	-	.781		* 99270	Redi-Sleeve	3.751	3.756	.437	S	*475733	47
-	-	.781		99274	Redi-Sleeve	3.751	3.756	.500	S	415004	41
-	-	.781		99275	Redi-Sleeve	3.751	3.756	.500	H	*415004H	41
-	-	1.125		99269	Redi-Sleeve	3.751	3.756	.500	N	*415004N	41
-	-	1.438		99267	Redi-Sleeve	3.751	3.756	.500	V	415004V	41
-	6.200	.700	S	6643S	52	3.751	3.756	.500	S	455004	45
3.125	3.130	.187	S	310841	31	3.751	3.756	.500	H	*455004H	45
3.250	-	.312	U	710038	#	3.751	3.756	.500	N	*455004N	45
3.481	3.486	.500	S	480491	48	3.751	3.756	.500	S	455004	45
3.500	3.505	.250	S	*315364	31	3.751	3.756	.500	H	*455004H	45
3.500	3.505	.250	H	*315364H	31	3.751	3.756	.500	N	*455004N	45
3.500	3.505	.375	V	416664V	41	3.751	3.756	.500	S	*475004	47
3.500	3.505	.375	S	416664	41	3.751	3.756	.500	H	475004H	47
3.500	3.505	.375	S	*456664	45	3.751	3.756	.500	N	*475004N	47
3.500	3.505	.375	S	*476664	47	3.751	3.756	.500	S	*485004	48
3.500	3.505	.375	S	*486664	48	3.773	3.781	.435	S	2222&	286
3.500	3.505	.500	S	*415364	41	3.779	3.784	.762	S	710395	06
3.500	3.505	.500	H	*415364H	41	3.779	3.792	.767	S	370352A	08
3.500	3.505	.500	S	455364	45	3.846	3.928	.290	S	200942%	200E
3.500	3.505	.500	N	*455364N	45	3.876	3.881	.375	S	415960	41
3.500	3.505	.500	S	*475364	47	3.876	3.881	.375	S	*455960	45
3.500	3.505	.500	S	*485364	48	3.876	3.881	.375	S	*475960	47
3.500	3.505	.500	H	*485364H	48	3.876	3.881	.375	S	*485960	48
3.500	3.505	.500	N	485364N	48	3.876	3.881	.468	S	415009	41
3.500	3.505	.567	N	*256936N	25	3.876	3.881	.468	N	415009N	41
3.501	3.505	.250	S	45827S	4S	3.876	3.881	.468	S	455009	45
3.538	3.543	.437	S	457291	45	3.876	3.881	.468	N	*455009N	45
3.538	3.543	.500	S	*455872	45	3.876	3.881	.468	S	*475009	47
3.538	3.543	.500	V	*455872V	45	3.876	3.881	.468	N	475009N	47
3.543	3.548	.375	S	417484	41	3.876	3.881	.468	S	*485009	48
3.543	3.548	.375	N	417484N	41	3.876	3.881	.500	S	*455719	45
3.543	3.548	.500	V	4492	#	3.935	3.940	.500	S	55469	5L
3.543	3.548	.500	S	415322	41	3.937	3.942	.500	N	476574N	47
3.543	3.548	.500	N	*415322N	41	4.003	4.008	.375	S	416706	41
3.543	3.548	.500	V	415322V	41	4.003	4.008	.375	H	*416706H	41
3.543	3.548	.500	S	455322	45	4.003	4.008	.375	N	*476706N	47
3.543	3.548	.500	N	455322N	45	4.003	4.008	.468	S	*415272	41
3.543	3.548	.500	V	455322V	45	4.003	4.008	.468	N	415272N	41
3.543	3.548	.500	S	*475322	47	4.003	4.008	.468	S	455272	45
3.543	3.548	.500	N	475322N	47	4.003	4.008	.468	S	*475272	47
3.543	3.548	.500	S	*485322	48	4.003	4.008	.468	N	*475272N	47
3.543	3.549	.500	V	*100266V	#	4.003	4.008	.468	S	*485272	48
3.623	3.628	.375	S	415984	41	4.125	4.130	.437	N	*487678N	48
3.623	3.628	.375	S	*455984	45	4.125	4.130	.562	N	*456281N	45
3.623	3.628	.375	S	*475984	47	4.125	4.130	.562	S	476281	47
3.623	3.628	.375	N	*475984N	47	4.125	4.130	.562	N	*476281N	47
3.623	3.628	.375	S	*485984	48	4.125	4.130	.562	N	*486281N	48
3.623	3.628	.468	S	*415315	41	4.125	4.130	.562	V	*486281V	48
3.623	3.628	.468	N	*415315N	41	4.249	4.254	.468	S	416282	41
3.623	3.628	.468	S	*455315	45	4.249	4.254	.468	S	*456282	45
3.623	3.628	.468	N	*455315N	45	4.249	4.254	.468	S	*476282	47
						4.249	4.254	.500	S	*416283	41
						4.249	4.254	.500	S	*476283	47
						4.249	4.254	.500	N	476283N	47
						4.249	4.254	.625	S	*415101	41
						4.331	4.336	.500	S	*416961	41
						4.331	4.336	.500	N	*416961N	41
						4.375	4.380	.625	N	*487384N	48
						4.500	4.505	.468	S	454088	45
						4.626	4.631	.625	N	*475139N	47

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Hydrodynamic Lip Design-CW * Hydrodynamic Lip Design-CCW % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
2.750" (2-3/4") SHAFT (cont.)						70,00mm (2.756") SHAFT (cont.)					
4.999	5.004	.468	L	55238	5L	95,00	95,28	13,00	S	70X95X13★	35
5.500	5.506	.500	N	417986N	41	3.740	3.751	.512			
5.501	5.506	1.266	N	3591	90	99,72	100,00	12,00	S	*70X100X12★	32
2.752" SHAFT						3.926	3.937	.472			
3.937	3.942	.565	S	*370127A	#	99,72	100,00	14,00	S	*70X100X14★	32
70,00mm (2.756") SHAFT						3.926	3.937	.551			
-	-	-	S	800700	VRS1	100,00	100,20	10,00	S	70X100X10★	32
-	-	-	V	800704	VRS1	3.937	3.945	.394			
-	-	.406		99272	Redi-Sleeve	100,00	100,20	10,00	V	*70X100X10V★	35
-	-	.781		99275	Redi-Sleeve	3.937	3.948	.512			
-	-	.787		99276	Redi-Sleeve	101,60	101,83	11,91	T	40392★	FW-H
-	-	1.125		99269	Redi-Sleeve	4.000	4.009	.469			
79,72	80,00	10,00	S	*70X80X10★	32	101,72	102,00	13,00	S	*70X102X13★	32
3.139	3.150	.394				4.005	4.016	.512			
82,72	83,00	10,00	S	*70X83X10★	32	104,72	105,00	12,00	S	*70X105X12★	32
3.257	3.268	.394				4.123	4.134	.472			
84,72	85,00	9,00	S	*70X85X9★	32	105,00	105,20	10,00	S	*70X105X10★	32
3.335	3.346	.354				4.134	4.142	.394			
84,72	85,00	10,00	S	*70X85X10★	32	105,00	105,20	13,00	S	70X105X13★	35
3.335	3.346	.394				4.134	4.142	.512			
85,00	85,28	8,00	S	70X85X8★	35	105,00	105,30	7,00	S	70X105X7★	32
3.346	3.357	.315				4.134	4.146	.276			
86,72	87,00	10,00	S	*70X87X10★	32	109,72	110,00	12,00	S	*70X110X12★	32
3.414	3.425	.394				4.320	4.331	.472			
87,00	87,40	8,50	V	1021★	32	109,72	110,00	13,00	S	*70X110X13★	32
3.425	3.441	.335				4.320	4.331	.512			
87,00	87,40	8,50	V	1021V★	32	110,00	110,20	10,00	S	70X110X10★	35
3.425	3.441	.335				4.331	4.339	.394			
87,72	88,00	10,00	S	*70X88X10★	32	111,72	112,00	13,00	S	*70X112X13★	32
3.454	3.465	.394				4.398	4.409	.512			
88,00	88,20	9,00	V	*70X88X9V★	35	112,00	112,10	14,00	S	710339★	25
3.465	3.472	.354				4.409	4.413	.551			
88,00	88,25	8,00	S	70X88X8★	48	114,72	115,00	13,00	S	*70X115X13★	32
3.465	3.474	.315				4.517	4.528	.591			
88,00	88,25	12,00	S	70X88X12★	32	119,72	120,00	13,00	S	*70X120X13★	32
3.465	3.474	.472				4.713	4.724	.512			
88,00	88,25	12,00	H	227020★	32	71,00mm (2.795") SHAFT					
3.465	3.474	.472				87,72	88,00	8,00	S	*71X88X8★	32
89,72	90,00	8,00	S	*70X90X8★	32	3.454	3.465	.315			
3.532	3.543	.315				2.812" (2-13/16") SHAFT					
89,72	90,00	12,00	S	*70X90X12★	32	-	-	-	S	800700	VRS1
3.532	3.543	.472				-	-	-	V	800704	VRS1
89,72	90,00	13,00	S	*70X90X13★	32	-	-	.594		99281	Redi-Sleeve
3.532	3.543	.512				3.500	3.510	.430	S	*325978	32
90,00	90,20	7,00	S	70X90X7★	32	3.751	3.756	.500	S	455005	45
3.543	3.551	.276				3.751	3.756	.500	N	*455005N	45
90,00	90,20	10,00	V	*70X90X10V★	32	3.876	3.881	.437	S	417485	41
3.543	3.551	.394				4.003	4.008	.468	S	*455384	45
90,00	90,32	10,00	S	70X90X10★	32	4.003	4.008	.468	S	475384	47
3.543	3.556	.394				4.176	4.181	.551	S	*4176	#
90,00	90,32	10,00	H	227040★	35	4.249	4.254	.468	S	411348	41
3.543	3.556	.394				2.832" SHAFT					
90,00	90,40	10,00	S	*1162★	35	-	-	-	S	800700	VRS1
3.543	3.559	.394				-	-	-	V	800704	VRS1
92,00	92,15	11,90	H	*477936H★	47	3.625	3.635	.374	V	710075★	32
3.622	3.628	.469				72,00mm (2.835") SHAFT					
92,00	92,20	12,00	S	70X92X12★	32	-	-	-	S	800700	VRS1
3.622	3.630	.472				-	-	-	V	800704	VRS1
92,00	92,23	12,00	H	227045★	32	0,00	94,20	10,40	S	710456★	#
3.622	3.631	.472				.000	3.709	.409			
94,72	95,00	12,00	S	*70X95X12★	32						
3.729	3.740	.472									
95,00	95,20	10,00	V	*70X95X10V★	35						
3.740	3.748	.394									
95,00	95,28	10,00	S	70X95X10★	32						
3.740	3.751	.394									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
72,00mm (2.835") SHAFT (cont.)						2.875" (2-7/8") SHAFT (cont.)					
85.72	86.00	7.50	S	*72X86X7.5★	32	3.623	3.628	.500	H	3783	65
3.375	3.386	.295				3.623	3.628	.500	T	39802➡	FW-H
88.00	88.25	8.00	S	1986★	48	3.740	3.746	.551	V	*488020V	48
3.465	3.474	.315				3.750	3.755	.500	T	41536➡	PDW
89.72	90.00	8.00	S	*72X90X8★	32	3.750	3.755	.500	T	41537➡	PDW
3.532	3.543	.315				3.751	3.756	.375	S	417344	41
90.00	90.20	10.00	S	72X90X10★	35	3.751	3.756	.375	S	*457344	45
3.543	3.551	.394				3.751	3.756	.375	S	*477344	47
91.72	92.00	12.00	S	*72X92X12★	32	3.751	3.756	.375	V	*477344V	47
3.611	3.622	.472				3.751	3.756	.375	S	*487344	48
93.72	94.00	12.00	S	*72X94X12★	32	3.751	3.756	.375	V	487344V	48
3.690	3.701	.472				3.751	3.756	.500	S	*9711	41
94.72	95.00	12.00	S	*72X95X12★	32	3.751	3.756	.500	S	*415006	41
3.729	3.740	.472				3.751	3.756	.500	N	*415006N	41
94.72	95.00	13.00	S	*72X95X13★	32	3.751	3.756	.500	V	*415006V	41
3.729	3.740	.512				3.751	3.756	.500	S	455006	45
95.00	95.28	10.00	S	72X95X10★	32	3.751	3.756	.500	N	455006N	45
3.740	3.751	.394				3.751	3.756	.500	S	*475006	47
96.00	96.28	9.00	H	227235★➡	32	3.751	3.756	.500	N	*475006N	47
3.780	3.791	.354				3.751	3.756	.500	S	*485006	48
100.00	100.20	10.00	S	72X100X10★	35	3.875	3.880	.515	S	9864S&	57
3.937	3.945	.394				3.875	3.889	.500	S	370150A	07
100.00	100.31	12.00	S	72X100X12★➡➡	32	3.876	3.881	.375	S	417158	41
3.937	3.949	.472				3.876	3.881	.375	S	*457158	45
104.72	105.00	13.00	S	*72X105X13★	32	3.876	3.881	.375	S	*477158	47
4.123	4.134	.512				3.876	3.881	.375	V	*477158V	47
105.00	105.20	10.00	S	*72X105X10★	32	3.876	3.881	.375	S	*487158	48
4.134	4.142	.394				3.876	3.881	.468	V	*2278	#
110.00	110.20	10.00	S	*72X110X10★	32	3.876	3.881	.468	S	*3339	44
4.331	4.339	.394				3.876	3.881	.468	S	*415355	41
2.843" (2-27/32") SHAFT						3.876	3.881	.468	N	*415355N	41
-	-	-	S	800700	VRS1	3.876	3.881	.468	S	455355	45
-	-	-	V	800704	VRS1	3.876	3.881	.468	S	*475355	47
-	-	.500		99282	Redi-Sleeve	4.003	4.008	.250	S	*4012	#
3.939	3.944	.495	S	2081➡➡	41	4.003	4.008	.250	S	43086S	4S
3.939	3.944	.500	S	*55511S	5S	4.003	4.008	.375	S	416921	41
3.939	3.944	.500	S	*455511	45	4.003	4.008	.375	S	*456921	45
4.003	4.008	.500	V	456837V	45	4.003	4.008	.375	S	*476921	47
4.501	4.506	.375	S	*456111	45	4.003	4.008	.375	S	*486921	48
2.860" SHAFT						4.003	4.008	.468	V	*3441V	#
-	-	-	S	800700	VRS1	4.003	4.008	.468	S	*415011	41
-	-	-	V	800704	VRS1	4.003	4.008	.468	H	*415011H	41
-	6.460	.520	S	*6479	#	4.003	4.008	.468	N	*415011N	41
73,00mm (2.874") SHAFT						4.003	4.008	.468	S	455011	45
-	-	-	S	800700	VRS1	4.003	4.008	.468	N	*455011N	45
-	-	-	V	800704	VRS1	4.003	4.008	.468	V	*455011V	45
-	-	.781		99287	Redi-Sleeve	4.003	4.008	.468	S	*475011	47
86.00	86.28	5.00	S	239129★	#	4.003	4.008	.468	S	*485011	48
3.386	3.397	.197				4.003	4.008	.468	N	*485011N	48
2.875" (2-7/8") SHAFT						4.003	4.008	.500	S	*456886	45
-	-	-	S	800700	VRS1	4.125	4.130	.375	S	417134	41
-	-	-	V	800704	VRS1	4.125	4.130	.375	S	*457134	45
-	-	.781		99287	Redi-Sleeve	4.125	4.130	.562	S	*415152	41
3.540	3.548	.315	S	474230	47	4.125	4.130	.562	S	*455152	45
3.623	3.628	.375	S	415303	41	4.125	4.130	.562	S	*475152	47
3.623	3.628	.375	S	*455303	45	4.125	4.130	.562	S	*485152	48
3.623	3.628	.375	S	*475303	47	4.125	4.130	.812	S	6780S	21
3.623	3.628	.375	S	*485303	48	4.125	4.130	.842	S	370010A	01
3.623	3.628	.375	N	*485303N	48	4.175	4.180	.812	S	2674	89
3.623	3.628	.468	S	*416275	41	4.175	4.181	.822	S	370054A	03
3.623	3.628	.468	N	*416275N	41	4.249	4.254	.500	S	416285	41
3.623	3.628	.468	S	*455250	45	4.249	4.254	.625	S	*416286	41
3.623	3.628	.468	N	*455250N	45	4.249	4.254	.625	S	*456286	45
						4.249	4.254	.625	S	*476286	47
						4.249	4.254	.625	S	*486286	48
						4.331	4.336	.500	H	*416426H	41
						4.331	4.336	.500	N	*416426N	41
						4.335	4.340	.437	F	*295113	29
						4.335	4.340	.437	S	455310	45
						4.335	4.340	.437	V	*455310V	45
						4.376	4.381	.625	S	455556	45

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡ Hydrodynamic Lip Design-CCW

➡➡ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
2.875" (2-7/8") SHAFT (cont.)						2.937" (2-15/16") SHAFT (cont.)					
4.499	4.504	.468	S	*415144	41	4.003	4.008	.468	N	475012N	47
4.499	4.504	.468	S	*455144	45	4.003	4.008	.625	N	*35012N	43
4.499	4.504	.468	S	*475144	47	4.003	4.008	.625	S	*417730	41
4.499	4.504	.468	S	*485144	48	4.003	4.008	.697	V	*3623	#
4.500	4.505	.406	F	*296121	29	4.125	4.130	.375	S	*417486	41
2.882" SHAFT						4.125	4.130	.562	S	*455153	45
—	—	—	S	800750	VRS1	4.249	4.254	.625	N	*475348N	47
—	—	—	S	800751	VRS2	4.250	4.254	.468	S	416775	41
—	—	—	V	800754	VRS1	4.499	4.504	.468	S	*415356	41
—	—	—	V	800755	VRS2	4.499	4.504	.468	N	*415356N	41
3.431	3.436	.291	S	4122	47	4.499	4.504	.468	V	*415356V	41
3.431	3.436	.291	S	470547	47	4.499	4.504	.468	S	*455356	45
74,00mm (2.913") SHAFT						4.939	4.944	1.250	N	*4035N	90
—	—	—	S	800750	VRS1	4.939	4.944	1.250	N	712937	90
—	—	—	S	800751	VRS2	2.938" SHAFT					
—	—	—	V	800754	VRS1	—	—	—	S	800750	VRS1
—	—	—	V	800755	VRS2	—	—	—	S	800751	VRS2
89.72	90.00	10.00	S	*74X90X10★	32	—	—	—	V	800754	VRS1
3.532	3.543	.394				—	—	—	V	800755	VRS2
90.00	90.15	10.00	H	227409★◀	32	—	—	.500		99290	Redi-Sleeve
3.543	3.549	.394				—	—	.781		99293	Redi-Sleeve
93.72	94.00	10.00	S	*74X94X10★	32	3.750	3.765	.530	S	*370223A	#
3.690	3.701	.394				3.937	3.947	.552	V	4563V▶	#
94.72	95.00	7.00	S	*74X95X7★	32	4.003	4.008	.619	N	*4143N	#
3.729	3.740	.276				2.948" SHAFT					
98.00	98.20	12.00	H	227410★▶	32	4.725	4.738	.526	S	370211A	07
3.858	3.866	.472				2.950" SHAFT					
99.72	100.00	13.00	S	*74X100X13★	32	—	—	—	S	800750	VRS1
3.926	3.937	.512				—	—	—	S	800751	VRS2
2.930" SHAFT						—	—	—	V	800754	VRS1
—	—	—	S	800750	VRS1	—	—	—	V	800755	VRS2
—	—	—	S	800751	VRS2	—	—	.594	*99289	Redi-Sleeve	
—	—	—	V	800754	VRS1	—	—	.866	99294	Redi-Sleeve	
—	—	—	V	800755	VRS2	3.741	3.752	.394	S	354967	35
4.375	4.380	1.120	S	*396487	#	4.527	4.533	.375	S	*476515	47
2.937" (2-15/16") SHAFT						75,00mm (2.953") SHAFT					
—	—	—	S	800750	VRS1	—	—	—	S	800750	VRS1
—	—	—	S	800751	VRS2	—	—	—	S	800751	VRS2
—	—	—	V	800754	VRS1	—	—	—	V	800754	VRS1
—	—	—	V	800755	VRS2	—	—	—	V	800755	VRS2
—	—	.500		99290	Redi-Sleeve	—	—	.594	*99289	Redi-Sleeve	
—	—	.781		99293	Redi-Sleeve	—	—	.866	99294	Redi-Sleeve	
3.751	3.756	.375	S	*416956	41	83.00	87.00	4.00	S	710240★%	#
3.751	3.756	.500	S	*455383	45	3.268	3.425	.157			
3.876	3.881	.375	V	417159V	41	89.72	90.00	12.00	S	*75X90X12★	32
3.876	3.881	.375	S	*417159	41	3.532	3.543	.472			
3.876	3.881	.468	S	*415347	41	90.00	90.20	8.00	S	75X90X8★	32
3.876	3.881	.468	N	*415347N	41	3.543	3.551	.315			
3.876	3.881	.468	S	*455347	45	90.00	90.25	10.00	S	75X90X10★	32
3.937	3.942	.500	N	35949N	41	3.543	3.553	.394			
3.937	3.942	.500	S	*416500	41	91.72	92.00	12.00	S	*75X92X12★	32
3.937	3.942	.500	N	*416500N	41	3.611	3.622	.472			
3.937	3.942	.500	S	*456500	45	93.00	93.12	8.00	T	39804★▶	FW-H
3.937	3.942	.500	S	*476500	47	3.661	3.666	.315			
3.937	3.942	.500	N	476500N	47	94.72	95.00	8.00	S	*75X95X8★	32
4.003	4.008	.375	S	*416654	41	3.729	3.740	.315			
4.003	4.008	.375	N	*476654N	47	94.72	95.00	12.00	S	*75X95X12★	32
4.003	4.008	.468	S	*415012	41	3.729	3.740	.472			
4.003	4.008	.468	N	*415012N	41	94.72	95.00	13.00	S	*75X95X13★	32
4.003	4.008	.468	V	415012V	41	3.729	3.740	.512			
4.003	4.008	.468	S	455012	45						
4.003	4.008	.468	N	*455012N	45						
4.003	4.008	.468	V	*455012V	45						
4.003	4.008	.468	S	*475012	47						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
75,00mm (2.953") SHAFT (cont.)						2.991" SHAFT (cont.)					
95,00	95,20	10,00	V	*75X95X10V★	32	-	-	.563		99298	Redi-Sleeve
3.740	3.748	.394				-	-	.813		99299	Redi-Sleeve
95,00	95,28	10,00	S	227530★	35	3.622	3.637	.380	V	*327995V	32
3.740	3.751	.394				3.622	3.637	.385	T	*100202T	FW-H
95,00	95,28	10,00	S	75X95X10★	32	76,00mm (2.992") SHAFT					
3.740	3.751	.394				-	-	-	S	800750	VRS1
95,00	95,27	10,00	V	716445★	35	-	-	-	S	800751	VRS2
3.740	3.751	.394				-	-	-	V	800754	VRS1
99,72	100,00	13,00	S	*75X100X13★	32	-	-	-	V	800755	VRS2
3.926	3.937	.512				-	-	.484		99291	Redi-Sleeve
100,00	100,10	13,00	S	710384★	25	-	-	.563		99298	Redi-Sleeve
3.937	3.941	.512				-	-	.813		99299	Redi-Sleeve
100,00	100,20	10,00	S	75X100X10★	32	91,72	92,00	10,00	S	*76X92X10★	32
3.937	3.945	.394				3.611	3.622	.394			
100,00	100,20	10,00	V	*75X100X10V★	32	92,00	92,28	9,50	V	4307V★	32
3.937	3.945	.394				3.622	3.633	.374			
100,00	100,20	12,00	S	227540★	32	92,00	92,28	9,60	V	327995★	32
3.937	3.945	.472				3.622	3.633	.378			
100,00	100,27	12,00	S	75X100X12★	32	93,00	93,30	10,00	H	1019★	32
3.937	3.948	.472				3.661	3.673	.394			
100,00	100,27	13,00	H	227550★	32	93,72	94,00	12,00	S	*76X94X12★	32
3.937	3.948	.472				3.690	3.701	.472			
101,72	102,00	13,00	S	*75X102X13★	32	98,00	98,20	12,00	H	227610★	32
4.005	4.016	.512				3.858	3.866	.472			
104,72	105,00	15,00	S	*75X105X15★	32	102,00	102,20	9,50	S	710375★	#
4.123	4.134	.591				4.016	4.024	.374			
105,00	105,27	13,00	S	75X105X13★	32	104,72	105,00	12,00	S	*76X105X12★	32
4.134	4.144	.512				4.123	4.134	.472			
105,72	106,00	10,00	S	*75X106X10★	32	104,72	105,00	13,00	S	*76X105X13★	32
4.162	4.173	.394				4.123	4.134	.512			
109,72	110,00	13,00	S	*75X110X13★	32	3.000" SHAFT					
4.320	4.331	.512				-	-	-	S	800750	VRS1
110,00	110,20	10,00	S	*75X110X10★	32	-	-	-	S	800751	VRS2
4.331	4.339	.394				-	-	-	V	800754	VRS1
110,00	110,20	12,00	S	75X110X12★	32	-	-	-	V	800755	VRS2
4.331	4.339	.472				-	-	.625		99303	Redi-Sleeve
112,00	112,10	10,00	S	710376★	#	-	-	.813		99296	Redi-Sleeve
4.409	4.413	.394				-	-	.813		99300	Redi-Sleeve
112,00	112,17	10,00	S	710087★	45	3.500	-	.313	U	710028	#
4.409	4.416	.394				3.686	3.702	.523	N	7338N&	56
114,72	115,00	9,50	S	*75X115X9.5★	32	3.751	3.756	.375	N	476023N	47
4.517	4.528	.374				3.751	3.756	.375	V	*476023V	47
114,72	115,00	13,00	S	*75X115X13★	32	3.751	3.756	.375	S	*486023	48
4.517	4.528	.512				3.751	3.756	.375	N	*486023N	48
115,00	115,20	10,00	S	*75X115X10★	32	3.751	3.756	.437	V	417349V	41
4.528	4.535	.394				3.751	3.756	.437	S	417349	41
115,00	115,30	12,00	S	75X115X12★	35	3.751	3.756	.437	S	*457349	45
4.528	4.539	.472				3.751	3.756	.437	S	*477349	47
119,72	120,00	12,00	S	*75X120X12★	32	3.751	3.756	.437	S	*487349	48
4.713	4.724	.472				3.751	3.756	.500	S	*415281	41
120,00	120,12	8,13	S	200322★	200	3.751	3.756	.500	N	415281N	41
4.724	4.729	.320				3.751	3.756	.500	V	*415281V	41
120,00	120,20	10,00	S	75X120X10★	32	3.751	3.756	.500	S	*455281	45
4.724	4.732	.394				3.751	3.756	.500	H	*455281H	45
133,70	134,00	10,00	S	*75X134X10★	32	3.751	3.756	.500	N	*455281N	45
5.264	5.276	.394				3.751	3.756	.500	S	*475281	47
2.988" SHAFT						3.751	3.756	.500	N	*475281N	47
-	-	-	S	800750	VRS1	3.752	3.760	.375	S	*6442S	35
-	-	-	S	800751	VRS2	3.876	3.881	.437	S	417350	41
-	-	-	V	800754	VRS1	3.876	3.881	.437	S	*457350	45
-	-	-	V	800755	VRS2	3.876	3.881	.437	S	*477350	47
3.740	3.748	.374	H	3698	32	3.876	3.881	.437	S	*487350	48
2.991" SHAFT						3.876	3.881	.468	S	*415479	41
-	-	-	S	800750	VRS1	Redi-Sleeve					
-	-	-	S	800751	VRS2						
-	-	-	V	800754	VRS1						
-	-	-	V	800755	VRS2						
-	-	.484		99291	Redi-Sleeve						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ★ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
3.000" SHAFT (cont.)						3.000" SHAFT (cont.)					
3.876	3.881	.468	N	*415479N	41	4.331	4.336	.500	S	415962	41
3.876	3.881	.468	S	455479	45	4.376	4.381	.500	S	417488	41
3.876	3.881	.468	V	455479V	45	4.376	4.381	.625	S	*415158	41
3.876	3.881	.468	S	*475479	47	4.376	4.381	.625	N	*415158N	41
3.876	3.881	.468	H	*475479H	47	4.376	4.381	.625	S	*455158	45
3.876	3.881	.468	N	*475479N	47	4.376	4.381	.760	V	*2515V	#
3.876	3.881	.468	S	*485479	48	4.490	4.508	.562	S	*325088	32
3.876	3.881	.500	N	*415526N	41	4.499	4.504	.468	S	415088	41
3.876	3.881	.500	N	*455526N	45	4.499	4.504	.468	N	*415088N	41
3.876	3.885	.500	S	355526	35	4.499	4.504	.468	S	455088	45
3.936	3.941	.500	S	455509	45	4.499	4.504	.468	N	*455088N	45
3.999	4.004	.437	S	453182	45	4.499	4.504	.468	V	455088V	45
4.000	4.008	.500	U	710011	#	4.499	4.504	.468	S	*475088	47
4.000	4.012	.600	U	710009	#	4.499	4.504	.468	N	*475088N	47
4.002	4.625	.884	S	*8427	#	4.499	4.504	.468	S	*485088	48
4.003	4.008	.250	S	45013S	4S	4.500	4.506	.500	S	*487162	48
4.003	4.008	.312	V	710457	86	4.501	4.506	.468	S	*457163	45
4.003	4.008	.375	S	*7021S	48	4.501	4.506	.468	N	477163N	47
4.003	4.008	.375	S	415995	41	4.524	4.600	.433	S	200133%	200E
4.003	4.008	.375	A	415995A	41	4.626	4.631	.500	L	55548	5L
4.003	4.008	.375	N	*415995N	41	4.750	4.756	.500	S	*457165	45
4.003	4.008	.375	V	415995V	41	4.751	4.756	.625	S	416370	41
4.003	4.008	.375	N	455995N	45	4.751	4.756	.625	S	*456370	45
4.003	4.008	.375	S	*475995	47	4.751	4.756	.625	S	*476370	47
4.003	4.008	.375	V	*475995V	47	4.751	4.756	.625	S	*486370	48
4.003	4.008	.437	V	415836V	41	4.875	4.881	.625	S	455820	45
4.003	4.008	.437	S	415836	41	4.938	4.943	.740	N	3905&	76
4.003	4.008	.437	N	415836N	41	4.999	5.004	.468	S	*415019	41
4.003	4.008	.437	S	*455836	45	4.999	5.004	.468	S	455019	45
4.003	4.008	.437	S	*475836	47	4.999	5.004	.468	S	*475019	47
4.003	4.008	.437	V	*475836V	47	4.999	5.004	.468	S	*485019	48
4.003	4.008	.437	S	*485836	48	5.000	5.006	.859	S	*76894S	7S
4.003	4.008	.468	S	*3204	#	5.500	5.506	.531	N	3143N&	74
4.003	4.008	.468	S	415013	41	5.501	5.506	1.266	N	3592	90
4.003	4.008	.468	N	415013N	41	5.501	5.507	.312	S	*7843	#
4.003	4.008	.468	V	*415013V	41	5.750	5.764	.413	N	712000	#
4.003	4.008	.468	S	455013	45	5.751	5.756	.840	N	710008&	74
4.003	4.008	.468	H	*455013H	45	3.003" SHAFT					
4.003	4.008	.468	N	*455013N	45	-	-	-	S	800750	VRS1
4.003	4.008	.468	V	*455013V	45	-	-	-	S	800751	VRS2
4.003	4.008	.468	S	*475013	47	-	-	-	V	800754	VRS1
4.003	4.008	.468	N	*475013N	47	-	-	-	V	800755	VRS2
4.003	4.008	.468	S	*485013	48	-	-	.625		99303	Redi-Sleeve
4.003	4.008	.640	N	*7774N	#	-	-	.813		99296	Redi-Sleeve
4.125	4.130	.312	S	*7844	#	-	-	.813		99300	Redi-Sleeve
4.125	4.130	.437	S	417351	41	3.751	3.761	.420	V	100495	08
4.125	4.130	.437	S	*457351	45	3.751	3.761	.570	V	4810V➡	#
4.125	4.130	.437	S	*477351	47	3.751	3.761	.570	V	714810◀	#
4.125	4.130	.437	S	*487351	48	3.951	3.961	.289	N	*100373	#
4.125	4.130	.438	S	*487119	48	4.028	4.038	.302	N	*100406	#
4.125	4.130	.562	S	*415154	41	4.937	4.948	.662	V	4562V➡	#
4.125	4.130	.562	S	455154	45	4.937	4.948	.788	V	100263➡	08
4.125	4.130	.562	S	*475154	47	77,00mm (3.031") SHAFT					
4.125	4.130	.562	S	*485154	48	-	-	-	S	800750	VRS1
4.249	4.254	.437	S	417487	41	-	-	-	S	800751	VRS2
4.249	4.254	.468	S	*415086	41	-	-	-	V	800754	VRS1
4.249	4.254	.468	N	415086N	41	-	-	-	V	800755	VRS2
4.249	4.254	.468	V	*415086V	41	99.72	100.00	10.00	S	*77X100X10★	32
4.249	4.254	.468	S	455086	45	3.926	3.937	.394			
4.249	4.254	.468	H	*455086H	45	100.10	100.30	11.00	N	*712138★	35
4.249	4.254	.468	N	*455086N	45	3.941	3.949	.433			
4.249	4.254	.468	N	*475086N	47	3.040" SHAFT					
4.249	4.254	.500	S	*416026	41	-	-	-	S	800750	VRS1
4.249	4.254	.500	S	*456026	45	-	-	-	S	800751	VRS2
4.249	4.254	.500	V	*456026V	45	-	-	-	V	800754	VRS1
4.249	4.254	.625	L	*55014	5L						
4.249	4.254	.625	S	*55014S	5S						
4.249	4.254	.625	S	*415014	41						
4.249	4.254	.625	N	*415014N	41						
4.249	4.254	.625	S	455014	45						
4.249	4.254	.625	S	*475014	47						
4.249	4.254	.625	S	*485014	48						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW % External Bore
& Flanged O.D. ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
3.040" SHAFT (cont.)						3.125" (3-1/8") SHAFT (cont.)					
—	—	—	V	800755	VRS2	4.003	4.008	.468	N	*415354N	41
3.937	3.946	.250	S	355669	35	4.003	4.008	.468	S	*455354	45
6.412	6.418	.658	S	710090	#	4.003	4.008	.468	N	*455354N	45
3.062" (3-1/16") SHAFT						4.003	4.008	.468	S	*475354	47
—	—	—	S	800750	VRS1	4.003	4.008	.468	H	*475354H	47
—	—	—	S	800751	VRS2	4.003	4.008	.468	S	*485354	48
—	—	—	V	800754	VRS1	4.003	4.008	.500	V	*4470V	#
—	—	—	V	800755	VRS2	4.003	4.008	.500	V	457034	45
4.003	4.008	.468	S	*486893	48	4.003	4.008	.500	V	*487034V	48
4.125	4.130	.562	S	*455155	45	4.003	4.008	.500	V	714470	48
4.230	4.350	.390	S	*200766%	200E	4.003	4.008	.790	S	*77938	7S
4.249	4.254	.625	S	455015	45	4.049	4.054	.437	S	*6754S	45
4.331	4.336	.500	S	*456733	45	4.125 4.130 .375 S 417621				41	
4.999	5.004	.468	S	455020	45	4.125	4.130	.437	T	39809	W-H
78,00mm (3.071") SHAFT						4.125	4.130	.500	H	*4156H	#
—	—	—	S	800800	VRS1	4.125	4.130	.500	H	2291	41
—	—	—	V	800804	VRS1	4.125	4.130	.500	S	416011	41
—	—	—	V	800805	VRS2	4.125	4.130	.500	V	*416011V	41
95,00	95,20	10,00	S	*78X95X10★	32	4.125	4.130	.500	S	*456011	45
3.740	3.748	.394				4.125	4.130	.500	V	*456011V	45
99,72	100,00	13,00	S	*78X100X13★	32	4.125	4.130	.500	S	*476011	47
3.926	3.937	.512				4.125	4.130	.500	H	*476011H	47
100,00	100,27	10,00	S	78X100X10★	32	4.125	4.130	.500	V	*476011V	47
3.937	3.948	.394				4.125	4.130	.500	S	*486011	48
105,00	105,20	10,00	S	78X105X10★	32	4.125	4.130	.562	S	*415156	41
4.134	4.142	.394				4.125	4.130	.562	H	*415156H	41
109,72	110,00	12,00	S	*78X110X12★	32	4.125	4.130	.562	N	415156N	41
4.320	4.331	.472				4.125	4.130	.562	S	*455156	45
109,72	110,00	13,00	S	*78X110X13★	32	4.125	4.130	.562	N	*455156N	45
4.320	4.331	.512				4.125	4.130	.562	V	*455156V	45
110,00	110,20	10,00	S	*78X110X10★	32	4.125	4.130	.562	S	*475156	47
4.331	4.339	.394				4.125	4.130	.562	H	*475156H	47
115,00	115,20	10,00	S	78X115X10★	32	4.125	4.130	.562	N	*475156N	47
4.528	4.535	.394				4.125	4.130	.562	S	*485156	48
3.110" SHAFT						4.125	4.130	1.750	S	*6050	33
—	—	—	S	800800	VRS1	4.126	4.130	.437	T	39817	FW-H
—	—	—	V	800804	VRS1	4.173	4.179	.290	S	8976S	49
—	—	—	V	800805	VRS2	4.174	4.188	.500	S	370145A	07
—	5.750	.375	S	7896S	51	4.249	4.254	.468	S	*416287	41
3.750	3.760	.437	T	*712142	32	4.249	4.254	.468	H	*416287H	41
3.898	3.913	.378	T	712126	FW-H	4.249	4.254	.468	N	*416287N	41
3.125" (3-1/8") SHAFT						4.249	4.254	.468	V	*416287V	41
—	—	—	S	800800	VRS1	4.249	4.254	.468	S	*456287	45
—	—	—	V	800804	VRS1	4.249	4.254	.468	S	*486287	48
—	—	—	V	800805	VRS2	4.249 4.254 .500 S 416288				41	
—	5.750	.375	S	7896S	51	4.249	4.254	.500	S	*456288	45
3.750	3.760	.437	T	*712142	32	4.249	4.254	.500	S	*476288	47
3.898	3.913	.378	T	712126	FW-H	4.249	4.254	.500	S	*486288	48
3.125" (3-1/8") SHAFT						4.249	4.254	.500	S	*415016	41
—	—	—	S	800800	VRS1	4.249	4.254	.625	S	*415016N	41
—	—	—	V	800804	VRS1	4.249	4.254	.625	S	*455016	45
—	—	—	V	800805	VRS2	4.249	4.254	.625	S	*475016	47
—	—	.551	S	*99307	Redi-Sleeve	4.249	4.254	.625	S	*485016	48
—	—	.571	S	*8369S	#	4.375 4.381 .500 S 417171				41	
—	—	.688	S	99311	Redi-Sleeve	4.375	4.381	.500	S	*457171	45
—	—	.813	S	99312	Redi-Sleeve	4.375	4.381	.500	S	*477171	47
—	7.500	.531	S	*6480	#	4.375	4.381	.500	S	*487171	48
—	8.250	.500	S	*6764S	#	4.375	4.381	.562	N	*456289N	45
—	8.250	.571	S	6649	52	4.376	4.381	.562	S	*416289	41
—	8.250	.925	S	*6897	#	4.376	4.381	.562	N	*416289N	41
3.750	3.768	.437	T	712100	PDW	4.376	4.381	.562	S	*456289	45
3.751	3.756	.250	S	45825S	4S	4.376	4.381	.625	S	*415160	41
3.876	3.881	.468	S	*475568	47	4.376	4.381	.625	S	*455160	45
3.936	3.943	.512	V	2260	45	4.450	4.456	.880	S	710080	#
3.937	3.942	.500	S	*456909	45	4.499	4.504	.468	S	*415145	41
4.003 4.008 .375 S 416404					41	4.499	4.504	.468	N	*415145N	41
4.003	4.008	.375	V	*416404V	41	4.499	4.504	.468	V	*415145V	41
4.003	4.008	.375	S	*476404	47	4.499	4.504	.468	S	*455145	45
4.003	4.008	.375	N	*476404N	47	4.499	4.504	.468	S	*475145	47
4.003	4.008	.468	S	*415354	41	4.499	4.504	.468	S	*485145	48
						4.500 4.506 .500 S 417172				41	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW ♦ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
3.125" (3-1/8") SHAFT (cont.)						80,00mm (3.150") SHAFT (cont.)					
4.500	4.506	.500	S	*457172	45	96,00	96,28	9,00	V	228005★◄	32
4.500	4.506	.500	S	*477172	47	3,780	3,791	.354			
4.500	4.506	.500	S	*487172	48	97,72	98,00	10,00	S	*80X98X10★	32
4.500	4.506	.605	S	370014A	06	3,847	3,858	.394			
4.562	4.567	.687	F	*6603	205	98,00	98,40	10,00	V	228008★◄	32
4.562	4.567	.760	L	6644	5L	3,858	3,874	.394			
4.562	4.567	1.198	L	5751	34	99,72	100,00	8,00	S	*80X100X8★	32
4.625	4.631	.500	S	*457173	45	3,926	3,937	.315			
4.625	4.631	.562	S	*55690	5S	99,72	100,00	12,00	S	*80X100X12★	32
4.625	4.631	.605	S	370046A	06	3,926	3,937	.472			
4.626	4.631	.437	S	*416297	41	99,72	100,00	13,00	S	*80X100X13★	32
4.626	4.631	.437	S	*476297	47	3,926	3,937	.512			
4.751	4.756	.500	S	*416024	41	100,00	100,20	10,00	S	80X100X10★	35
4.751	4.756	.625	S	*415245	41	3,937	3,945	.394			
4.751	4.756	.625	N	*415245N	41	100,00	100,20	10,00	V	*80X100X10V★	32
4.751	4.756	.625	S	*455245	45	3,937	3,945	.394			
4.751	4.756	.625	S	*475245	47	100,00	100,20	10,00	H	228015★➡	32
4.751	4.756	.625	H	*475245H	47	3,937	3,945	.394			
4.751	4.756	.625	S	*485245	48	100,00	100,20	10,00	V	228011★◄	32
4.999	5.004	.468	S	*415021	41	3,937	3,945	.394			
4.999	5.004	.468	S	*455021	45	100,00	100,23	10,00	H	228009★◄	32
4.999	5.004	.468	S	*475021	47	3,937	3,946	.394			
4.999	5.004	.468	S	*485021	48	100,00	100,35	13,00	H	228010★◄	32
4.999	5.004	.500	S	*456301	45	3,937	3,951	.512			
5.251	5.256	.468	S	*415394	41	100,00	100,40	10,00	T	712111★➡	FW-H
5.251	5.256	.468	S	*455394	45	3,937	3,953	.394			
5.251	5.256	.468	S	*475394	47	100,00	100,40	13,00	T	712115★➡	FW-H
5.251	5.256	.468	S	*485394	48	3,937	3,953	.512			
5.778	8.125	.571	S	*6505S	#	100,00	100,40	13,00	T	712120★➡	FW-H
5.985	6.000	.955	S	9600S	#	3,937	3,953	.512			
7.000	8.250	1.003	N	*6481	51	100,00	100,40	13,00	T	712123★➡	FW-H
7.000	8.250	1.003	S	6481S	51	3,937	3,953	.512			
3.133" SHAFT						104,72	105,00	12,00	S	*80X105X12★	32
-	-	-	S	800800	VRS1	4.123	4.134	.472			
-	-	-	V	800804	VRS1	105,00	105,20	10,00	S	80X105X10★	32
-	-	-	V	800805	VRS2	4.134	4.142	.394			
3.547	3.551	.366	S	710106	#	105,00	105,20	12,00	V	*80X105X12V★	35
3.142" SHAFT						4.134	4.142	.472			
-	-	-	S	800800	VRS1	105,00	105,27	13,00	S	80X105X13★	32
-	-	-	V	800804	VRS1	4.134	4.144	.512			
-	-	-	V	800805	VRS2	105,00	105,26	14,00	S	228025★	32
-	-	.750		99313	Redi-Sleeve	4.134	4.144	.551			
3.733	3.736	.565	S	710103	#	105,00	105,27	14,00	S	*80X105X14★	32
3.146" SHAFT						4.134	4.144	.551			
-	-	-	S	800800	VRS1	109,72	110,00	13,00	S	*80X110X13★	32
-	-	-	V	800804	VRS1	4.320	4.331	.512			
-	-	-	V	800805	VRS2	110,00	110,20	10,00	V	*80X110X10V★	32
-	-	.433		*99317	Redi-Sleeve	4.331	4.339	.394			
-	-	.750		99313	Redi-Sleeve	110,00	110,28	10,00	S	80X110X10★	32
-	-	.827		99315	Redi-Sleeve	4.331	4.342	.394			
4.003	4.008	.468	S	*450407	45	110,00	110,28	12,00	S	228030★	35
80,00mm (3.150") SHAFT						4.331	4.342	.472			
-	-	-	S	800800	VRS1	110,00	110,28	12,00	S	80X110X12★	35
-	-	-	V	800804	VRS1	4.331	4.342	.472			
-	-	-	V	800805	VRS2	114,72	115,00	10,00	S	*80X115X10★	32
-	-	.433		*99317	Redi-Sleeve	4.517	4.528	.394			
-	-	.750		99313	Redi-Sleeve	114,72	115,00	13,00	S	*80X115X13★	32
-	-	.827		99315	Redi-Sleeve	4.517	4.528	.512			
94,72	95,00	8,00	S	*80X95X8★	32	115,00	115,20	12,00	S	*80X115X12★	32
3.729	3.740	.315				4.528	4.535	.472			
						120,00	120,20	10,00	S	80X120X10★	32
						4.724	4.732	.394			
						120,00	120,28	13,00	S	80X120X13★	32
						4.724	4.735	.512			
						124,72	125,00	10,00	S	*80X125X10★	32
						4.910	4.921	.394			
						124,72	125,00	13,00	S	*80X125X13★	32
						4.910	4.921	.512			
						124,72	125,00	14,00	S	*80X125X14★	32
						4.910	4.921	.551			

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
80,00mm (3.150") SHAFT (cont.)						3.230" SHAFT					
125.00	125.20	12.00	S	*80X125X12★	32	—	—	—	S	800800	VRS1
4.921	4.929	.472				—	—	—	V	800804	VRS1
125.00	125.27	7.00	S	80X125X7★	32	—	—	—	V	800805	VRS2
4.921	4.932	.276				—	—	.661		99328	Redi-Sleeve
129.70	130.00	13.00	S	*80X130X13★	32	3.790	3.795	.325	T	40375	32
5.106	5.118	.512				3.249" SHAFT					
130.00	130.20	12.00	S	*80X130X12★	32	4.468	4.488	.318	S	200870%	200E
5.118	5.126	.472				4.536	4.556	.315	S	*200880%	200E
135.00	135.20	12.00	S	*80X135X12★	32	3.250" (3-1/4") SHAFT					
5.315	5.323	.472				—	—	—	S	800800	VRS1
140.00	140.20	12.00	S	*80X140X12★	32	—	—	—	V	800804	VRS1
5.512	5.520	.472				—	—	—	V	800805	VRS2
3.164" SHAFT						—	—	.595		99324	Redi-Sleeve
—	—	—	S	800800	VRS1	—	—	.600		99323	Redi-Sleeve
—	—	—	V	800804	VRS1	—	—	.656	V	*4596V	#
—	—	—	V	800805	VRS2	—	—	.688		*99326	Redi-Sleeve
4.249	4.254	.625	S	*455734	45	—	—	.813		99322	Redi-Sleeve
4.999	5.004	.468	S	456799	45	—	—	.813		99325	Redi-Sleeve
4.999	5.004	.468	H	*456799H	45	—	4.325	.404	N	*100355	#
3.180" SHAFT						3.781	3.785	.593	S	*712131	#
—	—	—	S	800800	VRS1	3.879	3.881	.375	V	710180	47
—	—	—	V	800804	VRS1	4.003	4.008	.375	S	417433	41
—	—	—	V	800805	VRS2	4.003	4.008	.468	T	55563	5S
4.180	4.185	.750	S	3385	74	4.003	4.008	.468	S	415563	41
3.187" (3-3/16") SHAFT						4.003	4.008	.468	N	*415563N	41
4.249	4.254	.468	S	456105	45	4.003	4.008	.468	S	*475563	47
4.249	4.254	.625	S	*455017	45	4.125	4.130	.500	H	*255566H	25
4.376	4.381	.500	S	417490	41	4.125	4.130	.562	V	*455566V	45
4.376	4.381	.625	S	*455161	45	4.125	4.130	.562	S	*415566	41
4.499	4.504	.468	S	455336	45	4.125	4.130	.562	N	*415566N	41
4.625	4.630	.442	S	*2054	47	4.125	4.130	.562	V	*415566V	41
4.625	4.630	.442	S	6358	47	4.125	4.130	.562	S	455566	45
4.999	5.004	.468	S	455022	45	4.125	4.130	.562	N	*455566N	45
5.000	5.006	.765	S	370029A	03	4.125	4.130	.562	S	*475566	47
3.209" SHAFT						4.125	4.130	.562	S	*485566	48
—	—	—	S	800800	VRS1	4.125	4.130	.937	S	*6495S	9S
—	—	—	V	800804	VRS1	4.247	4.254	.375	V	476470V	47
—	—	—	V	800805	VRS2	4.249	4.254	.375	F	296470	29
89.80	—	2.50	S	710293★	#	4.249	4.254	.375	N	416470N	41
3.535	—	.098				4.249	4.254	.375	S	476470	47
3.226" SHAFT						4.249	4.254	.375	N	*476470N	47
—	—	—	S	800800	VRS1	4.249	4.254	.468	V	411275	41
—	—	—	V	800804	VRS1	4.249	4.254	.468	H	*411275H	41
—	—	—	V	800805	VRS2	4.249	4.254	.468	N	*411275N	41
—	—	.661		99328	Redi-Sleeve	4.249	4.254	.468	S	*451275	45
—	8.250	.518	S	*6477S	#	4.249	4.254	.468	N	*451275N	45
82,00mm (3.228") SHAFT						4.249	4.254	.500	S	415304	41
—	—	—	S	800800	VRS1	4.249	4.254	.500	N	*415304N	41
—	—	—	V	800804	VRS1	4.249	4.254	.500	V	*415304V	41
—	—	—	V	800805	VRS2	4.249	4.254	.500	S	*455304	45
—	—	.661		99328	Redi-Sleeve	4.249	4.254	.500	N	*455304N	45
99.50	99.77	12.70	V	320691★	32	4.249	4.254	.500	V	*455304V	45
3.918	3.928	.500				4.249	4.254	.500	S	*475304	47
105.00	105.25	13.00	S	82X105X13★	25	4.249	4.254	.500	V	*475304V	47
4.134	4.144	.512				4.249	4.254	.500	S	*485304	48
105.00	105.30	13.00	H	1945★	32	4.249	4.254	.625	S	*415018	41
4.134	4.146	.512				4.249	4.254	.625	N	*415018N	41
105.00	105.30	13.00	H	228480★	#	4.249	4.254	.625	S	455018	45
4.134	4.146	.512				4.249	4.254	.625	H	*455018H	45
						4.249	4.254	.625	N	455018N	45
						4.249	4.254	.625	S	*475018	47
						4.249	4.254	.625	S	*485018	48
						4.249	4.260	.662	V	4543V	#
						4.249	4.282	.650	N	4875N	#
						4.250	4.254	.500	S	*9640	#

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW ♦ Hydrodynamic Lip Design-CCW

♦♦ Hydrodynamic Lip Design-Bidirectional % External Bore * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
3.250" (3-1/4") SHAFT (cont.)						3.253" SHAFT (cont.)					
4.250	4.255	.500	U	710016	#	-	-	.813	99325	Redi-Sleeve	
4.330	4.340	.250	S	*345703	34	4.249	4.260	.635	V	100494➔	08
4.376	4.381	.500	S	*417181	41	4.499	4.505	.468	S	*2109	41
4.376	4.381	.500	S	*457181	45	5.500	5.511	.630	V	4544V➔	#
4.376	4.381	.500	S	*477181	47	5.500	5.511	.635	V	100557➔	08
4.376	4.381	.500	S	*487181	48	3.263" SHAFT					
4.376	4.381	.562	S	*416290	41	-	-	-	S	800800	VRS1
4.376	4.381	.562	S	*456290	45	-	-	-	V	800804	VRS1
4.376	4.381	.562	V	*456290V	45	-	-	-	V	800805	VRS2
4.376	4.381	.625	S	*415162	41	3.275	4.110	.500	S	*8710	#
4.376	4.381	.625	S	*455162	45	83,00mm (3.268") SHAFT					
4.376	4.381	.625	N	*455162N	45	-	-	-	S	800800	VRS1
4.376	4.381	.625	S	*485162	48	-	-	-	V	800804	VRS1
4.499	4.504	.468	S	415137	41	-	-	-	V	800805	VRS2
4.499	4.504	.468	S	455137	45	100,00	100,20	9,00	H	228250★◄	32
4.499	4.504	.468	V	*455137V	45	3.937	3.945	.354			
4.499	4.504	.468	S	*475137	47	103,72	104,00	9,00	S	*83X104X9★	32
4.499	4.504	.468	N	*475137N	47	4.083	4.094	.354			
4.499	4.504	.468	S	*485137	48	109,72	110,00	13,00	S	*83X110X13★	32
4.500	4.505	.406	F	*296051	29	4.320	4.331	.512			
4.500	4.506	.375	S	*418028	41	116,72	117,00	14,00	S	*83X117X14★	32
4.500	4.506	.500	S	417352	41	4.595	4.606	.551			
4.500	4.506	.500	S	*457352	45	3.270" SHAFT					
4.500	4.506	.500	S	*477352	47	-	-	-	S	800800	VRS1
4.500	4.506	.500	S	*487352	48	-	-	-	V	800804	VRS1
4.500	4.506	.605	S	370018A	06	-	-	-	V	800805	VRS2
4.500	4.507	.718	S	6584S&	74	3.655	3.660	.500	S	*2499	#
4.500	4.600	.315	S	7208S%	200E	3.298" SHAFT					
4.501	4.506	.468	S	*455615	45	4.125	4.130	.562	S	455500	45
4.626	4.631	.437	S	*476303	47	4.125	4.130	.562	S	475500	47
4.626	4.631	.437	S	*486303	48	4.125	4.130	.562	N	*485500N	48
4.626	4.631	.437	S	*416304	41	84,00mm (3.307") SHAFT					
4.626	4.632	.500	S	*417353	41	-	-	.813	99331	Redi-Sleeve	
4.626	4.632	.500	S	*457353	45	99,72	100,00	10,00	S	*84X100X10★	32
4.626	4.632	.500	S	*477353	47	3.926	3.937	.394			
4.626	4.632	.500	S	*487353	48	100,00	100,10	10,00	S	710294★	47
4.626	4.633	.706	S	*9583◄➔	#	3.937	3.941	.394			
4.718	4.723	.468	L	55236	5L	100,00	100,20	12,00	S	*84X100X12★	32
4.723	4.729	.468	S	*415577	41	3.937	3.945	.472			
4.723	4.729	.468	N	*415577N	41	104,00	0,00	10,01	V	228411★	32
4.723	4.729	.468	S	*455577	45	4.094	.000	.394			
4.751	4.756	.484	S	*456305	45	104,00	104,28	11,00	V	228410★◄	32
4.751	4.756	.500	S	*456306	45	4.094	4.106	.433			
4.751	4.756	.625	S	*415265	41	118,00	118,10	7,00	V	710363★◄	#
4.751	4.756	.625	N	*415265N	41	4.646	4.650	.276			
4.751	4.756	.625	S	*455265	45	3.312" (3-5/16") SHAFT					
4.751	4.756	.625	S	*475265	47	-	-	.813	99331	Redi-Sleeve	
4.751	4.756	.625	S	*485265	48	4.249	4.253	.500	S	*456292	45
4.999	5.004	.468	S	*415023	41	4.249	4.254	.500	S	*416292	41
4.999	5.004	.468	S	*455023	45	4.249	4.254	.750	S	*8229	#
4.999	5.004	.468	S	*475023	47	4.376	4.381	.500	S	*417491	41
4.999	5.004	.468	S	*485023	48	4.376	4.381	.625	S	*455163	45
4.999	5.004	.500	S	*416309	41	4.376	4.381	.625	H	*455163H	45
5.251	5.256	.468	S	*415328	41	4.499	4.504	.468	S	*415085	41
5.251	5.256	.468	S	455328	45	4.499	4.504	.468	S	*455085	45
5.251	5.256	.468	S	*475328	47	4.499	4.504	.468	V	*455085V	45
5.251	5.256	.468	S	*485328	48	4.499	4.504	.468	S	*475085	47
5.500	5.506	.500	N	417987N	41	4.501	4.506	.468	S	456648	45
6.125	6.149	.500	S	*2699	#	4.501	4.506	.605	S	370191A	06
6.374	6.380	.468	S	*487056	48	3.253" SHAFT					
-	-	-	S	800800	VRS1	-	-	-	S	800800	VRS1
-	-	-	V	800804	VRS1	-	-	-	V	800805	VRS2
-	-	-	V	800805	VRS2	-	-	-	V	800805	VRS2
-	-	.595		99324	Redi-Sleeve	-	-	.595		99324	Redi-Sleeve
-	-	.600		99323	Redi-Sleeve	-	-	.600		99323	Redi-Sleeve
-	-	.688		*99326	Redi-Sleeve	-	-	.688		*99326	Redi-Sleeve
-	-	.813		99322	Redi-Sleeve	-	-	.813		99322	Redi-Sleeve

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄➔ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
3.312" (3-5/16") SHAFT (cont.)						85,00mm (3.346") SHAFT (cont.)					
4.751	4.756	.500	S	416313	41	129,70	130,00	12,00	S	*85X130X12★	32
4.999	5.004	.468	S	455024	45	5.106	5.118	.472			
5.000	5.006	.937	S	370013A	03	129,70	130,00	14,00	S	*85X130X14★	32
5.125	5.131	.500	S	*457961	45	5.106	5.118	.551			
5.501	5.506	.562	S	*455612	45	130,00	130,15	12,70	S	85X130X13★	48
5.501	5.506	.562	N	*455612N	45	5.118	5.124	.500			
3.330" SHAFT						130,00	130,15	12,70	S	*476516★	47
4.125	4.130	.562	S	477055	47	5.118	5.124	.500			
5.045	5.050	.800	S	710088	#	139,70	140,00	12,00	S	*85X140X12★	32
85,00mm (3.346") SHAFT						5.500	5.512	.472			
-	-	.827		99333	Redi-Sleeve	3.350" SHAFT					
-	-	.827		99334	Redi-Sleeve	4.250	4.280	.635	V	100400V	08
-	102,57	25,40	T	*100467★➡	#	3.375" (3-3/8") SHAFT					
-	4.038	1.000				-	-	.375	*99338	Redi-Sleeve	
99,72	100,00	9,00	S	*85X100X9★	32	-	-	.813	99337	Redi-Sleeve	
3.926	3.937	.354				3.948	3.955	.375	N	5128N	32
99,72	100,00	10,00	S	*85X100X10★	32	3.948	3.955	.375	S	710077	32
3.926	3.937	.394				4.125	4.130	.375	S	415442	41
99,72	100,00	12,00	S	*85X100X12★	32	4.249	4.254	.468	S	476028	47
3.926	3.937	.472				4.249	4.254	.468	N	*476028N	47
104,72	105,00	12,00	S	*85X105X12★	32	4.249	4.254	.500	S	416294	41
4.123	4.134	.472				4.249	4.254	.500	H	*416294H	41
105,00	105,28	10,00	S	85X105X10★	32	4.249	4.254	.500	N	*416294N	41
4.134	4.145	.394				4.249	4.254	.500	V	416294V	41
105,00	105,28	10,00	H	716102★⚡	32	4.249	4.254	.500	S	*456294	45
4.134	4.145	.394				4.249	4.254	.500	H	*456294H	45
105,00	105,28	13,00	S	85X105X13★	32	4.249	4.254	.500	N	*456294N	45
4.134	4.145	.512				4.249	4.254	.500	S	*476294	47
4.135	4.148	.465	N	*3590	#	4.249	4.254	.500	S	*486294	48
109,72	110,00	13,00	S	*85X110X13★	32	4.249	4.254	.625	S	*415613	41
4.320	4.331	.512				4.249	4.254	.625	S	*455613	45
110,00	110,20	10,00	S	85X110X10★	35	4.249	4.254	.625	S	*475613	47
4.331	4.339	.394				4.249	4.254	.625	S	*485613	48
110,00	110,20	12,00	V	*85X110X12V★	32	4.250	4.255	.280	S	*487319	48
4.331	4.339	.472				4.275	4.380	.730	S	*8130%	#
110,00	110,28	12,00	S	228520★	35	4.280	4.285	.406	H	*475996H	47
4.331	4.342	.472				4.280	4.285	.406	N	*485996N	48
110,00	110,28	12,00	S	85X110X12★	32	4.370	4.375	.250	S	486567	48
4.331	4.342	.472				4.376	4.381	.250	S	*47757	48
110,72	111,00	10,00	S	*85X111X10★	32	4.376	4.381	.375	S	412473	41
4.359	4.370	.394				4.376	4.381	.375	S	*472473	47
113,00	113,20	10,50	N	710330★	#	4.376	4.381	.375	H	*472473H	47
4.449	4.457	.413				4.376	4.381	.500	S	415894	41
114,22	114,50	12,00	S	*85X114.5X12★	32	4.376	4.381	.500	S	*455894	45
4.497	4.508	.472				4.376	4.381	.500	N	*455894N	45
114,72	115,00	15,00	S	*85X115X15★	32	4.376	4.381	.500	S	*475894	47
4.517	4.528	.591				4.376	4.381	.500	S	*485894	48
115,00	115,00	13,00	S	85X115X13★	35	4.376	4.381	.562	S	*411414	41
4.528	4.528	.512				4.376	4.381	.562	N	*411414N	41
115,00	115,20	12,00	S	*85X115X12★	32	4.376	4.381	.562	S	*451414	45
4.528	4.535	.472				4.376	4.381	.562	H	*451414H	45
115,00	115,27	7,00	S	85X115X7★	32	4.376	4.381	.562	N	*451414N	45
4.528	4.538	.276				4.376	4.381	.562	S	*481414	48
119,72	120,00	10,00	S	*85X120X10★	32	4.376	4.381	.562	H	*481414H	48
4.713	4.724	.394				4.376	4.381	.625	S	*415164	41
119,72	120,00	13,00	S	*85X120X13★	32	4.376	4.381	.625	N	415164N	41
4.713	4.724	.512				4.376	4.381	.625	S	*455164	45
119,72	120,00	15,00	S	*85X120X15★	32	4.376	4.381	.625	N	*455164N	45
4.713	4.724	.591				4.499	4.504	.468	S	*415165	41
120,00	120,28	12,00	S	85X120X12★	32	4.499	4.504	.468	H	*415165H	41
4.724	4.735	.472				4.499	4.504	.468	S	455165	45
124,72	125,00	13,00	S	*85X125X13★	32	4.499	4.504	.468	N	*455165N	45
4.910	4.921	.512				4.499	4.504	.468	V	*455165V	45
124,72	125,00	14,00	S	*85X125X14★	32	4.499	4.504	.468	S	*475165	47
4.910	4.921	.551				4.499	4.504	.468	S	*485165	48
125,00	125,20	12,00	S	85X125X12★	32	4.500	4.506	.500	S	417191	41
4.921	4.929	.472				4.500	4.506	.500	V	*417191V	41

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ⚡ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
3.375" (3-3/8") SHAFT (cont.)						3.437" SHAFT (cont.)					
4.500	4.506	.500	S	*457191	45	5.250	5.256	.468	S	455471	45
4.500	4.506	.500	S	*477191	47	5.501	5.506	.562	S	*455472	45
4.500	4.506	.500	S	*487191	48	88,00mm (3.465") SHAFT					
4.500	4.800	.315	S	*200922%	200E	106,00	106,28	8,50	V	710188★◄	32
4.501	4.506	.468	S	456585	45	4.173	4.184	.335			
4.501	4.506	.625	S	*55331	5S	107,72	108,00	11,00	S	*88X108X11★	32
4.626	4.631	.437	S	*476319	47	4.241	4.252	.433			
4.626	4.631	.437	S	*486319	48	108,00	108,36	11,10	H	3772★◄	35
4.626	4.631	.437	V	*486319V	48	4.252	4.266	.437			
4.626	4.631	.625	S	*455168	45	108,00	108,36	11,10	T	*100239T★◄	FW-H
4.626	4.631	.625	N	*455168N	45	4.252	4.266	.437			
4.626	4.631	.687	N	*7775N	#	110,00	110,28	12,00	S	88X110X12★	35
4.626	4.632	.500	S	417354	41	4.331	4.342	.472			
4.626	4.632	.500	S	*457354	45	115,00	115,20	12,00	S	*88X115X12★	32
4.626	4.632	.500	S	*477354	47	4.528	4.535	.472			
4.626	4.632	.500	S	*487354	48	120,00	120,20	12,00	S	*88X120X12★	32
4.688	4.693	.500	S	455249	45	4.724	4.732	.472			
4.718	4.723	.468	L	*55431	5L	3.468" (3-15/32") SHAFT					
4.751	4.756	.500	S	416321	41	4.626	4.631	.625	S	2055	47
4.751	4.756	.625	S	*416323	41	3.478" SHAFT					
4.751	4.756	.625	S	*456323	45	-	-	-	S	800900	VRS1
4.751	4.756	.625	S	*476323	47	-	-	-	S	800901	VRS2
4.751	4.756	.625	S	*486323	48	-	-	-	V	800904	VRS1
4.999	5.004	.468	S	415025	41	-	-	.781		99340	Redi-Sleeve
4.999	5.004	.468	N	*415025N	41	4.922	4.927	.468	S	*200118	200
4.999	5.004	.468	S	*455025	45	3.500" (3-1/2") SHAFT					
4.999	5.004	.468	S	*475025	47	-	-	-	S	800900	VRS1
4.999	5.004	.468	S	*485025	48	-	-	-	S	800901	VRS2
4.999	5.004	.500	S	*456325	45	-	-	-	V	800904	VRS1
5.251	5.256	.468	S	416327	41	-	-	.315		99347	Redi-Sleeve
5.251	5.256	.468	S	*456327	45	-	-	.813		99350	Redi-Sleeve
5.251	5.256	.468	S	*476327	47	4.000	-	.313	U	710029	#
5.251	5.256	.468	S	*486327	48	4.125	-	.313	U	710030	#
86,00mm (3.386") SHAFT						4.125	4.130	.250	S	45525S	4S
99,72	100,00	10,00	S	*86X100X10★	32	4.125	4.130	.250	S	446927	44
3.926	3.937	.394				4.331	4.346	.472	T	712116➔	FW-H
103,00	103,23	10,00	V	710235★◄	32	4.375	4.381	.562	S	*415899	41
4.055	4.064	.394				4.375	4.381	.562	N	415899N	41
104,00	104,23	11,00	V	710232★◄	32	4.375	4.381	.562	S	*455899	45
4.094	4.104	.433				4.376	4.381	.375	S	*457599	45
3.410" SHAFT						4.376	4.381	.375	S	*477599	47
5.251	5.257	.500	S	*200167	200	4.376	4.381	.500	V	*3575V	#
87,00mm (3.425") SHAFT						4.376	4.381	.500	S	416624	41
100,00	100,20	8,00	H	228700★◄	32	4.376	4.381	.500	N	416624N	41
3.937	3.945	.315				4.376	4.381	.500	V	*416624V	41
3.437" SHAFT						4.376	4.381	.500	S	*456624	45
-	-	.781		99339	Redi-Sleeve	4.376	4.381	.500	S	*476624	47
4.249	4.254	.375	S	418029	41	4.376	4.381	.500	V	*476624V	47
4.249	4.254	.375	V	*418029V	41	4.376	4.381	.500	S	*486624	48
4.249	4.254	.625	S	455499	45	4.376	4.381	.625	S	*456068	45
4.499	4.504	.468	S	*455166	45	4.437	4.437	.437	L	5965%	8L
4.501	4.506	.375	V	417492V	41	4.450	4.455	.525	S	9339S	278
4.501	4.506	.375	S	417492	41	4.450	4.456	.843	S	370179A	07
4.501	4.506	.468	S	*416365	41	4.499	4.504	.468	S	415146	41
4.501	4.506	.468	S	*476365	47	4.499	4.504	.468	N	*415146N	41
4.501	4.506	.625	L	55419	5L	4.499	4.504	.468	S	455146	45
4.625	4.725	.484	S	*84082%	8S	4.499	4.504	.468	V	*455146V	45
4.626	4.631	.500	S	417493	41	4.499	4.504	.468	S	*475146	47
4.626	4.631	.500	V	*417493V	41	4.499	4.504	.468	N	*475146N	47
4.755	4.761	.605	S	370047A	06	4.499	4.504	.468	S	*485146	48
4.756	4.761	.562	S	455858	45	4.499	4.508	.250	S	345146	34
4.876	4.881	.500	S	417494	41	4.500	4.504	.500	U	710015	#
4.876	4.881	.625	S	*455341	45	4.500	4.505	.250	S	*8892	#
4.999	5.004	.468	S	455026	45						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
3.500" (3-1/2") SHAFT (cont.)						3.500" (3-1/2") SHAFT (cont.)					
4.500	4.506	.375	S	*477437	47	5.126	5.131	.625	N	715319	47
4.500	4.506	.500	S	*416414	41	5.250	5.256	.500	N	*3814N	#
4.500	4.506	.500	S	*456414	45	5.250	5.258	.562	S	6612S	#
4.500	4.506	.500	S	*476414	47	5.251	5.256	.468	S	*415559	41
4.500	4.506	.500	S	*486414	48	5.251	5.256	.468	S	*455559	45
4.501	4.506	.468	S	*415991	41	5.251	5.256	.468	S	*475559	47
4.501	4.506	.468	N	415991N	41	5.251	5.256	.468	S	*485559	48
4.501	4.506	.468	V	415991V	41	5.500	5.505	.500	S	*417496	41
4.501	4.506	.468	S	*455991	45	5.501	5.506	.562	S	*415262	41
4.501	4.506	.468	N	*475991N	47	5.501	5.506	.562	S	*455262	45
4.501	4.506	.468	N	*485991N	48	5.501	5.506	.562	S	*475262	47
4.501	4.506	.468	V	712750	41	5.501	5.506	.562	S	*485262	48
4.501	4.506	.500	V	4491	#	5.750	5.756	.875	L	*5961	91
4.501	4.506	.500	H	*456414H	45	5.751	5.756	.562	S	*415396	41
4.501	4.506	.875	S	*15305S	1S	5.751	5.756	.562	S	*455396	45
4.501	4.511	.528	S	*355305	35	5.751	5.756	.562	S	*475396	47
4.501	4.511	.528	N	*355305N	35	5.751	5.756	.562	S	*485396	48
4.543	4.558	.788	S	370132A	07	5.906	7.500	.600	N	*4409N	#
4.600	6.625	.531	S	*6245S	#	6.000	6.008	1.546	S	*712130	#
4.625	4.631	.500	S	*417196	41	89,00mm (3.504") SHAFT					
4.625	4.631	.500	V	*417196V	41	-	-	-	S	800900	VRS1
4.625	4.631	.500	S	*457196	45	-	-	-	S	800901	VRS2
4.625	4.631	.500	S	*477196	47	-	-	-	V	800904	VRS1
4.625	4.631	.500	S	*487196	48	-	-	.315	99347		Redi-Sleeve
4.626	4.631	.437	S	*476328	47	-	-	.626	99349		Redi-Sleeve
4.626	4.631	.437	S	*486328	48	-	-	.813	99350		Redi-Sleeve
4.626	4.631	.625	S	415170	41	105,00	105,20	10,00	V	710189★	47
4.626	4.631	.625	S	*455170	45	4.134	4.142	.394			
4.626	4.631	.625	N	*455170N	45	109,00	109,20	9,00	H	229004★	32
4.750	4.756	.500	S	*475437	47	4.291	4.299	.354			
4.750	4.756	.500	S	*485437	48	3.506" SHAFT					
4.751	4.756	.375	N	476424N	47	.000	4.117	.453	S	710514	41
4.751	4.756	.500	S	*415437	41	3.539" SHAFT					
4.751	4.756	.500	S	*455437	45	5.277	5.291	.604	V	370212A	07
4.751	4.756	.500	N	455437N	45	90,00mm (3.543") SHAFT					
4.751	4.756	.625	S	*55173	5S	-	-	-	S	800900	VRS1
4.751	4.756	.625	S	*415173	41	-	-	-	S	800901	VRS2
4.751	4.756	.625	N	*415173N	41	-	-	-	V	800904	VRS1
4.751	4.756	.625	S	455173	45	-	-	.528	*99353		Redi-Sleeve
4.751	4.756	.625	N	*455173N	45	-	-	.710	99351		Redi-Sleeve
4.751	4.756	.625	S	*475173	47	-	-	.906	99354		Redi-Sleeve
4.751	4.756	.625	S	*485173	48	0,00	120,00	16,00	V	710454★	#
4.751	4.757	.605	S	370169A	07	.000	4.724	.630			
4.840	4.848	.897	S	*2910	#	99,72	100,00	7,00	S	*90X100X7★	32
4.841	4.848	.875	S	6638S	#	3.926	3.937	.276			
4.842	4.847	.910	T	380001A	10	99,72	100,00	12,00	S	*90X100X12★	32
4.842	4.848	.875	S	*8880	#	3.926	3.937	.472			
4.842	4.848	.925	S	370001A	09	104,00	104,10	11,00	V	710237★	32
4.864	4.964	.321	S	*200961%	200E	4.094	4.098	.433			
4.864	4.964	.321	S	*200204	200	104,72	105,00	12,00	S	*90X105X12★	32
4.875	4.881	.500	S	*417198	41	4.123	4.134	.472			
4.875	4.881	.625	S	*455255	45	104,72	105,00	13,00	S	*90X105X13★	32
4.875	4.881	.925	S	*7955	39	4.123	4.134	.512			
4.921	5.021	.321	S	*200878%	200E	108,00	108,23	10,00	N	710219★	32
4.999	5.004	.468	S	*415027	41	4.252	4.261	.394			
4.999	5.004	.468	H	415027H	41	109,72	110,00	10,00	S	*90X110X10★	32
4.999	5.004	.468	N	415027N	41	4.320	4.331	.394			
4.999	5.004	.468	S	455027	45	110,00	110,20	9,00	H	229006★	32
4.999	5.004	.468	H	*455027H	45	4.331	4.339	.354			
4.999	5.004	.468	N	455027N	45	110,00	110,20	12,00	S	90X110X12★	35
4.999	5.004	.468	S	*475027	47	4.331	4.339	.472			
4.999	5.004	.468	S	*485027	48						
4.999	5.004	.468	N	*485027N	48						
4.999	5.004	.500	N	*416331N	41						
4.999	5.004	.500	S	*456331	45						
4.999	5.004	.500	H	*456331H	45						
5.000	5.006	1.000	S	370002A	03						
5.126	5.131	.625	S	*417495	41						
5.126	5.131	.625	S	*415319	41						
5.126	5.131	.625	N	*415319N	41						
5.126	5.131	.625	S	*455319	45						
5.126	5.131	.625	N	*475319N	47						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CCW % External Bore * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
90,00mm (3.543") SHAFT (cont.)						3.562" (3-9/16") SHAFT					
110.00	110.20	12.00	V	*90X110X12V★	32	—	—	—	S	800900	VRS1
4.331	4.339	.472				—	—	—	S	800901	VRS2
110.00	110.31	8.50	H	229010★◄	32	—	—	—	V	800904	VRS1
4.331	4.343	.335				—	—	.813		99356	Redi-Sleeve
110.00	110.31	12.00	V	229005★◄	32	4.499	4.504	.468	S	415498	41
4.331	4.343	.472				4.499	4.504	.468	S	*455498	45
110.00	110.31	13.00	S	*90X110X13★	35	4.499	4.504	.468	N	*455498N	45
4.331	4.343	.512				4.499	4.504	.468	S	*485498	48
110.00	110.40	12.00	T	712124★►	FW-H	4.500	4.506	.500	V	*416113V	41
4.331	4.346	.472				4.500	4.506	.500	S	*456113	45
111.72	112.00	12.00	S	*90X112X12★	32	4.500	4.506	.500	N	*456113N	45
4.398	4.409	.472				4.625	4.631	.500	S	415711	41
112.42	112.70	13.00	S	*90X112.7X13★	32	4.626	4.631	.562	N	*476591N	47
4.426	4.437	.512				4.751	4.756	.500	S	417497	41
114.72	115.00	10.00	S	*90X115X10★	32	4.751	4.756	.625	S	*455174	45
4.517	4.528	.394				4.755	4.761	.550	S	9584&	74
114.72	115.00	13.00	S	*90X115X13★	32	4.876	4.881	.500	S	417498	41
4.517	4.528	.512				4.999	5.004	.468	L	55028	5L
115.00	115.14	17.12	S	*4789S★◄►	#	5.751	5.756	.562	S	*455402	45
4.528	4.533	.674				3.574" SHAFT					
115.00	115.20	12.00	S	90X115X12★	32	—	—	—	S	800900	VRS1
4.528	4.535	.472				—	—	—	S	800901	VRS2
117.72	118.00	12.00	S	*90X118X12★	32	—	—	—	V	800904	VRS1
4.635	4.646	.472				4.756	4.761	.550	N	*4173	#
119.72	120.00	13.00	S	*90X120X13★	32	91,00mm (3.583") SHAFT					
4.713	4.724	.512				—	—	—	S	800900	VRS1
120.00	120.20	12.00	V	*90X120X12V★	35	—	—	—	S	800901	VRS2
4.724	4.732	.472				—	—	—	V	800904	VRS1
120.00	120.28	12.00	S	90X120X12★◄►	32	110.00	110.26	8.50	V	229210★◄►	32
4.724	4.735	.472				4.331	4.341	.335			
124.72	125.00	15.00	S	*90X125X15★	32	111.00	111.13	10.01	T	*100052T★◄	FW-H
4.910	4.921	.591				4.370	4.375	.394			
125.00	125.20	12.00	S	*90X125X12★	32	111.00	111.20	10.00	V	710056★◄	47
4.921	4.929	.472				4.370	4.378	.394			
125.00	125.30	13.00	S	90X125X13★	32	3.620" SHAFT					
4.921	4.933	.512				—	—	—	S	800900	VRS1
125.00	125.70	7.00	S	90X125X7★	32	—	—	—	S	800901	VRS2
4.921	4.949	.276				—	—	—	V	800904	VRS1
129.70	130.00	10.00	S	*90X130X10★	32	—	—	.811		*99360	Redi-Sleeve
5.106	5.118	.394				4.625	4.630	.400	T	39882►	FW-H
129.70	130.00	13.00	S	*90X130X13★	32	92,00mm (3.622") SHAFT					
5.106	5.118	.512				—	—	—	S	800900	VRS1
130.00	130.20	12.00	S	*90X130X12★	32	—	—	—	S	800901	VRS2
5.118	5.126	.472				—	—	—	V	800904	VRS1
134.70	135.00	13.00	S	*90X135X13★	32	—	—	.811		*99360	Redi-Sleeve
5.303	5.315	.512				110.00	110.29	10.00	H	355660H★	35
135.00	135.20	12.00	S	*90X135X12★	32	4.331	4.342	.394			
5.315	5.323	.472				119.72	120.00	12.00	S	*92X120X12★	32
140.00	140.20	12.00	S	*90X140X12★	32	4.713	4.724	.472			
5.512	5.520	.472				120.00	120.24	13.00	S	92X120X13★	35
145.00	145.20	14.00	S	90X145X14★	32	4.724	4.734	.512			
5.709	5.717	.551				3.625" (3-5/8") SHAFT					
157.86	158.00	14.27	T	39865★►	#	—	—	—	S	800900	VRS1
6.215	6.220	.562				—	—	—	S	800901	VRS2
159.70	160.00	10.00	S	*90X160X10★	32	—	—	—	V	800904	VRS1
6.287	6.299	.394				—	—	.811		*99360	Redi-Sleeve
3.550" SHAFT						110.00	110.29	10.00	H	355660H★	35
—	—	—	S	800900	VRS1	4.331	4.342	.394			
—	—	—	S	800901	VRS2	119.72	120.00	12.00	S	*92X120X12★	32
—	—	—	V	800904	VRS1	4.713	4.724	.472			
4.376	4.381	.375	N	*455923N	45	120.00	120.24	13.00	S	92X120X13★	35
3.557" SHAFT						4.724	4.734	.512			
—	—	—	S	800900	VRS1	3.625" (3-5/8") SHAFT					
—	—	—	S	800901	VRS2	—	—	—	S	800900	VRS1
—	—	—	V	800904	VRS1	—	—	—	S	800901	VRS2
4.530	4.530	.320	S	*8480	#	—	—	.500		99363	Redi-Sleeve
						—	—	.813		99362	Redi-Sleeve
						4.240	4.256	.390	V	3909◄	35
						4.240	4.256	.390	T	*100204T◄	FW-H
						4.249	4.254	.250	S	*47010S	4S

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ► Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW
 ◄► Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
3.625" (3-5/8") SHAFT (cont.)						3.625" (3-5/8") SHAFT (cont.)					
4.375	4.381	.375	S	*456744	45	5.375	5.381	.500	S	415832	41
4.375	4.381	.375	N	456744N	45	5.375	5.381	.500	S	*455832	45
4.376	4.381	.375	S	417698	41	5.501	5.506	.500	S	417500	41
4.499	4.504	.468	S	415389	41	5.501	5.506	.562	S	*416389	41
4.499	4.504	.468	N	415389N	41	5.501	5.506	.562	S	*456389	45
4.499	4.504	.468	S	*455389	45	5.501	5.506	.562	S	*476389	47
4.499	4.504	.468	H	*455389H	45	5.751	5.756	.562	S	415436	41
4.499	4.504	.468	V	*455389V	45	5.751	5.756	.562	S	*455436	45
4.499	4.504	.468	S	*475389	47	5.751	5.756	.562	S	*475436	47
4.499	4.504	.468	N	*475389N	47	5.751	5.756	.562	S	*485436	48
4.499	4.504	.468	S	*485389	48	6.000	6.006	.500	S	*417650	41
4.624	4.629	.500	S	*456003	45	3.655" SHAFT					
4.624	4.630	.500	N	*487397N	48	-	-	-	S	800900	VRS1
4.624	4.630	.500	V	487397V➔	48	-	-	-	S	800901	VRS2
4.625	4.631	.437	S	416332	41	-	-	-	V	800904	VRS1
4.625	4.631	.500	S	416047	41	4.620	4.631	.270	S	*4203➔	#
4.625	4.631	.500	S	*456047	45	93,00mm (3.661") SHAFT					
4.625	4.631	.500	S	*476047	47	-	-	-	S	800950	VRS1
4.625	4.631	.500	S	*486047	48	-	-	-	V	800954	VRS1
4.625	4.631	.625	N	*415172N	41	114.00	114.20	14.00	S	710288★➔	32
4.626	4.631	.437	S	*476332	47	4.488	4.496	.551			
4.626	4.631	.437	H	*476332H	47	154.00	154.10	8.00	S	710266★	#
4.626	4.631	.437	N	*476332N	47	6.063	6.067	.315			
4.626	4.631	.437	S	*486332	48	3.687" (3-11/16") SHAFT					
4.626	4.631	.437	N	*486332N	48	-	-	-	S	800950	VRS1
4.626	4.631	.625	S	*415172	41	-	-	-	V	800954	VRS1
4.626	4.631	.625	V	*415172V	41	-	-	.313		99368	Redi-Sleeve
4.626	4.631	.625	S	*455172	45	-	-	.813		*99359	Redi-Sleeve
4.626	4.631	.625	N	*455172N	45	-	-	.813		*99365	Redi-Sleeve
4.626	4.631	.625	V	*455172V	45	4.501	4.506	.500	V	456919V	45
4.695	4.810	.395	S	200603%	200E	4.501	4.506	.500	S	416919	41
4.725	4.730	.312	S	*255833	25	4.501	4.506	.500	N	416919N	41
4.751	4.756	.484	S	*416333	41	4.626	4.631	.625	S	*476124	47
4.751	4.756	.500	T	39703➔	FW-H	4.750	4.756	.500	S	417501	41
4.751	4.756	.500	T	39813➔	W-H	4.999	5.004	.468	L	55030	5L
4.751	4.756	.500	S	415937	41	5.250	5.256	.468	S	416670	41
4.751	4.756	.500	S	*455937	45	5.250	5.256	.468	N	*416670N	41
4.751	4.756	.500	S	*475937	47	5.501	5.506	.500	S	417502	41
4.751	4.756	.500	H	*475937H	47	5.501	5.506	.562	S	*415269	41
4.751	4.756	.500	S	*485937	48	3.720" SHAFT					
4.751	4.756	.562	S	*455486	45	-	-	-	S	800950	VRS1
4.751	4.756	.625	S	*415175	41	-	-	-	V	800954	VRS1
4.751	4.756	.625	S	*455175	45	4.756	4.766	.640	S	*77993T	7S
4.751	4.756	.625	S	*475175	47	3.736" SHAFT					
4.751	4.756	.625	S	*485175	48	-	-	-	S	800950	VRS1
4.810	4.823	.921	S	370012A	07	-	-	-	V	800954	VRS1
4.839	4.844	.500	L	55353	5L	120.00	120.40	13.00	T	712119★➔	FW-H
4.874	4.879	.585	S	485497	48	4.724	4.740	.512			
4.874	4.879	.625	S	*455947	45	3.738" SHAFT					
4.875	4.881	.500	S	417355	41	3.750	4.500	.500	S	*7184%	#
4.875	4.881	.500	S	*457355	45	95,00mm (3.740") SHAFT					
4.875	4.881	.500	S	*477355	47	-	-	-	S	800950	VRS1
4.875	4.881	.500	S	*487355	48	-	-	-	V	800954	VRS1
4.876	4.881	.625	S	*415181	41	-	-	.344		99374	Redi-Sleeve
4.876	4.881	.625	S	*455181	45	-	-	.469		99364	Redi-Sleeve
4.999	5.004	.468	S	*415029	41	-	-	.827		99369	Redi-Sleeve
4.999	5.004	.468	S	*455029	45	95,00mm (3.740") SHAFT					
4.999	5.004	.468	H	*455029H	45	-	-	-	S	800950	VRS1
4.999	5.004	.468	S	*475029	47	-	-	-	V	800954	VRS1
4.999	5.004	.468	S	*485029	48	-	-	.344		99374	Redi-Sleeve
4.999	5.004	.500	S	416125	41	-	-	.469		99364	Redi-Sleeve
4.999	5.004	.500	S	*456125	45	-	-	.827		99369	Redi-Sleeve
4.999	5.004	.500	S	*476125	47	95,00mm (3.740") SHAFT					
4.999	5.004	.500	S	*486125	48	-	-	-	S	800950	VRS1
5.000	5.014	.875	S	370011A	05	-	-	-	V	800954	VRS1
5.251	5.256	.437	S	417499	41	-	-	.344		99374	Redi-Sleeve
5.251	5.256	.468	S	*416335	41	-	-	.469		99364	Redi-Sleeve
5.251	5.256	.468	N	*416335N	41	-	-	.827		99369	Redi-Sleeve
5.251	5.256	.468	V	*416335V	41	95,00mm (3.740") SHAFT					
5.251	5.256	.468	S	*456335	45	-	-	-	S	800950	VRS1
5.251	5.256	.468	S	*476335	47	-	-	-	V	800954	VRS1
5.251	5.256	.468	S	*486335	48	-	-	.344		99374	Redi-Sleeve

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ➔ Hydrodynamic Lip Design-CCW

➔➔ Hydrodynamic Lip Design-Bidirectional % External Bore * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
95,00mm (3.740") SHAFT (cont.)						3.750" (3-3/4") SHAFT (cont.)					
104.72	105.00	13.00	S	*95X105X13★	32	4.626	4.631	.437	S	*476336	47
4.123	4.134	.512				4.626	4.631	.437	S	*486336	48
109.72	110.00	11.00	S	*95X110X11★	32	4.626	4.632	.500	S	*416041	41
4.320	4.331	.433				4.626	4.632	.500	S	*456041	45
109.72	110.00	12.00	S	*95X110X12★	32	4.626	4.632	.500	S	*476041	47
4.320	4.331	.472				4.626	4.632	.500	S	*486041	48
110.00	110.20	10.00	S	95X110X10★	32	95,25mm (3.750") SHAFT					
4.331	4.339	.394				120.37	120.65	12.70	S	*95.25X120.65X12.7★	32
110.00	110.26	11.00	S	717005★◄	32	4.739	4.750	.500			
4.331	4.341	.433				3.750" (3-3/4") SHAFT					
113.00	113.10	10.00	V	710352★◄	47	4.750	4.756	.375	V	*486923V	48
4.449	4.453	.394				4.750	4.756	.500	V	3893V	45
114.99	115.32	12.50	T	*100203T★◄	FW-H	4.750	4.756	.500	T	39608◄	DW-H
4.527	4.540	.492				4.750	4.756	.500	T	39705►	FW-H
115.00	115.20	13.00	V	*95X115X13V★	32	4.750	4.756	.500	T	39837◄	W-H
4.528	4.535	.512				4.751	4.756	.375	N	*486544N	48
115.00	115.25	10.00	S	717006★	45	4.751	4.756	.484	N	*415963N	41
4.528	4.537	.394				4.751	4.756	.484	V	*415963V	41
115.00	115.28	12.00	S	95X115X12★	35	4.751	4.756	.484	H	*455963H	45
4.528	4.539	.472				4.751	4.756	.484	N	*455963N	45
115.00	115.28	13.00	S	*95X115X13★	35	4.751	4.756	.500	H	2218◄	47
4.528	4.539	.512				4.751	4.756	.500	V	*4936V◄	#
115.00	115.32	12.12	T	*600305★◄	#	4.751	4.756	.500	S	415379	41
4.528	4.540	.477				4.751	4.756	.500	H	*415379H	41
115.00	115.31	12.50	V	4359V★◄	32	4.751	4.756	.500	N	*415379N	41
4.528	4.540	.492				4.751	4.756	.500	V	415379V	41
118.00	118.16	8.50	H	710060★◄	32	4.751	4.756	.500	S	455379	45
4.646	4.652	.335				4.751	4.756	.500	H	*455379H	45
119.72	120.00	8.00	S	*95X120X8★	32	4.751	4.756	.500	N	*455379N	45
4.713	4.724	.315				4.751	4.756	.500	V	455379V	45
119.72	120.00	13.00	S	*95X120X13★	32	4.751	4.756	.500	S	*475379	47
4.713	4.724	.512				4.751	4.756	.500	N	*475379N	47
120.00	120.20	12.00	V	*95X120X12V★	35	4.751	4.756	.500	S	*485379	48
4.724	4.732	.472				4.751	4.756	.500	N	*485379N	48
120.00	120.28	12.00	S	95X120X12★	32	4.751	4.756	.500	S	*415177	41
4.724	4.735	.472				4.751	4.756	.500	S	*455177	45
124.72	125.00	13.00	S	*95X125X13★	32	4.751	4.756	.500	S	*475177	47
4.910	4.921	.512				4.751	4.756	.500	N	*485177	48
125.00	125.28	12.00	S	95X125X12★	35	4.751	4.756	.625	S	*415177	41
4.921	4.932	.472				4.751	4.756	.625	S	*455177	45
129.70	130.00	13.00	S	*95X130X13★	32	4.751	4.756	.625	S	*475177	47
5.106	5.118	.512				4.751	4.756	.625	S	*485177	48
130.00	130.28	12.00	S	95X130X12★	32	4.751	4.756	.750	N	*7776N	#
5.118	5.129	.472				4.751	4.756	.875	S	*15379S	1S
130.00	130.28	12.00	S	229520★	35	4.751	4.757	.875	S	*75963S	7S
5.118	5.129	.472				4.875	4.881	.500	S	417205	41
132.00	132.26	12.00	S	710085★	#	4.875	4.881	.500	S	*457205	45
5.197	5.207	.472				4.875	4.881	.500	S	*477205	47
134.70	135.00	13.00	S	*95X135X13★	32	4.875	4.881	.500	S	*487205	48
5.303	5.315	.512				4.876	4.881	.625	S	*415183	41
172.00	172.09	28.00	T	39926★►	W-H	4.876	4.881	.625	S	*455183	45
6.772	6.775	1.102				4.999	5.004	.250	S	45031S	4S
3.750" (3-3/4") SHAFT						4.999	5.004	.468	S	*415031	41
-	-	-	S	800950	VRS1	4.999	5.004	.468	H	*415031H	41
-	-	-	V	800954	VRS1	4.999	5.004	.468	N	*415031N	41
-	-	.344		99367	Redi-Sleeve	4.999	5.004	.468	S	455031	45
-	-	.563		99376	Redi-Sleeve	4.999	5.004	.468	N	*455031N	45
-	-	.688		99372	Redi-Sleeve	4.999	5.004	.468	S	*475031	47
4.375	-	.312	U	710035	#	4.999	5.004	.468	V	*475031V	47
4.499	4.506	.468	V	*4489V	96	4.999	5.004	.468	S	*485031	48
4.499	4.506	.468	S	415983	41	4.999	5.004	.500	S	416339	41
4.499	4.506	.468	N	415983N	41	4.999	5.004	.500	N	*416339N	41
4.499	4.506	.468	V	415983V	41	4.999	5.004	.500	S	*456339	45
4.499	4.506	.468	V	714489	96	4.999	5.004	.500	S	*476339	47
4.500	4.506	.468	V	713750	69	5.000	5.004	.620	S	*486339	48
4.501	4.506	.362	V	2377	35	5.000	5.009	.370	S	*8338	39
4.501	4.506	.362	T	*100205T◄	FW-H	5.251	5.256	.468	S	415150	41
4.624	4.630	.535	S	*8425	#	5.251	5.256	.468	V	*455150V	45
						5.251	5.256	.468	S	*475150	47
						5.251	5.256	.468	S	*485150	48

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ► Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
3.750" (3-3/4") SHAFT (cont.)						3.875" (3-7/8") SHAFT (cont.)					
5.375	5.381	.750	S	*7230	#	4.750	4.756	.500	V	*4340V	#
5.376	5.381	.500	S	416127	41	4.751	4.756	.375	S	417210	41
5.376	5.381	.500	S	*456127	45	4.751	4.756	.484	S	*456343	45
5.501	5.506	.500	S	417503	41	4.751	4.756	.500	S	*456981	45
5.501	5.506	.562	S	*415423	41	4.751	4.756	.625	S	*415179	41
5.501	5.506	.562	S	*455423	45	4.751	4.756	.625	S	*455179	45
5.501	5.506	.562	S	*475423	47	4.751	4.756	.625	N	*455179N	45
5.501	5.506	.562	S	*485423	48	4.751	4.756	.625	S	*475179	47
5.751	5.756	.562	S	*415852	41	4.751	4.756	.625	S	*485179	48
5.751	5.756	.562	S	*455852	45	4.751	4.756	.625	N	*485179N	48
5.751	5.756	.562	S	*475852	47	4.875	4.881	.500	S	*457211	45
5.751	5.756	.562	S	*485852	48	4.875	4.881	.500	S	417211	41
3.753" SHAFT						4.875	4.881	.500	S	*477211	47
-	-	-	S	800950	VRS1	4.875	4.881	.500	S	*487211	48
-	-	-	V	800954	VRS1	4.876	4.881	.500	S	*456626	45
-	-	.344		99367	Redi-Sleeve	4.876	4.881	.625	S	*415185	41
-	-	.688		99372	Redi-Sleeve	4.876	4.881	.625	H	*415185H	41
4.720	4.730	.552	V	*2867V	#	4.876	4.881	.625	N	*415185N	41
96,00mm (3.780") SHAFT						4.876	4.881	.625	N	*415185N	41
-	-	-	S	800950	VRS1	4.876	4.881	.625	S	*455185	45
-	-	-	V	800954	VRS1	4.876	4.881	.625	N	*455185N	45
116.00	116.26	9.00	V	710262★	32	4.876	4.881	.625	N	*455185N	45
4.567	4.577	.354				4.876	4.881	.625	N	*455185N	45
117.00	117.28	12.00	V	710205★	32	4.999	5.004	.468	S	*415033	41
4.606	4.617	.472				4.999	5.004	.468	N	*415033N	41
3.797" SHAFT						4.999	5.004	.468	S	*455033	45
-	-	-	S	800950	VRS1	4.999	5.004	.468	S	*475033	47
-	-	-	V	800954	VRS1	4.999	5.004	.468	S	*485033	48
4.501	4.506	.250	S	8370S	4S	4.999	5.004	.468	V	*485033V	48
3.800" SHAFT						4.999	5.004	.500	S	416345	41
.000	4.590	.394	V	710520	32	4.999	5.004	.500	H	*416345H	41
3.812" (3-13/16") SHAFT						4.999	5.004	.500	S	*456345	45
-	-	-	S	800950	VRS1	4.999	5.004	.500	N	*456345N	45
-	-	-	V	800954	VRS1	4.999	5.004	.500	S	*476345	47
4.751	4.756	.625	S	*455178	45	4.999	5.004	.500	S	*486345	48
4.876	4.881	.500	S	417504	41	5.125	5.131	.500	S	415697	41
4.999	5.004	.468	S	455032	45	5.125	5.131	.500	S	*455697	45
5.251	5.256	.468	S	455189	45	5.125	5.131	.500	S	*475697	47
5.251	5.256	.468	N	*455189N	45	5.125	5.131	.500	S	*485697	48
98,00mm (3.858") SHAFT						5.126	5.131	.625	S	*415547	41
-	-	-	S	800950	VRS1	5.126	5.131	.625	S	455547	45
-	-	-	V	800954	VRS1	5.126	5.131	.625	N	*455547N	45
114.94	115.32	15.75	T	100085★	#	5.126	5.132	.605	S	370033A	06
4.525	4.540	.620				5.250	5.256	.500	S	417366	41
120.00	120.20	13.00	S	98X120X13★	35	5.250	5.256	.500	S	*457366	45
4.724	4.732	.512				5.250	5.256	.500	S	*477366	47
3.875" (3-7/8") SHAFT						5.250	5.256	.500	S	*487366	48
-	-	-	S	801000	VRS1	5.251	5.256	.468	S	*415148	41
-	-	-	V	801004	VRS1	5.251	5.256	.468	S	*455148	45
-	-	.813		99387	Redi-Sleeve	5.251	5.256	.468	S	*475148	47
4.626	4.631	.437	S	*476341	47	5.251	5.256	.468	S	*485148	48
4.626	4.631	.625	S	*416342	41	5.376	5.381	.500	S	415958	41
4.626	4.631	.625	N	*416342N	41	5.376	5.381	.500	S	455958	45
4.686	4.691	.375	N	*476098N	47	5.376	5.381	.985	S	370165A	03
4.750	4.756	.375	S	*476985	47	5.501	5.506	.500	S	417505	41
4.750	4.756	.375	S	*486985	48	5.501	5.506	.562	S	*416128	41
4.750	4.756	.375	V	*486985V	48	5.501	5.506	.562	S	*456128	45
3.880" SHAFT						5.501	5.506	.562	S	*476128	47
-	-	-	S	801000	VRS1	5.501	5.506	.562	S	*486128	48
-	-	-	V	801004	VRS1	5.501	5.515	.875	S	370024A	11
5.690	5.695	.500	S	456618	45	5.690	5.706	.770	T	380023A	10
						5.690	5.706	.875	S	370023A	11
						5.751	5.756	.562	S	416043	41
						5.751	5.756	.562	S	*456043	45
						5.751	5.756	.562	S	*476043	47
						5.751	5.756	.562	S	*486043	48
						6.000	6.006	.390	S	*200188	200
						6.064	6.070	.625	S	*456676	45

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ★ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
3.908" SHAFT						100,00mm (3.937") SHAFT (cont.)					
-	-	-	S	801000	VRS1	129,70	130,00	13,00	S	*100X130X13★	32
-	-	-	V	801004	VRS1	5.106	5.118	.512			
4.875	4.881	.500	S	*416037	41	130,00	130,20	12,00	V	*100X130X12V★	32
3.934" SHAFT						5.118	5.126	.472			
-	-	-	S	801000	VRS1	130,00	130,28	12,00	S	100X130X12★	32
-	-	-	V	801004	VRS1	5.118	5.129	.472			
5.905	5.911	.500	S	476517	47	5.251	5.256	.468	S	455191	45
100,00mm (3.937") SHAFT						134,70	135,00	12,00	S	*100X135X12★	32
-	-	-	S	801000	VRS1	5.303	5.315	.472			
-	-	-	V	801004	VRS1	134,70	135,00	13,00	S	*100X135X13★	32
-	-	.813	99393	Redi-Sleeve		5.303	5.315	.512			
113,72	114,00	10,00	S	*100X114X10★	32	134,70	135,00	14,00	S	*100X135X14★	32
4.477	4.488	.394				5.303	5.315	.551			
114,00	114,10	12,00	S	710410★	47	135,00	135,20	10,00	H	710351★◄	32
4.488	4.492	.472				5.315	5.323	.394			
114,72	115,00	9,00	S	*100X115X9★	32	135,00	135,20	15,00	H	710391★◄	94
4.517	4.528	.354				5.315	5.323	.591			
114,72	115,00	10,00	S	*100X115X10★	32	5.371	5.377	.906	S	6270	21
4.517	4.528	.394				5.372	5.378	1.015	S	370008A	11
114,72	115,00	12,00	S	*100X115X12★	32	5.376	5.381	.500	S	415263	41
4.517	4.528	.472				5.376	5.381	.500	S	*455263	45
119,72	120,00	11,00	S	*100X120X11★	32	5.376	5.381	.500	H	*455263H	45
4.713	4.724	.433				139,70	140,00	12,00	S	*100X140X12★	32
119,72	120,00	13,00	S	*100X120X13★	32	5.500	5.512	.472			
4.713	4.724	.512				139,70	140,00	13,00	S	*100X140X13★	32
120,00	120,20	12,00	V	*100X120X12V★	32	5.500	5.512	.512			
4.724	4.732	.472				5.501	5.506	.500	S	417506	41
120,00	120,25	11,00	T	*712105★◄	W	5.501	5.506	.562	S	*455575	45
4.724	4.734	.433				139,73	139,88	23,80	T	380009A★	03
120,00	120,12	11,00	H	231004★	32	5.501	5.507	.937			
4.724	4.735	.433				5.501	5.507	.937	S	370009A	03
120,00	120,28	12,00	S	231002★	35	145,00	145,10	26,00	N	710278★	#
4.724	4.735	.472				5.709	5.713	1.024			
120,00	120,28	12,00	S	100X120X12★	32	149,70	150,00	10,00	S	*100X150X10★	32
4.724	4.735	.472				5.894	5.906	.394			
120,00	120,30	10,00	S	100X120X10★	35	149,70	150,00	13,00	S	*100X150X13★	32
4.724	4.736	.394				5.894	5.906	.512			
123,85	123,98	12,70	S	417967★	41	5.905	5.911	.500	S	*486517	48
4.876	4.881	.500				3.950" SHAFT					
123,85	123,98	12,70	S	*717003★	41	.000	4.689	.370	V	710526	32
4.876	4.881	.500				101,00mm (3.976") SHAFT					
123,85	123,98	15,88	S	455186★	45	-	-	-	S	801000	VRS1
4.876	4.881	.625				-	-	-	V	801004	VRS1
123,85	124,00	15,88	S	*415186★	41	114,00	114,10	10,00	S	710371★	25
4.876	4.882	.625				4.488	4.492	.394			
124,00	124,20	13,00	V	710290★◄	32	3.977" SHAFT					
4.882	4.890	.512				-	-	-	S	801000	VRS1
124,72	125,00	10,00	S	*100X125X10★	32	-	-	-	V	801004	VRS1
4.910	4.921	.394				5.376	5.381	.500	S	*455608	45
124,72	125,00	13,00	S	*100X125X13★	32	3.992" SHAFT					
4.910	4.921	.512				-	-	-	S	801000	VRS1
125,00	125,20	12,00	V	*100X125X12V★	35	-	-	-	V	801004	VRS1
4.921	4.929	.472				5.875	5.881	.625	S	*417401	41
125,00	125,28	12,00	S	231003★	35	4.000" SHAFT					
4.921	4.932	.472				-	-	-	S	801000	VRS1
125,00	125,28	12,00	S	100X125X12★	32	-	-	-	V	801004	VRS1
4.921	4.932	.472				-	-	.500	99401	Redi-Sleeve	
126,72	127,00	10,00	S	*100X127X10★	32	-	-	.600	99395	Redi-Sleeve	
4.989	5.000	.394				-	-	.650	99400	Redi-Sleeve	
4.999	5.004	.468	S	415034	41	-	-	.813	99399	Redi-Sleeve	
4.999	5.004	.468	S	455034	45	4.104	4.906	.821	S	*7390%	#
4.999	5.004	.468	N	*455034N	45						
4.999	5.004	.468	V	*455034V	45						
4.999	5.004	.500	S	*416350	41						
4.999	5.004	.500	S	*456350	45						
129,70	130,00	10,00	S	*100X130X10★	32						
5.106	5.118	.394									

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◄ Hydrodynamic Lip Design-CCW % External Bore * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
4.000" SHAFT (cont.)						4.000" SHAFT (cont.)					
4.562	4.568	.375	H	*2093H	33	5.501	5.506	.562	S	415036	41
4.562	4.568	.375	S	*335924	33	5.501	5.506	.562	S	*455036	45
4.562	4.568	.375	H	*335924H	33	5.501	5.506	.562	S	*475036	47
4.562	4.568	.375	N	335924N	33	5.501	5.506	.562	S	*485036	48
4.625	4.634	.312	U	710036	#	5.510	5.560	.320	S	*200947%	200E
4.750	4.750	.500	S	*7183%	#	5.626	5.631	.500	S	*415513	41
4.750	4.756	.562	S	457294	45	5.626	5.631	.500	S	455513	45
4.750	4.760	.313	U	710031	#	5.626	5.631	.500	N	*455513N	45
4.876	4.881	.250	S	45187S	4S	5.626	5.632	.375	S	417507	41
4.876	4.881	.625	S	415187	41	5.626	5.632	.605	S	370066A	06
4.921	4.932	.512	H	710061◀	32	5.689	5.695	.500	S	*456873	45
4.998	5.004	.375	N	*457382N	45	5.696	5.700	.850	S	*4269	74
4.998	5.006	.500	S	327215	32	5.751	5.756	.562	S	415041	41
4.999	5.004	.375	S	475845	47	5.751	5.756	.562	N	*415041N	41
4.999	5.004	.468	S	415035	41	5.751	5.756	.562	S	*455041	45
4.999	5.004	.468	N	*415035N	41	5.751	5.756	.562	S	*475041	47
4.999	5.004	.468	V	415035V	41	5.751	5.756	.562	S	*485041	48
4.999	5.004	.468	S	*475035	47	5.755	5.822	.562	S	*4235%	#
4.999	5.004	.468	H	*475035H	47	5.757	5.772	.930	S	370036A	09
4.999	5.004	.468	S	*485035	48	5.757	5.772	.930	T	380036A	10
4.999	5.004	.468	N	*485035N	48	5.757	5.798	.600	S	370349A=	02
4.999	5.004	.468	H	710022	45	5.999	6.005	.500	S	417509	41
4.999	5.004	.469	V	*4713V◀➡	#	5.999	6.007	.625	S	*415201	41
4.999	5.004	.469	V	714713◀➡	96	5.999	6.007	.625	S	*455201	45
4.999	5.004	.500	S	415953	41	5.999	6.007	.625	S	*475201	47
4.999	5.004	.500	H	*415953H	41	5.999	6.007	.625	S	*485201	48
4.999	5.004	.500	N	*415953N	41	6.250	6.256	.500	S	417223	41
4.999	5.004	.500	V	415953V	41	6.250	6.256	.562	S	*415054	41
4.999	5.004	.500	S	*455953	45	6.250	6.256	.562	S	*455054	45
4.999	5.004	.500	H	*455953H	45	6.250	6.256	.562	S	*475054	47
4.999	5.004	.500	N	*455953N	45	6.250	6.256	.562	S	*485054	48
4.999	5.004	.500	S	*475953	47	6.312	6.318	.500	S	*417123	41
4.999	5.004	.500	H	*475953H	47	6.312	6.318	.500	S	*477123	47
4.999	5.004	.500	S	*485953	48	6.375	6.382	.500	S	*476816	47
4.999	5.004	.625	H	*75549H	7S	102,00mm (4.016") SHAFT					
4.999	5.005	.468	S	455035	45	—	—	—	S	801000	VRS1
4.999	5.005	.468	N	455035N	45	—	—	—	V	801004	VRS1
4.999	5.005	.500	T	37939◀	PDW	125,00	125,20	12,00	S	*102X125X12★	32
4.999	5.008	.312	S	345035	34	4.921	4.929	.472			
5.000	5.005	.312	N	*456967N	45	130,00	130,28	13,00	S	102X130X13★	35
5.000	5.005	.312	V	456967V	45	5.118	5.129	.512			
5.000	5.005	.500	T	39723➡	FW-H	4.040" SHAFT					
5.122	5.131	.378	V	*475252V	47	5.122	5.130	.945	S	370198A	09
5.125	5.130	.312	V	*457649V	45	4.050" SHAFT					
5.125	5.131	.500	S	417356	41	—	—	—	S	801000	VRS1
5.125	5.131	.500	S	*457356	45	—	—	—	V	801004	VRS1
5.125	5.131	.500	S	*477356	47	5.501	5.506	.671	S	6864S	45
5.125	5.131	.500	S	*487356	48	4.062" (4-1/16") SHAFT					
5.126	5.131	.625	S	*415188	41	—	—	—	S	801000	VRS1
5.126	5.131	.625	S	455188	45	—	—	—	V	801004	VRS1
5.248	5.254	.605	S	*370087A	06	5.035	5.197	.320	S	*8481%	46
5.250	5.256	.375	N	*456946N	45	5.372	5.378	.627	S	*9586	#
5.250	5.256	.500	S	417357	41	5.500	5.509	.597	S	*2155◀➡	#
5.250	5.256	.500	S	*457357	45	5.501	5.506	.562	S	455037	45
5.250	5.256	.500	S	*477357	47	6.191	6.197	.625	S	*57831	5S
5.250	5.256	.500	S	*487357	48	4.125" (4-1/8") SHAFT					
5.250	5.256	.625	S	*8475	39	—	—	—	S	801000	VRS1
5.251	5.256	.468	S	*415192	41	—	—	—	V	801004	VRS1
5.251	5.256	.468	N	415192N	41	—	—	—			
5.251	5.256	.468	S	455192	45	—	—	.813	S	99412	Redi-Sleeve
5.251	5.256	.468	S	*475192	47	4.999	5.004	.468	N	6565N	41
5.251	5.256	.468	N	*475192N	47	4.999	5.004	.468	S	*415134	41
5.251	5.256	.468	S	*485192	48	4.999	5.004	.468	N	*415134N	41
5.374	5.379	.500	S	*455512	45						
5.375	5.381	.500	S	*476130	47						
5.375	5.381	.500	S	*486130	48						
5.375	5.381	1.000	S	370015A	03						
5.375	5.475	.375	S	*200799%	200E						
5.376	5.381	.500	S	416130	41						
5.376	5.381	.500	S	*456130	45						
5.500	5.506	.500	S	*456887	45						
5.500	5.506	.562	N	*415036N	41						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

◀➡ Hydrodynamic Lip Design-Bidirectional % External Bore = w/Metal ID ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
4.125" (4-1/8") SHAFT (cont.)						4.166" SHAFT (cont.)					
4.999	5.004	.625	H	*77929H	7S	5.625	6.800	.210	S	2064§	#
4.999	5.005	.468	S	*455134	45	106,00mm (4.173") SHAFT					
4.999	5.005	.468	H	*455134H	45	—	—	—	S	801100	VRS1
4.999	5.005	.468	N	*455134N	45	—	—	—	V	801104	VRS1
4.999	5.005	.468	V	*455134V	45	123,00	123,10	11,00	S	710295★	47
4.999	5.005	1.037	T	37921	PDW	4.843	4.846	.433			
5.126	5.131	.625	S	*455393	45	125,72	126,00	12,00	S	*106X126X12★	32
5.126	5.132	.500	S	*417511	41	4.950	4.961	.472			
5.251	5.256	.375	S	*447583	44	126,00	126,20	12,00	H	710366★	32
5.251	5.256	.468	S	*415142	41	4.961	4.969	.472			
5.251	5.256	.468	S	*455142	45	5.374	5.390	.690	T	*78048	7S
5.375	5.381	.605	S	370094A	06	4.187" (4-3/16") SHAFT					
5.375	5.585	1.460	S	*8557	39	—	—	—	S	801100	VRS1
5.501	5.506	.500	S	*417512	41	—	—	—	V	801104	VRS1
5.751	5.756	.562	S	*415043	41	—	—	.813	*99418	Redi-Sleeve	
6.000	6.007	.625	S	455203	45	4.999	5.004	.375	S	*418038	41
6.250	6.256	.562	S	455056	45	4.999	5.004	.468	S	*415295	41
6.296	6.302	.390	S	*200198	200	4.999	5.004	.468	H	*415295H	41
105,00mm (4.134") SHAFT						4.999	5.004	.468	S	*455295	45
—	—	—	S	801000	VRS1	5.125	5.131	.500	V	*455081V	45
—	—	—	V	801004	VRS1	5.250	5.256	.468	H	*485194H	48
—	—	.787		99413	Redi-Sleeve	5.251	5.256	.468	S	*455194	45
120,00	120,20	11,00	H	231052★	32	5.500	5.506	.500	S	*456889	45
4.724	4.732	.433				5.501	5.506	.500	S	417513	41
124,72	125,00	12,00	S	*105X125X12★	32	5.501	5.506	.562	S	*415039	41
4.910	4.921	.472				5.501	5.506	.562	N	*415039N	41
125,00	125,28	13,00	S	105X125X13★	32	5.501	5.506	.562	S	*455039	45
4.921	4.932	.512				5.751	5.756	.500	S	*417514	41
129,70	130,00	13,00	S	*105X130X13★	32	5.751	5.756	.562	S	*415044	41
5.106	5.118	.512				5.751	5.756	.562	S	*455044	45
129,70	130,00	15,00	S	*105X130X15★	32	5.999	6.007	.625	S	*455204	45
5.106	5.118	.591				6.000	6.007	.500	S	417515	41
130,00	130,16	11,00	T	712107★	FW-H	6.000	6.007	.625	S	*416673	41
5.118	5.124	.433				6.000	6.007	.625	N	*416673N	41
130,00	130,20	12,00	V	*105X130X12V★	32	6.250	6.256	.500	S	417516	41
5.118	5.126	.472				6.250	6.256	.500	V	*417516V	41
130,00	130,25	12,00	V	712004★	32	6.250	6.256	.562	S	*455057	45
5.118	5.128	.472				6.373	6.381	.625	S	*455625	45
130,00	130,28	12,00	S	105X130X12★	32	4.250" (4-1/4") SHAFT					
5.118	5.129	.472				—	—	—	S	801100	VRS1
134,70	135,00	13,00	S	*105X135X13★	32	—	—	—	V	801104	VRS1
5.303	5.315	.512				—	—	.813	99424	Redi-Sleeve	
134,70	135,00	14,00	S	*105X135X14★	32	5.125	5.130	.360	S	*3369	#
5.303	5.315	.551				5.250	5.253	.790	S	*77980	7S
134,70	135,00	15,00	S	*105X135X15★	32	5.250	5.256	.250	S	47150S	4S
5.303	5.315	.591				5.250	5.256	.500	S	416556	41
135,00	135,20	12,00	S	*105X135X12★	32	5.250	5.256	.500	S	*456556	45
5.315	5.323	.472				5.250	5.256	.500	S	*476556	47
135,00	135,20	14,50	V	710349★	#	5.250	5.256	.500	S	*486556	48
5.315	5.323	.571				5.250	5.260	.590	S	*7234	#
139,70	140,00	13,00	S	*105X140X13★	32	5.251	5.256	.375	S	*452157	45
5.500	5.512	.512				5.251	5.256	.375	S	*472157	47
139,70	140,00	15,00	S	*105X140X15★	32	5.251	5.256	.375	N	*482157N	48
5.500	5.512	.591				5.251	5.256	.468	S	*415195	41
140,00	140,28	12,00	S	105X140X12★	32	5.251	5.256	.468	N	*415195N	41
5.512	5.523	.472				5.251	5.256	.468	S	455195	45
144,70	145,00	15,00	S	*105X145X15★	32	5.251	5.256	.468	H	*455195H	45
5.697	5.709	.591				5.251	5.256	.468	V	*455195V	45
145,00	145,20	12,00	S	*105X145X12★	32	5.251	5.256	.468	S	*475195	47
5.709	5.717	.472				5.251	5.256	.468	N	*475195N	47
160,00	160,20	15,00	S	*105X160X15★	32	5.251	5.256	.468	S	*485195	48
6.299	6.307	.591				5.251	5.256	.468	H	485195H	48
4.166" SHAFT						5.251	5.256	.625	S	*415712	41
—	—	—	S	801100	VRS1	5.251	5.256	.625	S	*455712	45
—	—	—	V	801104	VRS1	5.251	5.256	.625	N	*455712N	45
5.500	5.506	.605	S	370106A	06						
5.501	5.506	.600	S	9128S	45						
5.502	5.506	.600	S	*2082	45						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➤ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW
◀➤ Hydrodynamic Lip Design-Bidirectional § Inside Diameter-Rides On Ball * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
4.250" (4-1/4") SHAFT (cont.)						4.312" (4-5/16") SHAFT (cont.)					
5.375	5.381	.500	S	*475196	47	5.751	5.756	.562	S	*455046	45
5.376	5.381	.500	S	*415196	41	5.999	6.005	.500	S	*416144	41
5.376	5.381	.500	H	*415196H	41	5.999	6.007	.625	S	*455206	45
5.376	5.381	.500	N	*415196N	41	6.250	6.256	.500	S	*417238	41
5.376	5.381	.500	S	*455196	45	6.250	6.256	.562	S	*455059	45
5.376	5.381	.500	N	*455196N	45	6.250	6.256	.562	N	*455059N	45
5.376	5.381	.500	S	*485196	48	4.330" SHAFT					
5.500	5.506	.500	S	*416891	41	5.118	5.130	.396	V	325776	32
5.500	5.506	.500	S	*456891	45	110,00mm (4.331") SHAFT					
5.500	5.506	.500	S	*476891	47	—	—	—	S	801100	VRS1
5.500	5.506	.500	S	*486891	48	—	—	—	V	801104	VRS1
5.501	5.506	.562	S	*415040	41	—	—	.509		99435	Redi-Sleeve
5.501	5.506	.562	N	*415040N	41	124,72	125,00	12,00	S	*110X125X12★	32
5.501	5.506	.562	S	*455040	45	4,910	4,921	.472			
5.501	5.506	.562	H	*455040H	45	129,70	130,00	13,00	S	*110X130X13★	32
5.501	5.506	.562	N	*455040N	45	5,106	5,118	.512			
5.501	5.506	.562	S	*475040	47	130,00	130,18	12,70	V	2261★	32
5.501	5.506	.562	S	*485040	48	5,118	5,125	.500			
5.625	5.631	.500	S	*476135	47	130,00	130,20	12,00	V	*110X130X12V★	32
5.625	5.631	.500	S	*486135	48	5,118	5,126	.472			
5.626	5.631	.500	S	*416135	41	130,00	130,28	12,00	S	110X130X12★	32
5.626	5.631	.500	S	*456135	45	5,118	5,129	.472			
5.751	5.756	.562	S	*415045	41	130,00	130,40	13,00	T	712112★	W
5.751	5.756	.562	S	*455045	45	5,118	5,134	.512			
5.751	5.756	.562	S	*475045	47	135,00	135,20	12,00	S	*110X135X12★	32
5.751	5.756	.562	S	*485045	48	5,315	5,323	.472			
5.876	5.881	.500	V	*457661V	45	135,00	135,30	13,00	S	110X135X13★	32
5.876	5.881	.625	S	*416136	41	5,315	5,327	.512			
5.876	5.881	.625	N	*416136N	41	139,70	140,00	14,00	S	*110X140X14★	32
5.876	5.881	.625	N	*456136N	45	5,500	5,512	.551			
5.876	5.881	.625	V	*456136V	45	140,00	140,23	13,00	S	110X140X13★	32
5.999	6.005	.500	S	*416137	41	5,512	5,521	.512			
5.999	6.007	.625	S	*415205	41	140,00	140,28	12,00	S	110X140X12★	32
5.999	6.007	.625	S	*455205	45	5,512	5,523	.472			
5.999	6.007	.625	N	*455205N	45	140,00	140,28	12,00	V	*110X140X12V★	32
5.999	6.007	.625	S	*475205	47	5,512	5,523	.472			
5.999	6.007	.625	S	*485205	48	144,70	145,00	14,00	S	*110X145X14★	32
6.000	6.008	1.000	T	380065A	10	5,697	5,709	.551			
6.008	6.022	1.000	S	370065A	09	145,00	145,20	12,00	S	*110X145X12★	32
6.035	6.047	.915	S	370107A	03	5,709	5,717	.472			
6.048	6.048	.680	S	376590A=	04	145,00	145,30	13,00	S	110X145X13★	35
6.126	6.133	.500	S	*417518	41	5,709	5,720	.512			
6.127	6.132	.625	S	*455473	45	149,70	150,00	13,00	S	*110X150X13★	32
6.250	6.256	.562	S	*415058	41	5,894	5,906	.512			
6.250	6.256	.562	S	*455058	45	150,00	150,28	15,00	S	110X150X15★	35
6.250	6.256	.562	S	*475058	47	5,906	5,917	.591			
6.250	6.256	.562	S	*485058	48	155,00	155,20	15,00	S	*110X155X15★	32
6.250	6.256	1.188	S	370031A	09	6,102	6,110	.591			
6.250	6.256	1.188	T	380031A	10	159,70	160,00	12,00	S	*110X160X12★	32
6.750	6.757	.625	S	*417452	41	6,287	6,299	.472			
108,00mm (4.252") SHAFT						160,00	160,20	15,00	S	*110X160X15★	32
—	—	—	S	801100	VRS1	6,299	6,307	.591			
—	—	—	V	801104	VRS1	166,70	167,00	17,00	S	*110X167X17★	32
—	—	.813		99424	Redi-Sleeve	6,563	6,575	.669			
153,62	153,62	17,27	T	386590A★	10	169,70	170,00	12,00	S	*110X170X12★	32
6.007	6.048	.580				6,681	6,693	.472			
4.265" SHAFT						170,00	170,18	12,70	S	476518★	47
6.064	6.071	.605	S	370030A	06	6,693	6,700	.500			
4.312" (4-5/16") SHAFT						4.375" (4-3/8") SHAFT					
—	—	—	S	801100	VRS1	—	3.127	.500	S	*55522	5S
—	—	—	V	801104	VRS1	5.373	5.500	.570	N	7354N%	8S
5.376	5.381	.500	S	*456141	45	5.373	5.500	.570	V	7354V%	8S
5.501	5.506	.562	S	455197	45	5.375	—	.500	S	*4291	#
5.501	5.506	.562	N	455197N	45	5.375	5.425	.500	V	4291V%	#
5.501	5.506	.562	H	*485197H	48	5.376	5.381	.500	S	415425	41
5.751	5.756	.500	S	*417520	41	5.376	5.381	.500	V	*415425V	41

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CCW % External Bore = w/Metal ID

★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
4.375" (4-3/8") SHAFT (cont.)						114,00mm (4.488") SHAFT (cont.)					
5.500	5.506	.500	S	416380	41	—	—	—	V	801104	VRS1
5.500	5.506	.500	S	*456380	45	135.00	135.25	13.00	S	713163★	47
5.500	5.506	.500	S	*476380	47	5.315	5.325	.512			
5.500	5.506	.500	S	*486380	48	140.00	140.28	13.00	S	114X140X13★	32
5.501	5.506	.500	T	39849➡	FW-H	5.512	5.523	.512			
5.501	5.506	.562	S	*3203	47	4.500" (4-1/2") SHAFT					
5.501	5.506	.562	S	*415198	41	5.250	5.256	.437	S	*335821	33
5.501	5.506	.562	H	*415198H	41	5.250	5.256	.437	H	*335821H	33
5.501	5.506	.562	S	*455198	45	5.251	5.259	.437	S	327303	32
5.501	5.506	.562	N	*455198N	45	5.374	5.391	.984	S	370124A	07
5.501	5.506	.562	S	*475198	47	5.375	5.381	.531	S	*456494	45
5.501	5.506	.562	S	*485198	48	5.376	5.381	.437	S	417530	41
5.626	5.631	.500	S	416147	41	5.500	5.506	.500	S	416888	41
5.751	5.756	.562	S	415047	41	5.500	5.506	.500	S	*456888	45
5.751	5.756	.562	S	*455047	45	5.500	5.506	.500	N	*456888N	45
5.751	5.756	.562	S	*475047	47	5.500	5.506	.500	V	*456888V	45
5.751	5.756	.562	S	*485047	48	5.500	5.506	.500	S	*476888	47
5.755	5.705	.840	T	*100253&	#	5.500	5.506	.500	S	*486888	48
5.757	5.763	1.000	S	370037A	03	5.500	5.506	.500	H	*486888H	48
5.757	5.798	.600	S	370338A=	02	5.500	5.506	.562	S	455200	45
5.905	5.910	1.000	S	370182A	08	5.500	5.506	.562	N	455200N	45
5.905	5.911	1.000	S	370048A	03	5.500	5.506	.562	V	*455200V	45
5.905	5.918	1.015	T	380048A	10	5.500	5.507	.500	V	416888V	41
5.999	6.005	.500	S	416149	41	5.500	5.515	.675	S	370178A	07
5.999	6.007	.500	N	*476149N	47	5.501	5.506	.500	N	*456030N	45
5.999	6.007	.625	S	*415207	41	5.501	5.506	.562	S	*3275	47
5.999	6.007	.625	S	*455207	45	5.501	5.506	.562	F	*295200	29
5.999	6.007	.625	S	*475207	47	5.501	5.506	.562	S	*415200	41
5.999	6.007	.625	S	*485207	48	5.501	5.506	.562	N	*415200N	41
6.064	6.071	.625	S	*455861	45	5.501	5.506	.562	V	*415200V	41
6.064	6.071	.625	S	6635S	45	5.501	5.506	.562	S	*475200	47
6.125	6.131	.500	S	417522	41	5.501	5.506	.562	S	*485200	48
6.125	6.131	.500	V	*417522V	41	5.501	5.507	.380	S	*477439	47
6.125	6.131	.562	S	*456150	45	5.501	5.511	.500	S	355200	35
6.127	6.132	.625	S	*415573	41	5.512	5.518	.562	S	*455943	45
6.250	6.256	.562	L	*55060	5L	5.625	5.631	.500	S	416153	41
6.250	6.256	.562	S	*55060S	5S	5.625	5.631	.500	V	*416153V	41
6.250	6.256	.562	S	415060	41	5.625	5.631	.500	S	456153	45
6.250	6.256	.562	S	455060	45	5.625	5.631	.500	S	*476153	47
6.250	6.256	.562	S	*475060	47	5.625	5.631	.500	S	*486153	48
6.250	6.256	.562	S	*485060	48	5.750	5.756	.500	S	416892	41
6.251	6.256	.605	S	370019A	06	5.750	5.756	.500	S	*456892	45
6.311	6.317	1.090	S	370034A	03	5.750	5.756	.500	S	*476892	47
112,00mm (4.409") SHAFT						5.750	5.756	.562	S	*455049	45
—	—	—	S	801100	VRS1	5.750	5.756	.960	S	370022A	09
—	—	—	V	801104	VRS1	5.750	5.756	.960	T	380022A	10
135.00	135.20	15.00	S	*112X135X15★	32	5.751	5.756	.562	S	*415049	41
5.315	5.323	.591				5.751	5.756	.562	S	*475049	47
140.00	140.32	13.00	S	112X140X13★	35	5.751	5.756	.562	S	*485049	48
5.512	5.524	.512				5.751	5.870	.250	S	*7042S%	#
141.70	142.00	14.00	S	*112X142X14★	32	5.876	5.881	.500	S	417531	41
5.579	5.591	.551				5.876	5.881	.625	S	*415342	41
145.00	145.20	15.00	S	*112X145X15★	32	5.876	5.881	.625	S	*455342	45
5.709	5.717	.591				5.876	5.892	.984	S	370131A	11
150.00	150.20	15.00	S	*112X150X15★	32	5.876	5.892	.984	T	380131A	10
5.906	5.913	.591				5.999	6.007	.500	S	416154	41
4.437" (4-7/16") SHAFT						5.999	6.007	.500	S	*476154	47
—	—	—	S	801100	VRS1	5.999	6.007	.625	S	*415209	41
—	—	—	V	801104	VRS1	5.999	6.007	.625	N	*415209N	41
—	—	1.000	S	*99439	Redi-Sleeve	5.999	6.007	.625	S	*475209	47
5.500	5.506	.500	S	417295	41	5.999	6.007	.625	S	*485209	48
5.500	5.506	.562	S	457295	25	6.000	6.007	.984	S	370020A	03
5.751	5.756	.500	S	417525	41	6.001	6.007	.500	S	*456800	45
5.999	6.007	.500	S	417526	41	6.001	6.007	.625	S	*455209	45
114,00mm (4.488") SHAFT						6.125	6.131	.562	S	416070	41
—	—	—	S	801100	VRS1	6.127	6.132	.562	S	*455601	45
						6.250	6.256	.500	S	415351	41
						6.250	6.256	.500	S	*455351	45

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ⬅ Hydrodynamic Lip Design-CCW % External Bore
 & Flanged O.D. = w/Metal ID * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
4.500" (4-1/2") SHAFT (cont.)						116,00mm (4.567") SHAFT					
6.250	6.256	.562	S	*415062	41	131,70	132,00	12,00	S	*116X132X12★	32
6.250	6.256	.562	H	*415062H	41	5.185	5.197	.472			
6.250	6.256	.562	S	455062	45	116,50mm (4.587") SHAFT					
6.250	6.256	.562	N	*455062N	45	135,00	135,30	13,00	V	*355590V★↔↔	35
6.250	6.256	.562	S	*475062	47	5.315	5.327	.512			
6.250	6.256	.562	S	*485062	48	4.625" (4-5/8") SHAFT					
6.250	6.257	.820	S	*9587&	#	-	-	.438		*99465	Redi-Sleeve
6.251	6.265	.610	S	370021A	09	-	-	1.000		99463	Redi-Sleeve
6.305	6.313	.954	S	*2704	#	.000	5.998	.580	T	386025A	10
6.307	6.313	1.141	S	*9907	Redi-Sleeve	5.500	5.506	.562	H	456641	45
6.310	6.316	1.175	S	370086A	03	5.501	5.506	.655	H	*77558H	7S
6.374	6.382	.500	S	*417532	41	5.625	5.631	.500	S	*416156	41
6.374	6.382	.625	S	*455325	45	5.751	5.756	.500	S	*415634	41
6.441	6.447	.937	S	370192A	03	5.751	5.756	.562	S	*415371	41
6.622	6.629	1.093	S	370078A	03	5.751	5.756	.562	N	*415371N	41
115,00mm (4.528") SHAFT						5.751	5.756	.562	S	*455371	45
-	-	-	S	801100	VRS1	5.751	5.756	.562	N	*455371N	45
-	-	-	V	801104	VRS1	5.751	5.756	.562	S	*475371	47
-	-	.813		99452	Redi-Sleeve	5.751	5.756	.562	S	*485371	48
135,00	135,20	10,00	V	710258★↔	32	5.875	5.881	.625	S	455685	45
5.315	5.323	.394				5.875	5.881	.625	N	*455685N	45
135,00	135,20	15,00	S	*115X135X15★	32	5.999	6.005	.937	T	380025A	10
5.315	5.323	.591				5.999	6.006	.890	S	370216A	11
139,70	140,00	13,00	S	*115X140X13★	32	5.999	6.007	.500	S	*416158	41
5.500	5.512	.512				5.999	6.007	.500	S	*476158	47
139,70	140,00	14,00	S	*115X140X14★	32	5.999	6.007	.625	S	*455211	45
5.500	5.512	.551				5.999	6.007	.625	S	*475211	47
140,00	140,20	12,00	V	*115X140X12V★	35	5.999	6.007	.625	S	*485211	48
5.512	5.520	.472				5.999	6.008	.840	S	370025A	11
140,00	140,28	12,00	S	115X140X12★	32	6.000	7.125	.987	H	*8548H	#
5.512	5.523	.472				6.001	6.007	.625	S	*415211	41
144,70	145,00	16,00	S	*115X145X16★	32	6.125	6.131	.562	S	*415970	41
5.697	5.709	.630				6.125	6.131	.562	H	*415970H	41
145,00	145,20	14,00	S	115X145X14★↔↔	32	6.186	6.192	1.250	V	*2505V	89
5.709	5.717	.551				6.186	6.192	1.250	S	2505	89
145,00	145,20	15,00	S	*115X145X15★	32	6.250	6.256	.500	S	*417246	41
5.709	5.717	.591				6.250	6.256	.562	S	415064	41
145,00	145,30	13,00	S	115X145X13★	35	6.250	6.256	.562	S	*455064	45
5.709	5.720	.512				6.250	6.256	.562	S	*475064	47
146,20	146,50	13,00	S	*115X146.5X13★	32	6.250	6.256	.562	S	*485064	48
5.756	5.768	.512				6.250	6.257	.550	S	*9588&	#
149,70	150,00	15,00	S	*115X150X15★	32	6.622	6.629	1.093	S	6886S	21
5.894	5.906	.591				6.622	6.629	1.093	S	7700S	21
150,00	150,28	12,00	S	115X150X12★	35	6.622	6.629	1.093	S	370051A	03
5.906	5.917	.472				4.635" SHAFT					
155,00	155,20	15,00	S	*115X155X15★	32	6.007	6.014	.937	S	370026A	03
6.102	6.110	.591				118,00mm (4.646") SHAFT					
156,00	156,10	28,00	S	710372★	#	5.751	5.756	.500	T	39952★	FW-H
6.142	6.146	1.102				173,00	173,80	28,00	S	710089★	#
158,70	159,00	14,00	S	*115X159X14★	32	6.811	6.843	1.102			
6.248	6.260	.551				4.647" SHAFT					
160,00	160,20	15,00	S	*115X160X15★	32	6.309	6.318	.625	S	*4591	#
6.299	6.307	.591				4.687" (4-11/16") SHAFT					
4.550" SHAFT						-	-	.812		99468	Redi-Sleeve
5.500	5.570	.350	S	*200856%	200	5.750	5.762	.565	V	*325378↔↔	32
5.500	5.662	.350	S	*8482	#	5.751	5.756	.500	S	*415284	41
4.562" (4-9/16") SHAFT						5.751	5.756	.562	S	*455378	45
5.312	5.317	.250	S	*447722	44	5.751	5.756	.562	H	455378H	45
5.512	5.517	.250	S	*447717	44	5.751	5.756	.562	N	*455378N	45
5.751	5.756	.500	S	*417533	41						
5.999	6.007	.500	S	417534	41						
6.250	6.256	.500	S	457585	45						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CCW ↔ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
4.687" (4-11/16") SHAFT (cont.)					
5.751	5.756	.750	S	6329S	7S
5.999	6.007	.500	S	417535	41
6.001	6.007	.280	S	*487806	48
6.002	6.007	.250	S	45637S	4S
6.250	6.256	.500	S	417536	41
6.374	6.382	.500	S	417537	41
6.500	6.514	.500	T	*325277T➔	32
6.500	6.514	.500	T	*325277TL➔	32
6.850	6.865	.551	S	*4610	35

4.720" SHAFT					
-	-	.787		99473	Redi-Sleeve
6.312	6.318	.473	S	*457734	45

120,00mm (4.724") SHAFT					
-	-	.787		99473	Redi-Sleeve
139.70	140.00	12.00	S	*120X140X12★	32
5.500	5.512	.472			
139.70	140.00	15.00	S	*120X140X15★	32
5.500	5.512	.591			
140.00	140.21	10.50	S	710084★	47
5.512	5.520	.413			
140.00	140.20	13.00	T	712106★	32
5.512	5.520	.512			
140.00	140.25	12.00	S	717004★	48
5.512	5.522	.472			
140.00	140.28	13.00	S	120X140X13★	32
5.512	5.523	.512			
140.00	140.30	13.00	V	712003★➔	32
5.512	5.524	.512			
145.00	145.28	12.00	S	120X145X12★	35
5.709	5.720	.472			
145.00	145.28	12.00	S	231204★	35
5.709	5.720	.472			
145.70	146.00	13.00	S	*120X146X13★	32
5.736	5.748	.512			
146.20	146.50	13.00	S	*120X146.5X13★	32
5.756	5.768	.512			
149.70	150.00	13.00	S	*120X150X13★	32
5.894	5.906	.512			
149.70	150.00	14.00	S	*120X150X14★	32
5.894	5.906	.551			
149.70	150.00	15.00	S	*120X150X15★	32
5.894	5.906	.591			
150.01	150.16	14.99	S	370220A★	11
5.906	5.912	.590			
150.00	150.20	12.00	V	*120X150X12V★	32
5.906	5.913	.472			
150.00	150.28	12.00	S	120X150X12★	32
5.906	5.917	.472			
154.70	155.00	14.00	S	*120X155X14★	32
6.090	6.102	.551			
154.70	155.00	16.00	S	*120X155X16★	32
6.090	6.102	.630			
155.00	155.20	15.00	S	*120X155X15★	32
6.102	6.110	.591			
158.70	159.00	14.00	S	*120X159X14★	32
6.248	6.260	.551			
159.70	160.00	15.00	S	*120X160X15★	32
6.287	6.299	.591			
160.00	160.20	12.00	V	*120X160X12V★	35
6.299	6.307	.472			
160.00	160.28	12.00	S	120X160X12★	32
6.299	6.310	.472			
179.67	180.00	15.00	S	*120X180X15★	32
7.074	7.087	.591			

4.740" SHAFT					
-	7.575	.410	S	*6701	#
-	7.625	.410	S	*6701SS0	#

4.750" (4-3/4") SHAFT					
-	-	.500		99475	Redi-Sleeve
5.375	-	.312	U	*710037	#
5.750	5.756	.500	S	*415138	41
5.750	5.756	.500	H	*415138H	41
5.750	5.756	.500	N	*415138N	41
5.750	5.756	.500	S	*455138	45
5.750	5.756	.500	N	*455138N	45
5.750	5.756	.500	S	*475138	47
5.750	5.756	.500	H	*475138H	47
5.750	5.756	.500	S	*485138	48
5.750	5.757	.562	V	*455053V	45
5.751	5.756	.500	V	*485138V	48
5.751	5.756	.500	V	714750	48
5.751	5.756	.562	S	*415053	41
5.751	5.756	.562	H	*415053H	41
5.751	5.756	.562	N	*415053N	41
5.751	5.756	.562	V	*415053V	41
5.751	5.756	.562	S	*475053	47
5.751	5.756	.562	S	*485053	48
5.751	5.757	.562	S	*455053	45
5.751	5.757	.562	H	*455053H	45
5.751	5.757	.562	N	*455053N	45
5.876	5.881	.500	S	*417538	41
5.876	5.881	.500	V	*417538V	41
5.876	5.881	.625	S	*455233	45
5.999	6.006	.562	H	*416122H	41
5.999	6.006	.562	H	*476122H	47
5.999	6.007	.625	S	*415213	41
5.999	6.007	.625	N	*415213N	41
5.999	6.007	.625	S	*455213	45
5.999	6.007	.625	S	*475213	47
5.999	6.007	.625	S	*485213	48
6.000	6.006	.500	V	*487250V	48
6.000	6.006	.562	T	39732➔	W-H
6.000	6.006	.562	T	39825➔	FW-H
6.000	6.006	.562	T	39827➔	DW-H
6.001	6.007	.500	N	*457247N	45
6.001	6.007	.500	S	*417247	41
6.001	6.007	.500	S	*457247	45
6.001	6.007	.500	S	*477247	47
6.001	6.007	.500	S	*487247	48
6.002	6.092	.285	S	*200642%	200
6.125	6.131	.500	S	*41752	41
6.125	6.131	.562	S	*456160	45
6.127	6.132	.625	S	*455258	45
6.186	6.192	1.250	S	3100	89
6.250	6.256	.500	S	*416866	41
6.250	6.256	.562	S	*415066	41
6.250	6.256	.562	S	*455066	45
6.250	6.256	.562	S	*475066	47
6.250	6.256	.562	S	*485066	48
6.437	6.457	.359	S	*200875%	200E
6.618	6.625	1.141	S	6663S	89
6.619	6.625	1.150	S	*4139	#
6.625	6.632	.625	S	*455375	45

4.759" SHAFT					
6.280	6.334	.312	S	*9572%	#

4.765" SHAFT					
5.999	6.006	1.031	S	370181A	01
6.250	6.257	1.050	S	370173A	01
6.251	6.265	.605	S	370005A	09
6.311	6.318	1.078	S	370003A	11
6.311	6.318	1.132	T	380003A	10

SIZE SECTION

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ➔ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
4.765" SHAFT (cont.)					
6.999	7.006	1.250	S	370006A	03
4.768" SHAFT					
6.999	7.039	.735	S	*370224A	02
122,00mm (4.803") SHAFT					
139,70	140,00	13,00	S	*122X140X13★	32
5.500	5.512	.512			
4.812" (4-13/16") SHAFT					
5.543	5.551	.472	V	712449◄	32
5.544	5.552	.535	H	3341◄	100
5.750	5.762	.580	T	*327934◄➡	32
5.751	5.756	.562	S	*455251	45
5.751	5.756	.562	H	455251H	45
5.751	5.756	.562	N	*455251N	45
5.751	5.756	.750	S	75251S	7S
5.751	5.757	.512	S	*78021➡	7S
5.751	5.757	.812	S	*78021T◄	7S
5.999	6.007	.500	S	416163	41
5.999	6.007	.500	S	*476163	47
5.999	6.007	.625	S	*455214	45
6.000	6.010	.250	S	*345214	34
6.000	6.010	.250	H	*345214H	34
6.250	6.256	.500	S	456890	45
6.250	6.256	.562	S	*455067	45
6.311	6.316	1.062	S	370027A	03
6.499	6.507	.625	S	*455614	45
6.500	6.507	.865	S	370004A	03
4.835" SHAFT					
5.749	5.756	.375	T	39954◄	DW-H
4.875" (4-7/8") SHAFT					
5.750	5.756	.500	V	*487063V	48
5.999	6.007	.500	S	*416167	41
5.999	6.007	.500	N	*416167N	41
5.999	6.007	.500	S	*456167	45
5.999	6.007	.500	S	*486167	48
5.999	6.007	.500	H	*486167H	48
5.999	6.007	.625	S	*415091	41
5.999	6.007	.625	S	455091	45
5.999	6.007	.625	H	*455091H	45
5.999	6.007	.625	S	*475091	47
5.999	6.007	.625	S	*485091	48
6.000	6.006	.562	S	*416621	41
6.000	6.006	.562	N	*416621N	41
6.000	6.006	.562	V	*456621V	45
6.000	6.006	.562	H	*476621H	47
6.001	6.015	.625	S	370195A	07
6.125	6.131	.500	S	417267	41
6.125	6.131	.562	S	*456168	45
6.127	6.132	.625	S	*455217	45
6.250	6.256	.500	S	*417269	41
6.250	6.256	.562	S	*415068	41
6.250	6.256	.562	N	*415068N	41
6.250	6.256	.562	S	455068	45
6.250	6.256	.562	N	*455068N	45
6.250	6.256	.562	S	*475068	47
6.250	6.256	.562	S	*485068	48
6.250	6.256	.812	S	*395068	#
6.373	6.379	.921	S	370007A	03
6.375	6.625	.500	S	7866S	75
6.437	6.444	.921	S	370057A	03
6.500	6.506	1.000	S	370121A	03
6.622	6.629	1.000	S	370109A	03

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
124,00mm (4.882") SHAFT					
146,00	146,10	14,00	S	710405★	47
5.748	5.752	.551			
158,70	159,00	14,00	S	*124X159X14★	32
6.248	6.260	.551			
169,70	170,00	14,50	S	*124X170X14.5★	32
6.681	6.693	.571			
170,00	—	14,50	S	710381★%	#
6.693	—	.571			
125,00mm (4.921") SHAFT					
—	—	—	S	801300	VRS1
—	—	—	V	801304	VRS1
—	—	.394	*99490	Redi-Sleeve	
—	—	1.024	99492	Redi-Sleeve	
140,00	140,18	7,00	S	*315286★	31
5.512	5.519	.276			
144,70	145,00	13,00	S	*125X145X13★	32
5.697	5.709	.512			
146,20	146,50	13,00	S	*125X146.5X13★	32
5.756	5.768	.512			
149,70	150,00	13,00	S	*125X150X13★	32
5.894	5.906	.512			
149,70	150,00	14,00	S	*125X150X14★	32
5.894	5.906	.551			
149,70	150,00	15,00	S	*125X150X15★	32
5.894	5.906	.591			
150,00	150,20	12,00	V	*125X150X12V★	32
5.906	5.913	.472			
150,00	150,28	12,00	S	125X150X12★	32
5.906	5.917	.472			
150,00	150,28	12,00	S	231250★	35
5.906	5.917	.472			
154,70	155,00	14,00	S	*125X155X14★	32
6.090	6.102	.551			
155,00	155,20	12,00	S	125X155X12★	32
6.102	6.110	.472			
155,00	155,20	15,00	S	*125X155X15★	32
6.102	6.110	.591			
159,70	160,00	15,00	S	*125X160X15★	32
6.287	6.299	.591			
160,00	160,28	12,00	S	125X160X12★	32
6.299	6.310	.472			
170,00	170,20	15,00	S	125X170X15★	32
6.693	6.701	.591			
4.937" (4-15/16") SHAFT					
—	—	—	S	801300	VRS1
—	—	—	V	801304	VRS1
5.999	6.007	.500	S	*417539	41
5.999	6.007	.625	S	*455216	45
6.131	6.136	.562	S	*455591	45
6.250	6.256	—	S	*6690	#
6.250	6.256	.500	S	*417273	41
6.250	6.256	.562	S	*455069	45
6.374	6.382	.500	S	417540	41
6.374	6.382	.625	S	*455247	45
4.993" SHAFT					
—	—	—	S	801300	VRS1
—	—	—	V	801304	VRS1
6.000	6.006	.413	T	39881◄	FW-H
5.000" SHAFT					
—	—	—	S	801300	VRS1
—	—	—	V	801304	VRS1
—	—	.688	99498	Redi-Sleeve	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◄ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄ Hydrodynamic Lip Design-Bidirectional % External Bore * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
5.000" SHAFT (cont.)						5.000" SHAFT (cont.)					
-	-	.813		99499	Redi-Sleeve	6.874	6.882	.500	V	*417543V	41
5.750	-	.313	U	710032	#	6.877	6.884	.625	S	415897	41
5.750	5.758	.437	N	*712137	33	6.877	6.884	.625	N	*415897N	41
5.751	5.756	.500	T	*3492	48	6.997	7.003	1.093	V	*4144V	90
5.751	5.756	.500	V	3492V	48	7.000	7.006	1.000	S	*370154A	03
5.999	6.006	.413	T	39880	94	7.000	7.007	.500	S	417544	41
5.999	6.006	.717	T	*5721	90	7.000	7.008	.625	S	*416176	41
5.999	6.007	.500	S	*475725	47	7.000	7.015	1.130	V	370215A	#
5.999	6.007	.500	N	*475725N	47	7.437	7.444	.605	S	370038A	06
5.999	6.007	.500	H	*485725H	48	7.500	7.507	.500	S	417545	41
5.999	6.007	.500	N	*485725N	48	7.500	7.507	.562	S	*415460	41
5.999	6.007	.625	S	*415271	41	7.500	7.507	.562	N	*415460N	41
5.999	6.007	.625	H	*415271H	41	7.500	7.507	.562	S	*455460	45
5.999	6.007	.625	N	*415271N	41	7.500	7.507	.875	N	*4048N	#
5.999	6.007	.625	S	*455271	45	128,00mm (5.039") SHAFT					
5.999	6.007	.625	N	*455271N	45	-	-	-	S	801300	VRS1
5.999	6.007	.625	S	*475271	47	-	-	-	V	801304	VRS1
5.999	6.007	.625	S	*485271	48	146.00	146.10	10.00	S	710411★	47
5.999	6.007	.937	S	*215271	21	5.748	5.752	.394			
6.000	6.006	.413	T	39801	FW-H	150.00	150.28	15.00	S	*128X150X15★	35
152.40	152.80	15.00	T	712109★	FW-H	5.906	5.917	.591			
6.000	6.016	.591				5.062" (5-1/16") SHAFT					
6.001	6.006	.500	H	*3782	#	-	-	-	S	801300	VRS1
6.001	6.006	.500	H	*715000	#	-	-	-	V	801304	VRS1
6.001	6.007	.500	S	415725	41	6.374	6.382	.625	S	455290	45
6.001	6.007	.500	N	*415725N	41	6.994	7.004	1.312	L	7378	5L
6.001	6.007	.500	S	*455725	45	7.874	7.881	.500	S	*476519	47
6.001	6.007	.500	N	*455725N	45	130,00mm (5.118") SHAFT					
6.001	6.007	.500	S	*485725	48	-	-	-	S	801300	VRS1
6.001	6.007	.625	V	*455271V	45	-	-	-	V	801304	VRS1
6.003	6.009	.500	H	*416801H	41	-	-	.750		99494	Redi-Sleeve
6.003	6.009	.500	H	*476801H	47	-	-	.866		99491	
6.125	6.131	.500	T	39958	FW-H	149.70	150.00	12.00	S	*130X150X12★	32
6.126	6.131	.562	S	417584	41	5.894	5.906	.472			
6.250	6.256	.250	S	204509	204	149.70	150.00	13.00	S	*130X150X13★	32
6.250	6.256	.500	V	416865V	41	5.894	5.906	.512			
6.250	6.256	.500	V	*456865V	45	150.00	150.10	10.00	S	130X150X10★	47
6.250	6.256	.500	S	416865	41	5.906	5.909	.394			
6.250	6.256	.500	S	*456865	45	150.00	150.10	10.00	S	710380★	47
6.250	6.256	.500	N	456865N	45	5.906	5.909	.394			
6.250	6.256	.500	S	*476865	47	150.00	150.20	15.00	S	*130X150X15★	32
6.250	6.256	.500	S	*486865	48	5.906	5.913	.591			
6.250	6.256	.562	S	*415070	41	150.00	150.40	13.00	T	712114★	FW-H
6.250	6.256	.562	N	*415070N	41	5.906	5.921	.512			
6.250	6.256	.562	V	*415070V	41	150.00	150.44	14.50	T	39806★	FW-H
6.250	6.256	.562	S	455070	45	5.906	5.923	.571			
6.250	6.256	.562	N	*455070N	45	150.00	150.44	14.80	T	39805★	FW-H
6.250	6.256	.562	V	*455070V	45	5.906	5.923	.583			
6.250	6.256	.562	S	*475070	47	154.70	155.00	14.00	S	*130X155X14★	32
6.250	6.256	.562	N	*475070N	47	6.090	6.102	.551			
6.250	6.256	.562	S	*485070	48	159.70	160.00	13.00	S	*130X160X13★	32
6.250	6.256	.605	S	370063A	06	6.287	6.299	.512			
6.250	6.256	.625	S	*455285	45	159.70	160.00	14.00	S	*130X160X14★	32
6.250	6.256	1.375	S	370028A	01	6.287	6.299	.551			
6.251	6.256	.500	N	*416865N	41	160.00	160.20	12.00	V	*130X160X12V★	32
6.374	6.382	.625	S	*415312	41	6.299	6.307	.472			
6.374	6.382	.625	S	*455312	45	160.00	160.20	15.00	S	130X160X15★	32
6.374	6.382	.625	V	*455312V	45	6.299	6.307	.591			
6.375	6.381	.500	S	417278	41	160.00	160.28	12.00	S	130X160X12★	32
6.375	6.381	.500	S	*457278	45	6.299	6.310	.472			
6.375	6.381	.500	S	*477278	47	164.70	165.00	13.00	S	*130X165X13★	32
6.375	6.381	.500	S	*487278	48	6.484	6.496	.512			
6.499	6.507	.500	S	417541	41	164.70	165.00	15.00	S	*130X165X15★	32
6.499	6.507	.625	S	*415377	41	6.484	6.496	.591			
6.499	6.507	.625	S	*455377	45	169.70	170.00	13.00	S	*130X170X13★	32
6.622	6.629	.906	N	*8126N	89	6.681	6.693	.512			
6.622	6.629	.906	S	8126S	89						
6.622	6.629	1.093	S	370166A	03						
6.749	6.757	.500	S	417542	41						
6.749	6.757	.625	S	*455318	45						
6.874	6.882	.500	S	417543	41						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➤ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
130,00mm (5.118") SHAFT (cont.)						5.250" (5-1/4") SHAFT (cont.)					
170.00	170.20	12.00	V	*130X170X12V★	35	6.375	6.381	.500	S	*487358	48
6.693	6.701	.472				6.499	6.507	.625	S	*415104	41
170.00	170.28	15.00	S	130X170X15★	32	6.499	6.507	.625	H	*415104H	41
6.693	6.704	.591				6.499	6.507	.625	N	*415104N	41
170.00	170.30	12.00	S	130X170X12★	35	6.499	6.507	.625	S	455104	45
6.693	6.705	.472				6.500	6.507	.562	S	*415645	41
189.67	190.00	12.00	S	*130X190X12★	32	6.500	6.507	.562	S	*455645	45
7.467	7.480	.472				6.500	6.507	.562	S	*475645	47
199.67	200.00	12.00	S	*130X200X12★	32	6.500	6.507	.562	S	*485645	48
7.861	7.874	.472				6.625	6.632	.562	S	417359	41
5.125" (5-1/8") SHAFT						6.625	6.632	.562	S	*457359	45
—	—	—	S	801300	VRS1	6.625	6.632	.562	S	*477359	47
—	—	—	V	801304	VRS1	6.625	6.632	.562	S	*487359	48
—	—	.866		99491		6.750	6.757	.500	S	*417549	41
5.999	6.006	.413	T	*907091◄	90	6.750	6.757	.625	S	*455395	45
5.999	6.006	.413	T	*947090◄	94	7.375	7.386	1.000	T	380069A	3
6.125	6.131	.500	S	*416557	41	7.375	7.386	1.000	S	370069A	03
6.125	6.131	.500	V	456557	45	134,00mm (5.276") SHAFT					
6.125	6.131	.500	V	*456557V	45	—	—	—	S	801300	VRS1
6.125	6.131	.562	S	*416172	41	—	—	—	V	801304	VRS1
6.125	6.131	.750	H	*8971H	7S	5.312" (5-5/16") SHAFT					
6.250	6.256	.500	S	*417258	41	—	—	—	S	801300	VRS1
6.250	6.256	.562	S	*416173	41	—	—	—	V	801304	VRS1
6.250	6.256	.562	N	*416173N	41	6.499	6.507	.625	S	*455464	45
6.250	6.256	.562	S	*476173	47	6.500	6.507	.500	S	*417550	41
6.250	6.256	.562	V	*476173V	47	6.500	6.507	.625	H	*456986H	45
6.251	6.256	.562	S	*455824	45	6.500	6.507	1.033	H	*75464H	7S
6.374	6.382	.500	S	*417546	41	6.500	6.513	.500	T	*327984◄	32
6.374	6.382	.625	S	*415071	41	6.500	6.513	.500	T	*327985T◄	32
6.374	6.382	.625	S	*455071	45	135,00mm (5.315") SHAFT					
6.375	6.381	.625	S	*456830	45	—	—	—	S	801300	VRS1
6.376	6.382	.625	N	*455071N	45	—	—	—	V	801304	VRS1
6.499	6.507	.500	S	417547	41	154.70	155.00	13.00	S	*135X155X13★	32
6.499	6.507	.625	S	*415495	41	6.090	6.102	.512			
6.499	6.507	.625	S	*455495	45	159.70	160.00	15.00	S	*135X160X15★	32
6.874	6.882	.625	N	*416049N	41	6.287	6.299	.591			
6.877	6.884	.625	S	*416977	41	160.00	160.38	13.00	S	135X160X13★	35
5.187" SHAFT						6.299	6.314	.512			
—	—	—	S	801300	VRS1	164.70	165.00	13.00	S	*135X165X13★	32
—	—	—	V	801304	VRS1	6.484	6.496	.512			
6.499	6.507	.500	S	417548	41	164.70	165.00	14.00	S	*135X165X14★	32
6.499	6.507	.625	N	*455494N	45	6.484	6.496	.551			
6.500	6.507	.625	H	455956H	45	170.00	170.38	12.00	S	135X170X12★	35
6.500	6.507	.625	N	*455956N	45	6.693	6.708	.472			
6.500	6.507	.625	V	*455956V	45	5.356" SHAFT					
6.500	6.507	.812	H	*77685H	7S	—	—	—	S	801400	VRS1
6.500	6.507	1.093	N	*75658	7S	—	—	—	S	801402	VRS3
6.500	6.507	1.093	H	*75658H	7S	6.500	6.507	.562	S	*455942	45
6.500	6.512	.500	V	*327958◄↔	32	6.500	6.507	.562	H	*455942H	45
6.500	6.515	.625	V	*4494V↔	#	5.375" (5-3/8") SHAFT					
5.250" (5-1/4") SHAFT						—	—	—	S	801400	VRS1
6.250	6.256	.250	S	447060	44	—	—	—	S	801402	VRS3
6.250	6.256	.250	V	*447060V	44	—	—	.813	*99537	Redi-Sleeve	
6.250	6.256	.500	S	*417262	41	6.374	6.380	.500	S	*417551	41
6.250	6.256	.500	V	417262V	41	6.374	6.382	.625	S	*456174	45
6.250	6.256	.500	S	*457262	45	6.499	6.507	.562	S	*455776	45
6.250	6.256	.500	N	*457262N	45	6.499	6.507	.625	S	*415461	41
6.250	6.256	.500	S	*477262	47	6.499	6.507	.625	N	*415461N	41
6.250	6.256	.500	S	*487262	48	6.499	6.507	.625	S	*455461	45
6.250	6.256	.562	S	455448	45	6.500	6.507	.625	N	*455461N	45
6.250	6.256	.562	N	*455448N	45	6.624	6.632	.562	S	*455938	45
6.250	6.256	.562	V	*455448V	45	6.624	6.632	.562	S	*415938	41
6.250	6.256	.625	N	*455799N	45						
6.250	6.260	.250	S	345448	34						
6.375	6.381	.500	S	*417358	41						
6.375	6.381	.500	S	*457358	45						
6.375	6.381	.500	S	*477358	47						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use

◄ Hydrodynamic Lip Design-CCW ↔ Hydrodynamic Lip Design-Bidirectional

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
5.375" (5-3/8") SHAFT (cont.)						5.500" (5-1/2") SHAFT (cont.)					
6.624	6.632	.625	S	*415105	41	6.750	6.757	.500	S	*475638	47
6.624	6.632	.625	V	*415105V	41	6.750	6.757	.575	S	*476107	47
6.624	6.632	.625	S	*455105	45	6.750	6.757	.575	S	*486107	48
6.624	6.632	.625	N	*455105N	45	6.750 6.758 .575 S *416107 41					
6.749 6.757 .500 S 417554 41						6.750	6.758	.575	S	*456107	45
6.749	6.757	.625	S	*415140	41	6.874	6.882	.625	S	*416190	41
6.749	6.757	.625	S	*455140	45	6.874	6.882	.625	S	*456190	45
6.875	6.882	1.000	S	3292	89	6.875 6.882 .562 S 417361 41					
7.500	7.508	.562	V	*456187V	45	6.875	6.882	.562	S	*457361	45
7.873	7.881	.750	N	*456112N	45	6.875	6.882	.562	S	*477361	47
7.874	7.881	.750	S	416112	41	6.875	6.882	.562	S	*487361	48
7.874	7.881	.750	N	*416112N	41	6.875	6.882	.625	N	*456190N	45
7.874	7.881	.750	S	*456112	45	6.997	7.004	1.250	S	7006S	43
						7.000	7.007	.625	S	415610	41
						7.125	7.132	1.187	S	370043A	03
						7.125	7.133	.625	S	416191	41
						7.248	7.255	.656	N	*485869N	48
						7.250	7.256	1.187	S	370120A	03
						7.437	7.444	1.000	S	370039A	03
						7.500 7.507 .562 S 456192 45					
						7.500	7.507	.562	N	*456192N	45
						7.624	7.631	1.250	S	8635S	21
						7.625	7.631	1.250	S	*3402	#
						7.876	7.883	.750	S	*455661	45
						8.000	8.009	.625	S	*416195	41
						8.000	8.009	.750	S	*416196	41
						8.494	8.501	1.062	S	*3098	#
						8.500	8.507	.625	S	*417419	41
5.428" SHAFT						140,00mm (5.512") SHAFT					
-	-	-	S	801400	VRS1	-	-	-	S	801400	VRS1
-	-	-	S	801402	VRS3	-	-	-	S	801402	VRS3
6.500	6.505	.420	S	710425	230	-	-	.807	*99552	Redi-Sleeve	
138,00mm (5.433") SHAFT						159,70	160,00	14,00	S	*140X160X14★	32
-	-	-	S	801400	VRS1	6.287	6.299	.551			
-	-	-	S	801402	VRS3	160,00	160,20	12,00	S	140X160X12★	32
152,00	152,10	12,00	S	138X152X12★	47	6.299	6.307	.472			
5.984	5.988	.472				160,00	160,27	13,00	S	140X160X13★	35
152,00	152,10	12,00	S	710368★	47	6.299	6.310	.512			
5.984	5.988	.472				160,00	160,27	13,00	S	231402★	35
152,00	152,20	15,00	S	*138X152X15★	32	6.299	6.310	.512			
5.984	5.992	.591				164,70	165,00	13,00	S	*140X165X13★	32
5.437" (5-7/16") SHAFT						6.484	6.496	.512			
-	-	-	S	801400	VRS1	165,00	165,28	15,00	S	*140X165X15★	32
-	-	-	S	801402	VRS3	6.496	6.507	.591			
6.749	6.757	.625	L	55357	5L	167,70	168,00	15,00	S	*140X168X15★	32
5.500" (5-1/2") SHAFT						6.602	6.614	.591			
-	-	-	S	801400	VRS1	169,70	170,00	13,00	S	*140X170X13★	32
-	-	-	S	801402	VRS3	6.681	6.693	.512			
-	-	.812	99549	Redi-Sleeve		169,70	170,00	14,00	S	*140X170X14★	32
6.250 6.257 .500 S 476842 47						6.681	6.693	.551			
6.251	6.257	.500	H	*2151H	25	170,00	170,10	14,00	S	710406★	47
6.312	6.316	1.250	S	6872S	47	6.693	6.697	.551			
6.499	6.507	.625	S	*415273	41	170,00	170,20	12,00	V	*140X170X12V★	32
6.499	6.507	.625	N	*415273N	41	6.693	6.701	.472			
6.499	6.507	.625	S	*455273	45	170,00	170,28	15,00	S	231405★	35
6.499	6.507	.625	N	*455273N	45	6.693	6.704	.591			
6.499	6.507	.625	V	*455273V	45	170,00	170,30	12,00	S	140X170X12★	32
6.500	6.505	1.125	S	*2363	#	6.693	6.705	.472			
6.500	6.505	1.125	S	6873S	43	170,00	170,43	15,00	S	140X170X15★	32
6.500 6.507 .562 S 417254 41						6.693	6.710	.591			
6.500	6.507	.562	N	*417254N	41	174,70	175,00	15,00	S	*140X175X15★	32
6.500	6.507	.562	S	*457254	45	6.878	6.890	.591			
6.500	6.507	.562	S	*477254	47	179,67	180,00	15,00	S	*140X180X15★	32
6.500	6.507	.562	S	*487254	48	7.074	7.087	.591			
6.624	6.631	.625	S	*416189	41	180,00	180,30	12,00	S	140X180X12★	35
6.624	6.631	.625	S	*456189	45	7.087	7.098	.472			
6.625 6.632 .562 S 417360 41						180,00	180,38	18,00	S	140X180X18★	32
6.625	6.632	.562	S	*457360	45	7.087	7.102	.709			
6.625	6.632	.562	S	*477360	47	184,67	185,00	16,00	S	*140X185X16★	32
6.625	6.632	.562	S	*487360	48	7.270	7.283	.630			
6.625	6.632	.670	H	3054	41						
6.625	6.632	.670	V	*3054V	41						
6.625	6.632	.670	H	*77286H	7S						
6.749	6.756	.500	V	*455215V	45						
6.749	6.756	.625	S	*415073	41						
6.749	6.756	.625	H	*415073H	41						
6.749	6.756	.625	N	*415073N	41						
6.749	6.756	.625	V	*415073V	41						
6.749	6.757	.625	S	455073	45						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
142,00mm (5.591") SHAFT					
156.70	157.00	10.00	S	*142X157X10★	32
6.169	6.181	.394			
5.625" (5-5/8") SHAFT					
—	—	—	S	801400	VRS1
—	—	—	S	801402	VRS3
6.624	6.631	.500	S	*417555	41
6.624	6.631	.625	S	*455487	45
6.624	6.631	.625	H	*455487H	45
6.624	6.631	.625	N	*455487N	45
6.625	6.631	.500	S	*415920	41
6.625	6.631	.625	S	*415487	41
6.625	6.631	.625	N	*415487N	41
6.750	6.757	.500	V	*417942V	41
6.874	6.882	.500	S	*417556	41
6.874	6.882	.500	V	*417556V	41
6.874	6.882	.625	S	*455106	45
7.125	7.131	.500	S	*417040	41
7.125	7.133	.625	S	*455652	45
7.186	7.194	.906	S	370064A	03
7.500	7.508	.562	S	*456199	45
5.640" SHAFT					
7.501	7.507	.605	S	370119A	06
144,00mm (5.669") SHAFT					
—	—	—	S	801400	VRS1
—	—	—	S	801402	VRS3
160.00	160.25	12.00	S	144X160X12★	35
6.299	6.309	.472			
145,00mm (5.709") SHAFT					
—	—	—	S	801400	VRS1
—	—	—	S	801402	VRS3
164.00	164.10	14.00	S	145X164X14★	47
6.457	6.461	.551			
164.00	164.10	14.00	S	710369★	47
6.457	6.461	.551			
164.00	164.20	15.00	S	*145X164X15★	32
6.457	6.465	.591			
164.70	165.00	13.00	S	*145X165X13★	32
6.484	6.496	.512			
164.70	165.00	14.00	S	*145X165X14★	32
6.484	6.496	.551			
166.70	167.00	13.00	S	*145X167X13★	32
6.563	6.575	.512			
169.70	170.00	13.00	S	*145X170X13★	32
6.681	6.693	.512			
169.70	170.00	15.00	S	*145X170X15★	32
6.681	6.693	.591			
170.00	170.45	12.00	S	145X170X12★	32
6.693	6.711	.472			
174.70	175.00	13.00	S	*145X175X13★	32
6.878	6.890	.512			
174.70	175.00	14.00	S	*145X175X14★	32
6.878	6.890	.551			
175.00	175.38	15.00	S	145X175X15★	32
6.890	6.905	.591			
180.00	180.28	12.00	S	145X180X12★	35
7.087	7.098	.472			
146,00mm (5.748") SHAFT					
—	—	—	S	801500	VRS1
—	—	—	V	801504	VRS1
—	—	.813		99575	Redi-Sleeve
6.751	6.763	.500	V	*357971V	35

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
5.750" (5-3/4") SHAFT					
—	—	—	S	801500	VRS1
—	—	—	V	801504	VRS1
—	—	.813		99575	Redi-Sleeve
6.500	6.510	.500	S	*7743	#
6.624	6.632	.625	S	*415447	41
6.624	6.632	.625	S	*455447	45
6.749	6.756	.625	S	*415363	41
6.749	6.756	.625	H	*415363H	41
6.749	6.757	.625	S	*455363	45
6.750	6.757	.562	S	*457362	45
6.750	6.757	.575	N	*417362N	41
6.750	6.757	.575	S	*417362	41
6.750	6.757	.575	V	*417362V	41
6.750	6.757	.575	S	*477362	47
6.750	6.757	.575	S	*487362	48
6.874	6.882	.625	S	*416214	41
6.874	6.882	.625	S	*456214	45
6.875	6.882	.562	S	417363	41
6.875	6.882	.562	S	*457363	45
6.875	6.882	.562	S	*477363	47
6.875	6.882	.562	S	*487363	48
7.000	7.008	.625	S	*455107	45
7.000	7.008	.625	H	*455107H	45
7.000	7.008	.625	N	*455107N	45
7.000	7.008	.625	V	*455107V	45
7.001	7.008	.562	S	*416666	41
7.001	7.008	.562	V	*416666V	41
7.001	7.008	.562	S	*456666	45
7.001	7.008	.562	S	*476666	47
7.001	7.008	.562	S	*486666	48
7.125	7.132	.562	S	417364	41
7.125	7.132	.562	S	*457364	45
7.125	7.132	.562	S	*477364	47
7.125	7.132	.562	S	*487364	48
7.125	7.133	.625	S	*416215	41
7.125	7.133	.625	S	*456215	45
7.500	7.506	.500	S	*457557	45
7.500	7.508	.562	S	*416039	41
7.500	7.508	.562	S	*456039	45
7.500	7.508	.562	N	*456039N	45
7.874	7.881	.750	S	416029	41
7.874	7.881	.750	N	*416029N	41
7.875	7.883	.750	S	*455618	45
5.812" (5-13/16") SHAFT					
—	—	—	S	801500	VRS1
—	—	—	V	801504	VRS1
7.125	7.132	.625	S	*8662	35
148,00mm (5.827") SHAFT					
—	—	—	S	801500	VRS1
—	—	—	V	801504	VRS1
170.00	170.28	15.00	S	148X170X15★	35
6.693	6.704	.591			
5.875" (5-7/8") SHAFT					
—	—	—	S	801500	VRS1
—	—	—	V	801504	VRS1
—	—	1.000		*99587	Redi-Sleeve
7.125	7.133	.500	S	*3620	#
7.125	7.133	.500	S	*416476	41
7.125	7.133	.625	S	*415075	41
7.125	7.133	.625	N	*415075N	41
7.125	7.133	.625	S	455075	45
7.500	7.508	.562	S	*455297	45
7.999	8.007	.750	S	456052	45
8.001	8.007	.750	S	3016	45

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
150,00mm (5.906") SHAFT						6.000" SHAFT (cont.)					
-	-	-	S	801500	VRS1	7.127	7.133	.500	S	*447582	44
-	-	-	V	801504	VRS1	7.238	7.244	.472	S	*447975	44
167,70	168,00	13,00	S	*150X168X13★	32	7.475	7.481	.590	T	39715◀	#
6.602	6.614	.512				7.500	7.508	.562	S	*415072	41
169,70	170,00	15,00	S	*150X170X15★	32	7.500	7.508	.562	H	*415072H	41
6.681	6.693	.591				7.500	7.508	.562	V	*415072V	41
174,70	175,00	10,00	S	*150X175X10★	32	7.500	7.508	.562	S	*455072	45
6.878	6.890	.394				7.501	7.508	.562	S	*475072	47
179,67	180,00	13,00	S	*150X180X13★	32	7.501	7.508	.562	S	*485072	48
7.074	7.087	.512				7.875	7.881	.605	S	*370077A	06
179,67	180,00	14,00	S	*150X180X14★	32	8.187	8.194	1.250	S	*8091	#
7.074	7.087	.551				8.500	8.509	.625	S	*416232	41
180,00	180,20	15,00	V	*150X180X15V★	32	154,00mm (6.063") SHAFT					
7.087	7.094	.591				-	-	-	S	801500	VRS1
180,00	180,35	12,00	S	150X180X12★	32	-	-	-	V	801504	VRS1
7.087	7.100	.472				171,70	172,00	14,00	S	*154X172X14★	32
180,00	180,35	15,00	S	150X180X15★	35	6.760	6.772	.551			
7.087	7.100	.591				172,00	172,20	15,00	S	*154X172X15★	32
184,67	185,00	16,00	S	*150X185X16★	32	6.772	6.780	.591			
7.270	7.283	.630				6.077" SHAFT					
189,67	190,00	15,00	S	*150X190X15★	32	-	-	-	S	801500	VRS1
7.467	7.480	.591				-	-	-	V	801504	VRS1
199,67	200,00	13,00	S	*150X200X13★	32	7.328	7.336	.445	T	39889◀	W-H
7.861	7.874	.512				7.328	7.336	.445	T	39890▶	W-H
209,67	210,00	15,00	S	*150X210X15★	32	155,00mm (6.102") SHAFT					
8.255	8.268	.591				-	-	1.024	99606	Redi-Sleeve	
224,67	225,00	12,00	S	*150X225X12★	32	171,70	172,00	14,00	S	*155X172X14★	32
8.845	8.858	.472				6.760	6.772	.551			
5.937" (5-15/16") SHAFT						173,70	174,00	12,00	S	*155X174X12★	32
-	-	-	S	801500	VRS1	6.838	6.850	.472			
-	-	-	V	801504	VRS1	179,67	180,00	12,00	S	*155X180X12★	32
-	-	1.000	*99596	Redi-Sleeve		7.074	7.087	.472			
6.801	-	1.125	S	8907	#	179,67	180,00	13,00	S	*155X180X13★	32
7.502	7.508	.562	S	417780	41	7.074	7.087	.512			
5.997" SHAFT						180,00	180,23	15,00	S	155X180X15★	32
-	-	-	S	801500	VRS1	7.087	7.096	.591			
-	-	-	V	801504	VRS1	184,67	185,00	16,00	S	*155X185X16★	32
-	-	.500	99601	Redi-Sleeve		7.270	7.283	.630			
-	-	1.000	99599	Redi-Sleeve		6.107" SHAFT					
7.125	7.131	.500	T	39956◀	DW-H	6.750	6.757	.500	V	*4165◀	#
6.000" SHAFT						6.750	6.757	.500	V	*4165V◀	#
-	-	-	S	801500	VRS1	6.750	6.757	.675	V	*600319◀	41
-	-	-	V	801504	VRS1	6.110" SHAFT					
-	-	.500	99601	Redi-Sleeve		7.187	7.192	.400	S	*710500	230
-	-	1.000	99599	Redi-Sleeve		6.125" (6-1/8") SHAFT					
6.750	6.756	.437	T	39807◀	W-H	6.750	6.757	.375	H	*336665H	33
6.750	6.757	.500	H	*2297◀	25	7.125	7.131	.500	V	*486701	48
6.750	6.757	.500	V	2297V◀	25	7.125	7.133	.625	S	*415330	41
6.750	6.757	.625	T	39823▶	DW-H	7.125	7.133	.625	S	*455330	45
6.751	6.757	.375	S	447793	44	7.125	7.133	.625	H	*455330H	45
7.000	7.007	.500	S	*416055	41	7.500	7.508	.562	S	*415074	41
7.000	7.008	.625	N	*416055N	41	7.500	7.508	.562	H	*415074H	41
7.001	7.008	.625	V	456055	45	7.500	7.508	.562	N	*415074N	41
7.001	7.008	.625	N	*456055N	45	7.500	7.508	.562	S	*455074	45
7.001	7.008	.625	V	*456055V	45	7.627	7.633	.625	S	*457874	45
7.125	7.132	.562	S	*457365	45	7.750	7.756	.750	S	*417017	41
7.125	7.132	.562	S	*477365	47	7.875	7.881	.750	N	*417053N	41
7.125	7.132	.562	S	*487365	48						
7.125	7.133	.625	S	*416219	41						
7.125	7.133	.625	H	*416219H	41						
7.125	7.133	.625	N	*416219N	41						
7.125	7.133	.625	N	*456219N	45						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/Illus.
156,00mm (6.142") SHAFT						160,00mm (6.299") SHAFT (cont.)					
180.00	180.20	15.00	T	712110★	W	200.00	200.20	15.00	S	160X200X15★	32
7.087	7.094	.591				7.874	7.882	.591			
180.00	180.40	15.00	T	712122★	FW-H	239.67	240.00	15.00	S	*160X240X15★	32
7.087	7.102	.591				9.436	9.449	.591			
8.000	8.007	.658	V	*4602V	#						
6.187" (6-3/16") SHAFT						6.312" SHAFT					
7.250	7.258	.734	S	417921	41	7.500	7.507	.690	H	*3061H	41
7.500	7.507	.562	H	*455583H	45	7.500	7.507	.690	V	*3061V	41
7.500	7.507	.562	N	455583N	45	7.500	7.507	.690	H	*77322H	7S
7.500	7.508	.562	S	455583	45	7.500	7.507	.690	V	*77322V	7S
6.198" SHAFT						6.328" SHAFT					
7.328	7.336	.354	T	39885	FW-H	7.329	7.336	.500	H	3807	64
7.328	7.336	.445	T	39888	FW-H						
6.202" SHAFT						6.375" (6-3/8") SHAFT					
7.329	7.336	.377	T	39886	DW-H	7.875	7.881	.750	S	*415110	41
						7.875	7.883	.500	S	417563	41
						8.000	8.008	1.060	S	*7516	#
6.204" SHAFT						162,00mm (6.378") SHAFT					
7.328	7.336	.562	H	2628	64	200.00	200.20	15.00	S	*162X200X15★	32
7.330	7.336	.445	T	39887	FW-H	7.874	7.882	.591			
6.238" SHAFT						165,00mm (6.496") SHAFT					
8.654	8.661	.560	T	*39044	90	-	-	1.000	99650	Redi-Sleeve	
8.655	8.661	1.100	T	39883	90	189.67	190.00	14.00	S	*165X190X14★	32
6.250" (6-1/4") SHAFT						7.467	7.480	.551			
-	-	1.031		99625	Redi-Sleeve	189.67	190.00	15.00	S	*165X190X15★	32
7.500	7.508	.562	S	*415480	41	7.467	7.480	.591			
7.500	7.508	.562	S	455480	45	190.00	190.35	13.00	S	165X190X13★	41
7.500	7.508	.562	H	*455480H	45	7.480	7.494	.512			
7.500	7.508	.562	V	455480V	45	7.632	7.638	.497	T	37586	#
7.750	7.758	.500	S	417562	41	194.67	195.00	15.00	S	*165X195X15★	32
7.750	7.758	.750	S	*455109	45	7.664	7.677	.591			
7.875	7.881	.750	S	415854	41	199.67	200.00	14.00	S	*165X200X14★	32
7.875	7.881	.750	S	*455854	45	7.861	7.874	.551			
						9.600	9.606	.540	T	39861	#
160,00mm (6.299") SHAFT						6.500" (6-1/2") SHAFT					
-	-	1.000		99630	Redi-Sleeve	-	-	-	S	801700	VRS1
179.67	180.00	10.00	S	*160X180X10★	32	-	-	-	S	801701	VRS2
7.074	7.087	.394				-	-	1.000	99650	Redi-Sleeve	
179.67	180.00	13.00	S	*160X180X13★	32	7.382	7.392	.622	S	*415913	41
7.074	7.087	.512				7.382	7.392	.622	N	*415913N	41
181.67	182.00	18.00	S	*160X182X18★	32	7.500	7.508	.562	S	415294	41
7.152	7.165	.709				7.500	7.508	.562	N	*415294N	41
184.67	185.00	13.00	S	*160X185X13★	32	7.500	7.508	.562	S	455294	45
7.270	7.283	.512				7.500	7.508	.562	N	*455294N	45
185.00	185.20	10.00	V	*160X185X10V★	35	7.500	7.508	.562	V	*455294V	45
7.283	7.291	.394				7.501	7.508	.812	S	*3276	#
185.00	185.35	10.00	S	160X185X10★	35	7.627	7.633	.625	S	*457808	45
7.283	7.297	.394				8.000	8.007	.625	T	41509	PDW
189.67	190.00	13.00	S	*160X190X13★	32	8.000	8.007	.625	T	41510	PDW
7.467	7.480	.512				8.000	8.009	.625	S	416229	41
190.00	190.20	15.00	V	*160X190X15V★	32	8.000	8.009	.625	N	*416229N	41
7.480	7.488	.591				8.000	8.009	.750	S	*415111	41
190.00	190.35	15.00	S	160X190X15★	32	8.000	8.009	.750	S	*455111	45
7.480	7.494	.591				8.000	8.009	.750	H	*455111H	45
190.00	190.40	13.00	T	712118★	FW-H	8.750	8.757	.750	N	*457131N	45
7.480	7.496	.512				9.252	9.260	.750	S	*416592	41
199.67	200.00	14.00	S	*160X200X14★	32	6.625" (6-5/8") SHAFT					
7.861	7.874	.551				-	-	-	S	801700	VRS1
200.00	200.20	12.00	S	160X200X12★	32	-	-	-	S	801701	VRS2
7.874	7.882	.472				8.000	8.007	.750	T	*914411	91

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ★ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
6.625" (6-5/8") SHAFT (cont.)						6.937" (6-15/16") SHAFT					
8.000	8.007	.750	T	*914412◀	91	—	—	—	S	801800	VRS1
8.000	8.007	1.000	T	*914413▶	91	8.129	8.138	.750	S	*455592	45
8.007	8.014	.605	S	*370149A	06	6.956" SHAFT					
8.125	8.134	.625	S	417298	41	—	—	—	S	801800	VRS1
9.615	9.622	.979	V	*4354V	#	8.625	8.633	.750	S	*3123	#
170,00mm (6.693") SHAFT						7.000" SHAFT					
—	—	—	S	801700	VRS1	—	—	—	S	801800	VRS1
—	—	—	S	801701	VRS2	—	—	1.000	S	99700	Redi-Sleeve
—	—	1.250	S	*99640	Redi-Sleeve	8.000	8.007	.562	S	*455699	45
189.67	190.00	10.00	S	*170X190X10★	32	8.000	8.007	.750	S	*455517	45
7.467	7.480	.394				8.000	8.007	.750	N	*455517N	45
189.67	190.00	14.00	S	*170X190X14★	32	8.000	8.009	.625	S	416364	41
7.467	7.480	.551				8.000	8.009	.625	N	*416364N	41
200.00	200.35	15.00	S	170X200X15★	32	8.000	8.009	.625	V	*416364V	41
7.874	7.888	.591				8.000	8.009	.625	S	*456364	45
210.00	210.20	15.00	S	170X210X15★	32	8.000	8.009	.625	N	*456364N	45
8.268	8.276	.591				8.000	8.009	.625	V	*456364V	45
6.750" (6-3/4") SHAFT						8.000	8.009	.750	S	*415517	41
—	—	—	S	801700	VRS1	8.001	8.009	.750	S	*455282	45
—	—	—	S	801701	VRS2	8.001	8.009	.750	N	*455282N	45
—	—	.813	S	99675	Redi-Sleeve	8.250	8.257	.625	S	417597	41
7.657	7.750	.500	S	*476871	47	8.250	8.258	.750	S	*455452	45
8.000	8.007	.625	S	*455327	45	8.251	8.258	.625	S	*457466	45
8.000	8.007	.625	V	*455327V	45	8.375	8.382	.625	S	417255	41
8.000	8.009	.625	S	415327	41	8.375	8.382	.750	S	*416674	41
8.000	8.009	.625	H	*415327H	41	8.375	8.382	.750	N	*416674N	41
8.000	8.009	.625	N	*415327N	41	8.375	8.382	.750	V	416674V	41
8.007	8.017	.625	S	416362	41	8.377	8.384	.750	S	*456724	45
8.007	8.017	.625	N	*416362N	41	8.500	8.507	1.031	S	*216239	21
8.007	8.017	.625	V	*416362V	41	8.500	8.509	.625	S	416239	41
8.250	8.257	.562	S	417596	41	8.500	8.509	.750	S	*415084	41
8.250	8.257	.750	S	*415092	41	8.500	8.509	.750	N	*415084N	41
8.500	8.509	.625	S	416008	41	8.500	8.509	.750	S	*455084	45
6.772" SHAFT						8.500	8.509	.750	S	*475084	47
—	—	—	S	801700	VRS1	8.750	8.759	.625	S	417564	41
—	—	—	S	801701	VRS2	8.750	8.759	.750	S	*455421	45
9.000	9.007	.658	V	*4603V	#	9.313	9.321	.625	S	415876	41
6.775" SHAFT						9.313	9.321	.625	V	415876V	41
—	—	—	S	801700	VRS1	180,00mm (7.087") SHAFT					
—	—	—	S	801701	VRS2	—	—	—	S	801800	VRS1
7.875	7.880	.360	S	710562	230	—	—	1.300	S	*99721	Redi-Sleeve
6.875" (6-7/8") SHAFT						199.67	200.00	14.00	S	*180X200X14★	32
—	—	—	S	801700	VRS1	7.861	7.874	.551			
—	—	—	S	801701	VRS2	199.67	200.00	15.00	S	*180X200X15★	32
7.875	7.883	.625	S	455948	45	7.861	7.874	.591			
8.375	8.382	.625	S	455584	45	210.00	210.35	15.00	S	180X210X15★	32
8.375	8.382	.625	N	*455584N	45	8.268	8.281	.591			
8.375	8.382	.750	S	*455114	45	214.67	215.00	15.00	S	*180X215X15★	32
8.543	8.543	.825	S	*3124%	46	8.452	8.465	.591			
175,00mm (6.890") SHAFT						219.67	220.00	15.00	S	*180X220X15★	32
—	—	—	S	801700	VRS1	8.648	8.661	.591			
—	—	—	S	801701	VRS2	219.67	220.00	16.00	S	*180X220X16★	32
—	—	—	S	801800	VRS1	8.648	8.661	.630			
200.00	200.35	15.00	S	175X200X15★	32	7.117" SHAFT					
7.874	7.888	.591				—	—	—	S	801800	VRS1
209.67	210.00	15.00	S	*175X210X15★	32	8.126	8.134	.750	S	*415859	41
8.255	8.268	.591				7.125" (7-1/8") SHAFT					
229.67	230.00	20.00	S	*175X230X20★	32	—	—	—	S	801800	VRS1
9.042	9.055	.787				8.007	8.017	.625	S	*415927	41
						8.494	8.501	1.062	S	*7747	47
						8.625	8.632	.562	S	416077	41
						8.625	8.632	.562	N	*416077N	41

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
7.125" (7-1/8") SHAFT (cont.)						7.500" (7-1/2") SHAFT (cont.)					
8.625	8.634	.750	S	*415115	41	9.000	9.010	.750	V	415551V	41
8.625	8.634	.750	N	*415115N	41	9.000	9.010	.750	S	*455551	45
7.250" (7-1/4") SHAFT						9.000	9.010	.750	N	*455551N	45
-	-	-	S	801800	VRS1	9.243	9.250	.625	S	417283	41
-	-	1.250	*99725	Redi-Sleeve		9.243	9.250	.625	N	*417283N	41
8.125	8.132	.940	T	39815	DW-H	9.750	9.758	.625	N	*417904N	41
8.125	8.133	.500	T	39701	FW-H	10.500	10.510	.750	S	417385	41
8.250	8.257	.625	S	*456044	45	10.500	10.510	.750	V	*417385V	41
8.250	8.257	.625	S	416044	41	7.625" (7-5/8") SHAFT					
8.750	8.758	.605	S	370175A	06	-	-	-	S	801900	VRS1
8.750	8.759	.750	S	415116	41	-	-	-	S	801901	VRS2
9.125	9.133	.750	S	*416395	41	-	-	-	S	802000	VRS1
185,00mm (7.283") SHAFT						8.623	8.630	.715	S	*416482	41
-	-	-	S	801800	VRS1	8.625	8.632	.562	S	416102	41
209.67	210.00	15.00	S	*185X210X15	32	9.125	9.133	.625	S	417598	41
8.255	8.268	.591	S	185X210X13	35	9.125	9.133	.625	V	417598V	41
210.00	210.35	13.00	S	185X210X13	35	9.250	9.258	.625	S	*457991	45
8.268	8.281	.512	S	*185X215X16	32	195,00mm (7.677") SHAFT					
215.00	215.22	16.00	S	*185X215X16	32	229.67	230.00	16.00	S	*195X230X16	32
8.465	8.473	.630	S			9.042	9.055	.630	S	*195X230X20	32
7.375" (7-3/8") SHAFT						229.67	230.00	20.00	S	*195X230X20	32
-	-	-	S	801900	VRS1	9.042	9.055	.787	S		
-	-	-	S	801901	VRS2	7.718" (7-25/32") SHAFT					
8.875	8.882	.750	S	455117	45	-	-	-	S	801990	VRS1
8.875	8.882	.750	V	*455117V	45	-	-	-	S	801991	VRS2
9.000	9.010	.750	S	415317	41	-	-	-	S	802000	VRS1
9.054	9.063	1.062	S	*370082A	03	9.186	9.191	.875	S	*8562	#
9.375	9.382	.750	S	*456248	45	7.750" (7-3/4") SHAFT					
9.615	9.622	.979	V	4353	#	-	-	-	S	801990	VRS1
190,00mm (7.480") SHAFT						-	-	-	S	801991	VRS2
-	-	-	S	801900	VRS1	-	-	-	S	802000	VRS1
-	-	-	S	801901	VRS2	-	-	1.000	*99775	Redi-Sleeve	
-	-	-	S	802000	VRS1	9.000	9.010	.625	S	457299	45
209.67	210.00	10.00	S	*190X210X10	32	9.250	9.258	.750	S	*415120	41
8.255	8.268	.394	S	*190X210X15	32	9.250	9.260	.625	S	455406	45
209.67	210.00	15.00	S	*190X210X15	32	10.000	10.008	.750	S	417115	41
8.255	8.268	.591	S	*190X220X15	32	10.500	10.510	.750	N	*457149N	45
220.00	220.35	15.00	S	*190X220X15	32	10.500	10.510	.750	V	*457149V	45
8.661	8.675	.591	S	*231905	35	7.872" SHAFT					
220.00	220.35	16.00	S	*190X220X16	32	-	-	-	S	801990	VRS1
8.661	8.675	.630	S	190X220X16	32	-	-	-	S	801991	VRS2
224.67	225.00	12.00	S	*190X225X12	32	-	-	-	S	802000	VRS1
8.845	8.858	.472	S	*190X225X16	32	-	-	1.359	99787	Redi-Sleeve	
224.67	225.00	16.00	S	*190X225X16	32	9.500	9.507	.750	S	*455945	45
8.845	8.858	.630	V	*190X225X16V	32	200,00mm (7.874") SHAFT					
225.00	225.20	16.00	V	*190X225X16V	32	-	-	-	S	801990	VRS1
8.858	8.866	.630	S	*190X230X15	32	-	-	-	S	801991	VRS2
229.67	230.00	15.00	S	*190X230X15	32	-	-	-	S	802000	VRS1
9.042	9.055	.591	S	190X230X16	32	-	-	1.359	99787	Redi-Sleeve	
230.00	230.20	16.00	S	190X230X16	32	229.67	230.00	13.00	S	*200X230X13	32
9.055	9.063	.630	S			9.042	9.055	.512	V	*200X230X15V	32
7.500" (7-1/2") SHAFT						230.00	230.20	15.00	S	200X230X15	32
-	-	-	S	801900	VRS1	9.055	9.063	.591	S	*200X235X15	32
-	-	-	S	801901	VRS2	234.67	235.00	15.00	S	*200X235X15	32
-	-	-	S	802000	VRS1	9.239	9.252	.591	S	*200X240X15	32
-	-	.813	99750	Redi-Sleeve		239.67	240.00	15.00	S	*200X240X15	32
8.500	8.509	.625	S	415867	41	9.436	9.449	.591	S		
8.500	8.509	.625	V	455867V	45						
9.000	9.010	.750	S	415551	41						
9.000	9.010	.750	N	*415551N	41						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
200,00mm (7.874") SHAFT (cont.)						205,00mm (8.071") SHAFT					
239.67	240.00	20.00	S	*200X240X20★	32	224.67	225.00	18.00	S	*205X225X18★	32
9.436	9.449	.787				8.845	8.858	.709			
249.67	250.00	16.00	S	*200X250X16★	32	234.67	235.00	18.00	S	*205X235X18★	32
9.830	9.843	.630				9.239	9.252	.709			
249.67	250.00	20.00	S	*200X250X20★	32	8.125" (8-1/8") SHAFT					
9.830	9.843	.787				-	-	-	S	801990	VRS1
7.875" SHAFT						-	-	-	S	801991	VRS2
9.000	9.010	.750	S	*455397	45	-	-	-	S	802000	VRS1
9.250	9.258	1.000	S	*417657	41	8.750	8.757	.375	S	*256656	25
9.375	9.383	.750	S	*455121	45	9.371	9.379	.425	S	*3594	#
9.375	9.383	.750	N	*455121N	45	9.375	9.379	.750	S	*455944	45
9.375	9.383	.750	V	455121V	45	10.125	10.130	.750	S	*455123	45
10.000	10.008	.625	S	417016	41	8.250" (8-1/4") SHAFT					
10.000	10.008	.750	S	*417114	41	-	-	-	S	801990	VRS1
10.234	10.242	.605	S	*370151A	06	-	-	-	S	801991	VRS2
7.908" SHAFT						-	-	-	S	802000	VRS1
-	-	-	S	801990	VRS1	9.250	9.258	.625	S	455475	45
-	-	-	S	801991	VRS2	9.500	9.509	.625	V	458009V	45
-	-	-	S	802000	VRS1	10.250	10.260	.750	S	*415124	41
9.528	9.535	.960	S	*3776S	#	10.625	10.633	.750	S	*416951	41
7.927" SHAFT						11.500	11.507	.750	S	416422	41
-	-	-	S	801990	VRS1	11.500	11.507	.750	N	*416422N	41
-	-	-	S	801991	VRS2	210,00mm (8.268") SHAFT					
-	-	-	S	802000	VRS1	-	-	-	S	801990	VRS1
9.174	9.182	.687	S	*8228	#	-	-	-	S	801991	VRS2
7.937" (7-15/16") SHAFT						-	-	-	S	802000	VRS1
-	-	-	S	801990	VRS1	240.00	240.35	15.00	S	210X240X15★	35
-	-	-	S	801991	VRS2	9.449	9.463	.591			
-	-	-	S	802000	VRS1	249.67	250.00	16.00	S	*210X250X16★	32
-	-	1.000	S	*99799	Redi-Sleeve	9.830	9.843	.630			
8.750	8.757	.565	S	417817	41	250.00	250.20	15.00	S	210X250X15★	32
7.995" SHAFT						9.843	9.850	.591			
-	-	-	S	801990	VRS1	269.67	270.00	16.00	S	*210X270X16★	32
-	-	-	S	801991	VRS2	10.617	10.630	.630			
-	-	-	S	802000	VRS1	8.345" SHAFT					
-	-	1.000	S	*99800	Redi-Sleeve	-	-	-	S	802200	VRS1
10.000	10.010	.750	S	*416403	41	10.750	10.758	1.125	S	*396412	#
11.625	11.633	1.078	S	8724S	41	8.375" (8-3/8") SHAFT					
8.000" SHAFT						-	-	-	S	802200	VRS1
-	-	-	S	801990	VRS1	10.375	10.385	.625	S	*417022	41
-	-	-	S	801991	VRS2	8.500" (8-1/2") SHAFT					
-	-	-	S	802000	VRS1	-	-	-	S	802200	VRS1
-	-	1.000	S	*99800	Redi-Sleeve	9.500	9.509	.625	V	455828V	45
9.000	9.010	.750	S	415656	41	10.000	10.008	.625	S	*417603	41
9.250	9.258	.625	S	*417600	41	10.000	10.010	.687	S	*456554	45
9.250	9.260	.750	S	*415299	41	10.000	10.010	.750	S	*415489	41
9.250	9.260	.750	S	*455299	45	10.000	10.010	.750	V	*415489V	41
9.500	9.508	.625	S	*417601	41	10.000	10.010	.750	S	*455489	45
9.500	9.508	.860	S	*3624	#	10.000	10.010	.750	H	*455489H	45
9.500	9.510	.750	S	*415300	41	10.500	10.508	.625	S	*417604	41
9.500	9.510	.750	N	*415300N	41	10.500	10.510	.750	S	*455126	45
9.500	9.510	.750	S	*455300	45	10.500	10.510	.750	H	*455126H	45
10.000	10.008	.625	S	*417602	41	10.625	10.633	.750	S	*416394	41
10.000	10.008	.625	N	*417602N	41	8.625" (8-5/8") SHAFT					
10.000	10.008	.750	S	*415122	41	-	-	-	S	802200	VRS1
10.000	10.008	.750	S	*455122	45	9.778	9.786	.625	S	*256616	25
10.000	10.008	1.145	S	*396440	#	10.625	10.635	.750	S	*417567	41
10.125	10.133	.750	S	415052	41						
11.624	11.632	.750	S	7131	#						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL®



Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
220,00mm (8.661") SHAFT						233,00mm (9.173") SHAFT (cont.)					
—	—	—	S	802200	VRS1	272,00	272,26	15,88	V	*3689★	#
250,00	250,20	15,00	V	*220X250X15V★	35	10.709	10.719	.625			
9.843	9.850	.591									
250,00	250,35	15,00	S	220X250X15★	32	9.250" (9-1/4") SHAFT					
9.843	9.856	.591				—	—	—	S	802200	VRS1
254,67	255,00	16,00	S	*220X255X16★	32	—	—	—	S	802500	VRS1
10.026	10.039	.630				—	—	—	S	802502	VRS3
259,67	260,00	14,00	S	*220X260X14★	32	10.250	10.258	.500	N	337426N	33
10.223	10.236	.551				11.000	11.008	.750	S	416257	41
259,67	260,00	16,00	S	*220X260X16★	32	11.000	11.008	.750	H	*416257H	41
10.223	10.236	.630				11.250	11.260	.750	S	415219	41
260,00	260,20	15,00	S	*220X260X15★	32	11.250	11.260	.750	N	*415219N	41
10.236	10.244	.591				11.500	11.508	.750	S	*416798	41
						12.750	12.758	1.125	S	*8996S	70
222,00mm (8.740") SHAFT						9.375" (9-3/8") SHAFT					
244,67	245,00	13,00	S	*222X245X13★	32	—	—	—	S	802500	VRS1
9.633	9.646	.512				—	—	—	S	802502	VRS3
8.750" (8-3/4") SHAFT						11.273	11.273	.825	S	*3503%	#
—	—	—	S	802200	VRS1	11.375	11.385	.750	S	415871	41
10.250	10.260	.688	S	*486642	48	11.375	11.385	.750	H	*415871H	41
10.250	10.260	.688	H	*486642H	48	11.375	11.385	.750	S	*455871	45
10.500	10.510	.750	S	455966	45	11.375	11.385	.750	N	*455871N	45
10.750	10.758	.750	S	415128	41	11.375	11.385	.750	V	*455871V	45
10.750	10.758	.750	S	*455128	45	12.750	12.758	1.250	S	*417018	41
8.875" (8-7/8") SHAFT						9.437" (9-7/16") SHAFT					
—	—	—	S	802200	VRS1	—	—	—	S	802500	VRS1
10.122	10.130	.750	S	416657	41	—	—	—	S	802502	VRS3
10.125	10.130	.750	S	*455930	45	10.630	10.640	.750	S	*455596	45
10.875	10.885	.750	S	455129	45	10.630	10.640	.750	H	*455596H	45
9.000" SHAFT						240,00mm (9.449") SHAFT					
—	—	—	S	802200	VRS1	—	—	—	S	802500	VRS1
10.000	10.010	.750	S	55301S	45	—	—	—	S	802502	VRS3
10.000	10.010	.750	S	455301	45	270,00	270,35	15,00	S	240X270X15★	35
10.088	10.095	.625	S	417940	41	10.630	10.644	.591			
10.250	10.260	.750	S	455476	45	270,00	270,35	16,00	S	*240X270X16★	35
10.375	10.384	.625	S	456462	45	10.630	10.644	.630			
10.376	10.384	.625	S	2791	33	279,67	280,00	18,00	S	*240X280X18★	32
10.500	10.510	.750	S	455462	45	11.011	11.024	.709			
11.000	11.008	.750	S	415090	41	279,67	280,00	20,00	S	*240X280X20★	32
11.000	11.008	.750	S	*455090	45	11.011	11.024	.787			
						280,00	280,20	16,00	S	240X280X16★	32
						11.024	11.031	.630			
9.052" SHAFT						9.466" SHAFT					
—	—	—	S	802200	VRS1	—	—	—	S	802500	VRS1
10.709	10.720	.625	T	39893◀	FW-H	—	—	—	S	802502	VRS3
10.709	10.720	.625	T	39894▶	FW-H	10.875	10.891	.375	S	710800	230
230,00mm (9.055") SHAFT						9.477" SHAFT					
—	—	—	S	802200	VRS1	—	—	—	S	802500	VRS1
260,00	260,35	15,00	S	230X260X15★	35	—	—	—	S	802502	VRS3
10.236	10.250	.591				11.375	11.383	.750	S	*3502	45
9.086" SHAFT						9.500" (9-1/2") SHAFT					
—	—	—	S	802200	VRS1	—	—	—	S	802500	VRS1
11.004	11.016	.371	S	*9843	#	—	—	—	S	802502	VRS3
9.125" (9-1/8") SHAFT						11.500	11.508	.625	S	417606	41
—	—	—	S	802200	VRS1	11.500	11.508	.625	V	*417606V	41
10.377	10.384	.625	S	*415352	41	11.500	11.510	.750	S	*417374	41
233,00mm (9.173") SHAFT						12.499	12.509	.687	S	9555S	41
—	—	—	S	802200	VRS1						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
9.620" SHAFT						10.500" (10-1/2") SHAFT (cont.)					
—	—	—	S	802500	VRS1	12.500	12.508	1.234	S	*7564	39
—	—	—	S	802502	VRS3	13.375	13.383	.750	S	*417607	41
12.750	12.758	1.250	V	*416381V	41	13.375	13.383	1.250	S	*417116	41
9.625" (9-5/8") SHAFT						10.625" (10-5/8") SHAFT					
—	—	—	S	802500	VRS1	—	—	—	S	802750	VRS1
—	—	—	S	802502	VRS3	—	—	—	S	802752	VRS3
12.750	12.758	1.250	S	416381	41	12.500	12.508	.625	S	*417641	41
9.750" (9-3/4") SHAFT						13.000	13.008	.750	S	*416100	41
—	—	—	S	802500	VRS1	270,00mm (10.630") SHAFT					
—	—	—	S	802502	VRS3	—	—	—	S	802750	VRS1
11.250	11.260	.750	S	55078S	5S	—	—	—	S	802752	VRS3
250,00mm (9.843") SHAFT						12.000	12.812	.371	S	*9063	#
—	—	—	S	802500	VRS1	310,00	310,45	16,00	S	*270X310X16★	35
—	—	—	S	802502	VRS3	12.205	12.222	.630			
280,00	280,35	15,00	S	*250X280X15★	35	10.750" (10-3/4") SHAFT					
11.024	11.037	.591				—	—	—	S	802750	VRS1
289,67	290,00	15,00	S	*250X290X15★	32	—	—	—	S	802752	VRS3
11.404	11.417	.591				13.374	13.381	1.250	S	416383	41
9.910" SHAFT						10.820" SHAFT					
—	—	—	S	802500	VRS1	—	—	—	S	802750	VRS1
—	—	—	S	802502	VRS3	—	—	—	S	802752	VRS3
10.995	11.005	.625	S	417939	41	12.000	12.015	.590	S	*4766S	#
10.997	11.005	.625	S	2792	33	11.000" SHAFT					
10.997	11.005	.625	S	456464	45	—	—	—	S	802750	VRS1
10.000" SHAFT						—	—	—	S	802752	VRS3
—	—	—	S	802500	VRS1	12.500	12.510	.625	S	417571	41
—	—	—	S	802502	VRS3	12.500	12.514	1.250	S	*476262	47
11.000	11.008	.625	S	417605	41	12.500	12.514	1.250	N	*476262N	47
11.000	11.010	.750	S	*415270	41	13.000	13.010	.750	S	415482	41
11.000	11.010	.750	S	*455270	45	11.006" SHAFT					
11.000	11.010	.750	N	*455270N	45	—	—	—	S	802750	VRS1
11.000	11.010	.750	V	*455270V	45	—	—	—	S	802752	VRS3
11.250	11.260	.750	S	*456483	45	12.875	12.891	.625	S	710925	230
11.500	11.508	.750	V	457096V	45	280,00mm (11.024") SHAFT					
12.000	12.008	.625	S	417020	41	—	—	—	S	802750	VRS1
260,00mm (10.236") SHAFT						—	—	—	S	802752	VRS3
—	—	—	S	802500	VRS1	320,00	320,45	20,00	S	280X320X20★	32
—	—	—	S	802502	VRS3	12.598	12.616	.787			
289,67	290,00	15,00	S	*260X290X15★	32	11.220" SHAFT					
11.404	11.417	.591				—	—	—	S	802750	VRS1
300,00	300,45	20,00	S	*260X300X20★	32	—	—	—	S	802752	VRS3
11.811	11.829	.787				12.250	12.260	.945	T	39899◀	#
10.250" (10-1/4") SHAFT						12.250	12.260	.945	T	39900▶	#
—	—	—	S	802500	VRS1	285,00mm (11.220") SHAFT					
—	—	—	S	802502	VRS3	319,67	320,00	20,00	S	*285X320X20★	32
12.250	12.260	.750	S	417570	41	12.585	12.598	.787			
265,00mm (10.433") SHAFT						290,00mm (11.417") SHAFT					
289,67	290,00	16,00	S	*265X290X16★	32	329,67	330,00	18,00	S	*290X330X18★	32
11.404	11.417	.630				12.979	12.992	.709			
10.500" (10-1/2") SHAFT						11.500" (11-1/2") SHAFT					
—	—	—	S	802750	VRS1	—	—	—	S	803000	VRS1
—	—	—	S	802752	VRS3	—	—	—	S	803002	VRS3
12.000	12.008	.625	S	457997	45						
12.500	12.508	.625	S	*417756	41						
12.500	12.508	1.000	S	415227	41						
12.500	12.508	1.000	V	*415227V	41						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Size Section

NATIONAL[®]

Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.	Hsg. Bore	Seal O.D.	Seal Width	Lip Mat'l	Part No.	Type/ Illus.
11.500" (11-1/2") SHAFT (cont.)						16.250" SHAFT (cont.)					
12.495	12.535	.250	S	*7387	#	18.000	18.010	.750	S	*4273	#
13.000	13.010	.750	S	415077	41	18.000	18.010	.750	S	55103S	45
13.500	13.508	.750	S	415076	41						
13.500	13.508	.750	V	*415076V	41						
11.586" SHAFT											
—	—	—	S	803000	VRS1						
—	—	—	S	803002	VRS3						
13.687	13.703	.562	S	711000	230						
300,00mm (11.811") SHAFT											
—	—	—	S	803000	VRS1						
—	—	—	S	803002	VRS3						
340,00	340,45	20,00	S	300X340X20★	32						
13.386	13.404	.787									
12.000" SHAFT											
—	—	—	S	803000	VRS1						
—	—	—	S	803002	VRS3						
13.500	13.508	.750	S	*457704	45						
14.000	14.010	.750	S	417608	41						
14.000	14.010	1.000	S	*7972S	45						
320,00mm (12.598") SHAFT											
—	—	—	V	803254	VRS1						
360,00	360,45	20,00	S	*320X360X20★	32						
14.173	14.191	.787									
12.750" (12-3/4") SHAFT											
—	—	—	V	803254	VRS1						
13.625	13.635	.562	S	*325940	32						
13.000" SHAFT											
—	—	—	V	803254	VRS1						
15.000	15.008	.750	S	*415648	41						
340,00mm (13.386") SHAFT											
—	—	—	S	803502	VRS3						
380,00	380,45	20,00	S	*340X380X20★	32						
14.961	14.978	.787									
13.797" SHAFT											
—	—	—	S	803502	VRS3						
15.500	15.516	.437	S	711200	230						
360,00mm (14.173") SHAFT											
—	—	—	S	803502	VRS3						
400,00	400,45	20,00	S	*360X400X20★	32						
15.748	15.766	.787									
380,00mm (14.961") SHAFT											
—	—	—	S	803750	VRS1						
420,00	420,45	20,00	S	*380X420X20★	32						
16.535	16.553	.787									
400,00mm (15.748") SHAFT											
—	—	—	S	804000	VRS1						
440,00	440,45	20,00	S	*400X440X20★	32						
17.323	17.341	.787									
16.250" SHAFT											
—	—	—	S	804000	VRS1						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

PLAIN ROUND FELTS

Shaft	O.D.	Width	Lip Mat'l	Part No.	Shaft	O.D.	Width	Lip Mat'l	Part No.
.938	1.500	.375	F	5MR1300	2.500	3.438	.313	F	5M89
1.750	2.438	.313	F	5M445	2.813	3.563	.313	F	5M559
1.938	2.875	.375	F	5M81	2.937	3.812	.313	F	5MR1009
1.938	3.000	.375	F	5M293	3.250	4.063	.313	F	5M643
2.000	2.750	.438	F	5M289	3.344	3.875	.281	F	5MR1301
2.000	3.125	.375	F	5M356	4.875	5.625	.375	F	5M544
2.000	3.125	.500	F	5M403	6.438	7.563	.500	F	5M466

For Illustration and Material Data see Technical Section

SEAL KITS

Kit Dimensions				Type/ Illus.	Seal No.	Seal Dimensions				Bolt Holes	Width	Remarks
Shaft	O.D.	Width	Bolt Holes Kit No.			Type/ Lip Illus. Mat'l	Shaft	O.D.				
-	-	-	5068	#	-	-	-	-	-	-	-	(Split Seal)
-	-	-	5073	#	-	-	-	-	-	-	-	Contains (2) G753 Gasket
-	-	-	5106	#	-	-	-	-	-	-	-	Split Seal
-	-	-	5111	#	-	-	-	-	-	-	-	(Split Seal)
-	-	-	5112	#	-	-	-	-	-	-	-	(Split Seal)
-	-	-	5118	#	-	-	-	-	-	-	-	(Split Seal)
-	-	-	5682	#	-	-	-	-	-	-	-	(Split Seal)
-	-	-	5685	35	-	-	-	-	-	-	-	-
-	-	-	5686	35	-	-	-	-	-	-	-	(Kit)
-	-	-	5690	*	-	-	-	-	-	-	-	(Repair Kit)
-	-	-	5694	35	• 1884 • 4899 722111	32 S 66 S	2.047 2.205	2.688 2.958	-	-	.394 .256	(Kit)
-	-	-	5700	35	-	-	-	-	-	-	-	(Kit)
-	3.030	.325	5092	#	-	-	-	-	-	-	-	(Split Seal)
-	4.000	.187	5116	#	-	-	-	-	-	-	-	(Split Seal)
-	4.200	.222	5108	#	-	-	-	-	-	-	-	(Split Seal)
-	4.862	.410	* 5479	#	-	-	-	-	-	-	-	Contains (2) • G196 Gasket & (2) • G214 Gasket
-	4.875	.410	5596	#	-	-	-	-	-	-	-	Contains (2) • G196 Gasket & (2) • G456 Gasket
-	4.875	.455	5476	#	-	-	-	-	-	-	-	Contains (2) • G211 Gasket
-	5.625	.430	5414	#	-	-	-	-	-	-	-	Contains (2) • G129 Gasket & • G130 Gasket & • G131 Gasket
-	5.700	.415	* 5576	#	-	-	-	-	-	-	-	Contains (2) • G427 Gasket
-	5.700	.415	5650	#	-	-	-	-	-	-	-	-
-	6.240	.400	5591	#	-	-	-	-	-	-	-	Contains (2) • G462 Gasket & (2) • G463 Gasket
-	6.600	.430	5390	#	-	-	-	-	-	-	-	Contains (2) • G214 Gasket & (2) • G594 Gasket
-	6.906	.440	5419	#	-	-	-	-	-	-	-	Contains (2) • G137 Gasket
1.062	1.507	.250	5346	34	• 340210	34 S	1.062	1.507	-	-	.250	Contains (2) • 666215 'O' Ring & • 666232 'O' Ring & • 666334 'O' Ring
1.062	2.129	.625	5168	41	• 413293	41 S	1.187	2.129	-	-	.375	Contains• JV1872 Wear Sleeve
1.172	1.832	.422	5462	33	• 6370N	33 N	1.299	1.832	-	-	.375	Contains• J712 Wear Sleeve
1.250	1.756	-	PSK-1	A	SR2 (2) SW2	-	-	-	-	-	-	(Kit)
-	-	-	-	-	5683++	32 S	1.250	1.756	-	-	.300	-
-	-	-	-	-	5684++	32 S	1.250	1.756	-	-	.399	-
1.250	2.254	.750	5166	41	• 410169	41 S	1.375	2.254	-	-	.500	Contains• JV1873 Wear Sleeve
1.376	2.254	1.370	5204	#	• 7495S	61 S	1.375	2.254	-	-	.713	Contains• RP 691 Bushing (Seal & Bushing Kit)
1.438	2.192	.480	5550	47	• 9249	47 S	1.437	2.192	-	-	.480	Contains• 623017 'O' Ring
1.493	2.507	.700	5592	39	• 8097%	39 S	1.476	2.447	-	-	.620	Contains• JV970 Wear Sleeve
1.500	2.378	1.500	5201	41	• 470059	47 S	1.500	2.378	-	-	.500	Contains• RP 605 Bushing (Seal & Bushing Kit)

Size Section—Kits

NATIONAL®



Kit Dimensions					Seal Dimensions									Remarks
Shaft	O.D.	Width	Bolt Holes	Kit No.	Type/ Illus.	Seal No.	Type/ Lip Illus.	Mat'l	Shaft	O.D.	Bolt Holes	Width		
1.500	2.378	1.500	—	5202	#	•7692S	79	S	1.500	2.376	—	1.458		Contains• RP 605 Bushing (Seal & Bushing Kit)
1.500	2.570	.550	—	5071	200	•200861%	200E	S	1.500	2.482	—	.290		Contains• JV933 Wear Sleeve
1.502	2.381	.940	—	5200	#	•9613S	71	S	1.500	2.381	—	.470		Contains• RP 356 Bushing (Seal & Bushing Kit)
1.562	2.506	.500	—	5331	45	•450185	45	S	1.562	2.506	—	.500		Contains• G199 Gasket
1.566	2.515	1.370	—	5207	#	•8935S	79	S	1.558	2.254	—	1.520		Contains• RP 553 Bushing (Seal & Bushing Kit)
1.688	2.687	1.240	—	5205	41	•7038SA	41	S	1.687	2.506	—	.582		Contains RP 717 Bushing (Seal & Bushing Kit)
1.688	2.850	2.120	—	5206	#	•7300S	79	N	1.685	2.506	—	1.250		Contains• RP 546 Bushing (Seal & Bushing Kit)
1.689	2.850	2.120	—	5203	#	•7300S	79	N	1.685	2.506	—	1.250		Contains• RP 661 Bushing (Seal & Bushing Kit)
1.750	3.376	.667	—	5302	39	•8398	39	S	1.937	3.376	—	.667		Contains• K259 Wiper
1.763	2.416	.563	—	5000	35	—	—	—	—	—	—	—		—
1.766	3.005	.875	—	5364	45	•451139	45	S	1.875	3.005	—	.375		Contains• JX825 Wear Sleeve
1.812	2.879	.718	—	5531	41	•410295	41	S	1.937	2.879	—	.468		Contains• JV1464 Wear Sleeve
1.875	2.565	.563	—	5001	35	—	—	—	—	—	—	—		—
1.875	2.627	.843	—	5599	47	•470455	47	S	1.937	2.627	—	.500		Contains• J990 Wear Sleeve
1.875	2.690	.625	—	5388	45	•450360	45	S	2.000	2.690	—	.500		Contains• J1107 Wear Sleeve
1.875	2.762	.500	—	5336	41	•410283	41	S	1.875	2.762	—	.500		Contains• G736 Gasket
1.875	2.808	.433	—	5699	#	4310	285	S	1.875	2.808	—	.433		Contains• AS232 'O' Ring
1.875	3.130	.625	—	5361	45	•450310N	45	N	2.000	3.130	—	.500		Contains• J1107 Wear Sleeve
1.875	3.150	.315	—	5697	#	4051	#	S	1.875	2.907	—	.315		Contains• AS232 'O' Ring
1.875	4.812	.312	12	5594	#	•7105S	#	S	1.875	4.812	12	.312		Contains (2) • G196 Gasket & (2) • G456 Gasket
1.880	2.414	.250	—	5458	35	•6910S	35	S	1.880	2.414	—	.250		Contains• 610101 'O' Ring
1.887	1.998	1.000	—	5208	#	•9449	74	S	1.890	2.704	—	.582		Contains RP775 Bushing (Seal & Bushing Kit)
1.915	2.548	.250	—	5499	#	•7020	#	S	1.915	2.548	—	.250		Contains• 610105 'O' Ring
1.915	2.548	.250	—	5573	#	•7020	#	S	1.915	2.548	—	.250		Contains• 610145 'O' Ring
2.000	3.376	.625	—	5161	41	•410972	41	S	2.125	3.376	—	.468		Contains• J1109 Wear Sleeve &• JV1837 Wear Sleeve
2.000	3.376	.625	—	5188	41	•410972N	41	N	2.125	3.376	—	.468		Contains• J1109 Wear Sleeve &• JV1837 Wear Sleeve
2.000	4.562	.562	7	5329	#	6465B++	#	F	2.000	4.562	7	.562		Contains (2) G33 Gasket
2.000	4.562	.562	7	5330	#	•6469	#	F	2.000	4.562	7	.562		Contains (2) • G34 Gasket
2.000	5.880	.448	8	5487	#	—	—	—	—	—	—	—		Contains (2) • G221 Gasket &• K251 Wiper
2.000	5.880	.458	8	*5172	50	•6959	#	S	2.375	5.880	8	.331		Contains• K251 Wiper &• G895A Gasket
2.010	2.965	.318	—	5695	#	•SK1++	#	S	2.030	2.601	—	.295		Contains• SK3 Wear Sleeve (Kit)
						•SK2++	#	S	2.010	2.876	—	.318		—
2.047	2.964	.315	—	5696	35	•1993	47	S	2.205	2.885	—	.492		(Kit)
						•4898	66	S	2.047	2.603	—	.295		—
						722110	—	—	—	—	—	—		—
2.120	3.505	.750	—	5521	41	•415093	41	S	2.250	3.505	—	.500		Contains• JV1456 Wear Sleeve
2.121	3.350	.500	—	5397	#	•9434%	46	S	2.121	3.296	—	.460		—
						•482435	48	S	2.172	3.350	—	.500		—
2.125	3.072	.433	—	5604	A	•3948	#	S	2.201	2.741	—	.197		Contains• JV2019 Wear Sleeve
2.129	2.766	.250	—	5488	48	•6957	48	N	2.129	2.766	—	.250		Contains• 610123 'O' Ring
2.129	2.766	.250	—	5589	48	•6957	48	N	2.129	2.766	—	.250		Contains• 666151 'O' Ring
2.187	3.194	.437	—	5332	45	450354	45	S	2.187	3.194	—	.437		Contains• G25 Gasket
2.250	3.256	.625	—	5160	41	•412038	41	S	2.375	3.256	—	.437		Contains• J1113 Wear Sleeve &• JV1836 Wear Sleeve
2.250	3.256	.625	—	5189	41	•412038N	41	N	2.375	3.256	—	.437		Contains• J1113 Wear Sleeve &• JV1836 Wear Sleeve
2.340	3.355	.650	—	5666	#	•3501V	69	V	2.420	3.355	—	.375		Contains• JX1966 Wear Sleeve
2.375	3.433	1.000	—	5602	47	•473274N	47	N	2.500	3.433	—	.375		Contains• JV1802 Wear Sleeve
2.375	4.943	1.000	—	5603	47	•3136N	47	N	2.500	4.943	—	.500		Contains• JV1802 Wear Sleeve
2.377	3.505	.937	—	5066	48	•3894V	48	V	2.500	3.505	—	.500		Contains• JX1920 Wear Sleeve Seal & Sleeve
2.420	3.558	.336	—	5698	#	4185	#	S	2.420	3.558	—	.336		Contains• AS043 'O' Ring
2.430	3.031	.380	—	5567	#	—	—	—	—	—	—	—		—
2.432	3.756	.750	—	*5520	41	•415244	41	S	2.562	3.756	—	.500		Contains• JV1455 Wear Sleeve
2.496	3.758	.625	—	5045	200	•200851%	200E	S	2.496	3.772	—	.315		Contains• JV1582 Wear Sleeve
2.500	6.125	.435	8	5401	50	•7512S	51	S	2.500	6.125	8	.400		Contains (2) • G41 Gasket &• G43 Gasket &• JV1304 Wear Sleeve
2.531	6.125	.500	—	5384	#	•7154S	#	S	2.531	6.125	—	.500		Contains• G41 Gasket
2.562	8.250	1.003	8	5406	51	•6481N	—	—	—	—	—	—		Contains• G40 Gasket &• K282 Wiper
2.625	3.480	.380	—	5072	#	—	—	—	—	—	—	—		—
2.625	3.755	.625	—	5147	200	•200919%	200E	S	2.625	3.960	—	.320		Contains• JV1517 Wear Sleeve
2.750	3.881	1.000	—	5584	41	•415479N	41	N	3.000	3.881	—	.468		Contains• K198 Wiper
2.812	4.504	1.000	—	5399	41	•415356	41	S	2.937	4.504	—	.468		Contains• JV1427 Wear Sleeve
2.835	3.425	.230	—	5163	#	—	—	—	—	—	—	—		—

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CCW ♦♦ Hydrodynamic Lip Design-Bidirectional
 ++ Not Sold Separately % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery • Sold Separately

Kit Dimensions				Seal Dimensions				Bolt				Remarks
Shaft	O.D.	Width	Bolt Holes Kit No.	Type/ Illus.	Seal No.	Type/ Lip Illus.	Mat'l	Shaft	O.D.	Holes	Width	
2.860	6.562	.571	12 5403	50	• 6479	#	S	2.860	6.460	12	.520	Contains• J493 Wear Sleeve
2.875	3.756	.625	— 5601	47	• 476023N	47	N	3.000	3.756	—	.375	Contains• JV1120 Wear Sleeve
2.988	3.740	1.165	— 5290	#	—	—	—	—	—	—	—	—
2.991	3.637	.385	— 5273	FW-H	• 100202T ◀	FW-H	T	2.991	3.637	—	.385	(Teflon®)
3.000	4.008	.625	— 5629	45	• 457034	45	V	3.125	4.008	—	.500	Contains• J1121 Wear Sleeve
3.000	4.008	.687	— 5657	45	• 457034	45	V	3.125	4.008	—	.500	Contains• JX1747 Wear Sleeve
3.000	8.250	.531	15 5452	50	• 6764S	#	S	3.125	8.250	15	.500	Contains• G48 Gasket &• G167 Gasket &• J495 Wear Sleeve
3.010	8.150	.925	8 5494	#	• 6897	#	S	3.125	8.250	8	.925	Contains (2) • G40 Gasket &• K156 Wiper
3.010	8.250	.571	10 5015	#	• 8369S	#	S	3.125	—	—	.571	Contains• G48 Gasket &• JV495 Wear Sleeve & (2) • G523 Gasket
3.010	8.250	.571	10 5313	#	• 8369S	#	S	3.125	—	—	.571	Contains• K282 Wiper & (2) • G523 Gasket
3.110	5.750	.375	8 5079	51	• 7896S	51	S	3.110	5.750	8	.375	—
3.112	4.633	.920	— 5100	#	• 9583 ◀▶	#	S	3.250	4.633	—	.706	Contains• JV1508 Wear Sleeve
3.119	4.130	.750	— 5509	25	• 255566H	25	H	3.250	4.130	—	.500	Contains• J1401 Wear Sleeve
3.119	4.756	.875	— 5518	41	—	—	—	—	—	—	—	—
3.124	8.250	.518	8 5408	50	• 6477S	#	S	3.226	8.250	8	.518	Contains (2) • G40 Gasket &• G42 Gasket &• J873 Wear Sleeve
3.125	4.130	.625	— 5120	41	• 415566N	41	N	3.250	4.130	—	.562	Contains• J1122 Wear Sleeve
3.125	4.130	1.000	— 5578	48	• 485500N	48	N	3.298	4.130	—	.562	Contains• K179 Wiper
3.125	7.500	.625	12 5405	50	• 6480	#	S	3.125	7.500	12	.531	Contains• G49 Gasket &• K282 Wiper
3.125	8.125	.571	7 5410	50	• 6505S	#	S	3.125	8.125	7	.571	Contains• G48 Gasket & (2) • G54 Gasket &• JV495 Wear Sleeve
3.125	8.250	.571	8 5185	51	—	—	—	—	—	—	—	—
3.250	4.008	.866	— 5609	5S	—	—	—	—	—	—	—	—
3.250	4.254	.625	— 5373	A	• 416294N	41	N	3.375	4.254	—	.500	Contains• J1123 Wear Sleeve
3.250	4.254	.625	— 5382	41	• 415613	41	S	3.375	4.254	—	.625	Contains• J1123 Wear Sleeve
3.250	4.254	.750	— 5169	47	• 476028	47	S	3.375	4.254	—	.468	Contains• JV1875 Wear Sleeve
3.250	4.572	.750	— 5593	200	• 200870%	200E	S	3.249	4.488	—	.318	Contains• JV980 Wear Sleeve
3.250	5.004	.625	— 5381	41	• 415025	41	S	3.375	5.004	—	.468	Contains• J1123 Wear Sleeve
3.375	4.380	.812	— 5588	39	• 8130%	#	S	3.375	4.380	—	.730	Contains• JV976 Wear Sleeve
3.438	4.012	.410	— 5095	#	—	—	—	—	—	—	—	(Rope Type)
3.438	4.313	.188	— 5117	#	—	—	—	—	—	—	—	(Split Seal)
3.465	4.266	.437	— 5287	FW-H	• 100239T ◀	FW-H	T	3.465	4.266	—	.437	Contains 732079 Gasket &• 733419 Gasket & 734280 Gasket (Teflon®)
3.500	5.256	.718	— * 5551	41	• 416335	41	S	3.625	5.256	—	.468	Contains• JV1494 Wear Sleeve
3.500	6.625	.531	— 5327	#	• 6245S	#	S	3.500	6.625	12	.531	Contains (2) • G35 Gasket
3.562	4.630	.700	— 5347	#	• 8480	#	S	3.557	4.530	—	.320	Contains• JV1170 Wear Sleeve
3.562	5.125	.875	— 5649	#	• 9584&	74	S	3.562	4.761	—	.550	Contains• JV1509 Wear Sleeve
3.562	5.256	.468	— 5532	41	• 416670	41	S	3.687	5.256	—	.468	Contains• JV1469 Wear Sleeve
3.583	4.375	.394	— 5279	FW-H	• 100052T ◀	FW-H	T	3.583	4.375	—	.394	Contains 731414 Gasket (Teflon®)
3.625	4.256	.390	— 5277	FW-H	• 100204T ◀	FW-H	T	3.625	4.256	—	.390	(Teflon®)
3.625	4.756	.875	— 5167	47	• 475379	47	S	3.750	4.756	—	.500	Contains• JV1874 Wear Sleeve
3.625	4.879	.585	— 5453	48	• 485497	48	S	3.625	4.879	—	.585	Contains• 633013 'O' Ring Kit
3.740	4.540	.492	— 5274	FW-H	• 100203T ◀	FW-H	T	3.740	4.540	—	.492	Contains 733215 Gasket (Teflon®)
3.750	4.506	.362	— 5278	FW-H	• 100205T ◀	FW-H	T	3.750	4.506	—	.362	(Teflon®)
3.750	4.756	.625	— 5084	#	—	—	—	—	—	—	—	—
3.865	6.102	.975	— 5667	#	• 4269	74	S	4.000	5.700	—	.850	Contains• J2058 Wear Sleeve
3.868	5.506	.921	— 5475	25	• 6864S	45	S	4.050	5.506	—	.671	Contains• J718 Wear Sleeve
3.930	5.381	.875	— 5028	#	• 9586	#	S	4.062	5.378	—	.627	Contains• JV1511A Wear Sleeve
3.937	5.506	.859	— 5465	45	• 455037	45	S	4.062	5.506	—	.562	Contains• JV1362 Wear Sleeve
3.937	5.506	.859	— 5563	25	• 6864S	45	S	4.050	5.506	—	.671	Contains• JV1362 Wear Sleeve
3.937	5.509	.597	— 5089	#	• 2155 ◀▶	#	S	4.062	5.509	—	.597	Contains• JV1511 Wear Sleeve
3.937	5.678	.875	— 5076	#	• 9586	#	S	4.062	5.378	—	.627	Contains• JV1511 Wear Sleeve
3.994	5.004	.718	— 5526	41	• 415134	41	S	4.125	5.004	—	.468	Contains• JV1461 Wear Sleeve
3.994	5.005	.625	— 5065	45	• 455134H	45	H	4.125	5.005	—	.468	Contains• J1129 Wear Sleeve
4.000	5.004	.625	— 5376	41	• 415134N	41	N	4.125	5.004	—	.468	Contains• J1129 Wear Sleeve
4.000	5.004	.937	— 5581	#	• 7390%	#	S	4.000	4.906	—	.821	Contains• JV943 Wear Sleeve
4.062	5.506	.875	— 5170	41	• 415039	41	S	4.187	5.506	—	.562	Contains• JV1473 Wear Sleeve
4.062	6.000	.875	— 5537	41	• 416673	41	S	4.187	6.007	—	.625	Contains• JV1473 Wear Sleeve
4.375	6.259	.843	— 5077	#	• 9587&	#	S	4.500	6.257	—	.820	Contains• JV1512 Wear Sleeve
4.500	6.259	.862	— 5075	#	• 9588&	#	S	4.625	6.257	—	.550	Contains• JV1513 Wear Sleeve
4.642	5.756	.750	— 5008	45	• 455053	45	S	4.750	5.757	—	.562	Contains• JX847 Wear Sleeve
4.646	5.756	.625	— 5625	48	• 485138	48	S	4.750	5.756	—	.500	Contains• JX1386 Wear Sleeve
4.687	5.756	1.562	— 5460	45	• 455251H	45	H	4.812	5.756	—	.562	Contains• JV729 Wear Sleeve
4.687	5.756	1.562	— 5461	7S	• 75251S	7S	S	4.812	5.756	—	.750	Contains• J729 Wear Sleeve
4.687	7.635	.359	— 5575	#	• 6701	#	S	4.740	7.575	6	.410	Contains JV608 Wear Sleeve
4.743	6.256	.812	— 5527	41	• 415068	41	S	4.875	6.256	—	.562	Contains• JV1462 Wear Sleeve
4.750	6.006	.750	— * 5010	47	• 476621H	47	H	4.875	6.006	—	.562	Contains• J1135 Wear Sleeve
4.750	6.256	.750	— 5377	A	• 415068N	41	N	4.875	6.256	—	.562	Contains• J1135 Wear Sleeve
4.759	6.316	1.250	— 5481	47	• 6872S	47	S	5.500	6.316	—	1.250	Contains• JV753 Wear Sleeve
4.759	6.505	1.125	— 5483	43	• 6873S	43	S	5.500	6.505	—	1.125	Contains• JV753 Wear Sleeve
4.759	7.004	1.250	— 5495	43	• 7006S	43	S	5.500	7.004	—	1.250	Contains• JV753 Wear Sleeve
4.812	6.316	1.250	— 5471	47	• 6872S	47	S	5.500	6.316	—	1.250	Contains• JV701 Wear Sleeve

Designed For A Specific Application - Not Recommended For General Use ◀ Hydrodynamic Lip Design-CCW ◀▶ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery • Sold Separately

Size Section—Kits

NATIONAL®



Shaft	Kit Dimensions			Type/ Illus.	Seal No.	Seal Dimensions			Bolt Holes	Width	Remarks
	O.D.	Width	Holes Kit No.			Type/ Illus.	Lip Mat'l	Shaft	O.D.		
4.812	6.505	1.125	—	5473	43	•6873S	43 S	5.500	6.505	—	1.125 Contains• JV701 Wear Sleeve
4.812	7.004	1.250	—	5472	43	•7006S	43 S	5.500	7.004	—	1.250 Contains• JV701 Wear Sleeve
4.834	5.756	.710	—	5033	#	•3492	48 T	5.000	5.756	—	.500 Contains• JX2162 Wear Sleeve
4.841	5.756	.750	—	5665	#	•3492V	48 V	5.000	5.756	—	.500 Contains JX1967 Wear Sleeve
4.875	6.006	.715	—	5643	#	•3782	# H	5.000	6.006	—	.500 Contains• J1606 Wear Sleeve
4.993	6.131	.750	—	5229	41	•416172	41 S	5.125	6.131	—	.562 Contains• J1137 Wear Sleeve
5.000	6.006	.717	—	5722	94	•947090	94 T	5.125	6.006	—	.413 Contains• JL2370 Wear Sleeve
5.000	6.131	.875	—	5199	7H	•8971H	7S H	5.125	6.131	—	.750 Contains• JX1831 Wear Sleeve
5.000	6.131	.875	—	5624	45	•456557	45 V	5.125	6.131	—	.500 Contains• JX1831 Wear Sleeve
5.179	6.513	1.380	—	5424	32	•327984	32 T	5.312	6.513	—	.500 Contains• JF2280 Wear Sleeve
5.180	6.507	.750	—	*5082	45	•456986H	45 H	5.312	6.507	—	.625 Contains• J2037 Wear Sleeve
5.187	6.513	1.380	—	5422	32	•327984	32 T	5.312	6.513	—	.500 Contains• JF2280 Wear Sleeve
5.500	6.631	.875	—	5146	41	•415487	41 S	5.625	6.631	—	.625 Contains• JV1463 Wear Sleeve
5.625	6.632	1.000	—	5383	45	455447	45 S	5.750	6.632	—	.625 Contains• J1355 Wear Sleeve
5.875	7.008	.875	—	5228	45	•456055V	45 V	6.000	7.008	—	.625 Contains• JX1002 Wear Sleeve
5.991	6.757	.500	—	5039	#	•4165V	# V	6.107	6.757	—	.500 Contains• JV2088 Wear Sleeve
5.998	6.757	.675	—	5645	#	•4165V	# V	6.107	6.757	—	.500 Contains• J2051 Wear Sleeve
6.000	6.757	.750	—	5026	33	•336665H	33 H	6.125	6.757	—	.375 Contains• J1141 Wear Sleeve
6.079	7.336	.600	—	5637	#	•2628	64 H	6.204	7.336	—	.562 Contains• J1895 Wear Sleeve
6.079	7.336	.750	—	5613	#	•2628	64 H	6.204	7.336	—	.562 Contains• K458 Wiper &• J1842 Wear Sleeve
6.204	7.336	.812	—	*5634	#	•3807	64 H	6.328	7.336	—	.500 Contains• J1825 Wear Sleeve
6.500	8.007	.750	—	5436	91	914412	91 T	6.625	8.007	—	.750 Contains JG2361 Wear Sleeve
6.500	8.007	.750	—	5441	91	914411	91 T	6.625	8.007	—	.750 Contains JL2361 Wear Sleeve
6.500	8.007	1.000	—	5443	91	914413	91 T	6.625	8.007	—	1.000 Contains JG2345 Wear Sleeve
6.875	8.382	.750	—	5538	41	•416674	41 S	7.000	8.382	—	.750 Contains• JV1474 Wear Sleeve
6.875	8.633	.825	—	5164	#	•3123	# S	6.956	8.633	—	.750
						•3124%	46 S	6.875	8.543	—	.825
7.369	9.010	.875	—	5276	41	•415551	41 S	7.500	9.010	—	.750 Contains• JV1190 Wear Sleeve
7.908	9.508	.960	—	5615	#	•3624	# S	8.000	9.508	—	.860
						•3776S	# S	7.908	9.535	—	.960
9.057	10.719	1.000	—	5632	#	•3689	# V	9.173	10.719	—	.625 Contains• J1984 Wear Sleeve
9.265	11.385	.990	—	5175	45	•455871V	45 V	9.375	11.385	—	.750 Contains• JV829 Wear Sleeve
9.375	11.383	.825	—	5227	#	•3502	45 S	9.477	11.383	—	.750
						•3503%	# S	9.375	11.273	—	.825

Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type Illus.	Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type Illus.	Part No.
—	—	2.515	2.855	.510	#	JV1931	—	2.250	2.404	3.073	.770	#	J1064
5.000	—	5.125	—	.717	19	JL2370	2.288	2.284	2.386	—	.453	15	JV1018
.750	.745	.875	—	.500	19	J1594	2.289	2.284	2.386	—	.453	15	J756
.750	.745	.875	—	.500	19	JV1594	2.312	2.307	2.437	—	.625	19	J1114
.875	.869	.999	—	.562	19	J1267	2.312	2.307	2.437	—	.625	19	JV1114
.875	.869	.999	—	.562	19	JV1267	2.375	2.370	2.500	—	.625	19	J1115
1.041	1.036	1.125	—	.625	19	J1246	2.375	2.370	2.500	—	.625	19	JV1115
1.041	1.036	1.125	—	.625	19	JV1246	2.375	2.370	2.500	—	1.000	19	JV1802
1.062	1.057	1.187	1.437	.640	10	JV1872	2.375	2.370	2.500	—	1.000	19	JX1990
1.125	1.120	1.250	—	.500	19	J1158	2.382	2.377	2.491	—	.937	19	JX1920
1.125	1.120	1.250	—	.500	19	JX1158	2.412	2.400	2.518	—	.435	15	JV1304
1.125	1.120	1.250	—	.625	19	J1432	2.423	2.418	—	2.680	.488	#	J1043
1.125	1.120	1.250	—	.625	19	JV1432	2.437	2.432	2.562	2.750	.750	10	JV1455
1.177	1.172	1.300	—	.422	19	J712	—	2.437	2.570	—	.550	1	JV933
1.250	1.245	1.375	1.562	.750	10	JV1873	2.458	2.453	2.507	—	.700	1	JV970
1.251	1.246	1.375	—	.500	19	JV1252	2.475	2.470	2.625	—	1.125	19	J1876
1.251	1.246	1.375	—	.500	19	JX1252	2.500	2.495	2.625	—	.625	19	J1117
1.343	1.338	1.500	—	.625	19	JV1409	2.500	2.495	2.625	—	.625	19	JV1117
1.365	1.360	1.496	—	.625	19	JV1410	2.500	2.495	2.625	—	.625	19	JX1117
1.375	1.370	1.500	—	.625	19	JV1277	2.500	2.495	2.625	—	.875	19	J1288
1.468	1.463	1.625	—	.625	19	J1493	2.502	2.498	2.627	—	1.000	19	J1780
1.468	1.463	1.625	—	.625	19	JV1493	2.536	2.531	3.128	—	.625	#	J790
1.500	1.495	1.625	—	.415	19	J1807	2.536	2.531	3.128	—	.625	#	JV790
1.500	1.495	1.625	—	.625	19	J1101	2.641	2.562	2.755	—	.690	1	J1086
1.500	1.495	1.625	—	.625	19	JV1101	2.567	2.562	3.115	—	.625	#	JV1161
1.562	1.557	1.687	—	.625	19	J1102	2.625	2.620	2.750	—	.625	19	J1118
1.562	1.557	1.687	—	.625	19	JV1102	2.625	2.620	2.750	—	.625	19	JV1118
1.625	1.620	1.750	—	.535	19	JX1505	2.636	2.630	2.722	—	.500	1	JV1373
1.625	1.620	1.750	—	.625	19	J1103	2.698	2.690	2.774	—	.953	#	JV1216
1.625	1.620	1.750	—	.625	19	JV1103	2.728	2.722	2.806	—	.590	1	JV1215
1.625	1.620	1.750	—	.750	19	J1397	2.750	2.745	2.875	—	.625	19	J1119
1.625	1.620	1.755	—	.625	19	JV1500	2.750	2.745	2.875	—	.625	19	JV1119
1.646	1.641	1.745	—	.625	19	J983	2.750	2.745	2.875	—	.625	19	J1515
1.731	1.726	1.812	3.000	1.000	#	J1211	2.750	2.745	2.875	—	.750	19	JX1576
1.737	1.732	—	3.100	.203	10	J121	2.750	2.745	2.875	—	.875	19	J1289
1.750	1.745	1.875	—	.625	19	J1105	2.763	2.758	2.860	—	.435	15	J493
1.750	1.745	1.875	—	.625	19	JV1105	—	2.799	2.911	3.125	.640	#	JV1673
1.750	1.745	1.875	—	.625	19	JX1105	2.809	2.804	2.894	3.250	.500	8	JV1076
1.766	1.761	1.871	—	.875	19	J825	2.812	2.807	2.937	3.156	1.000	10	JV1427
1.766	1.761	1.871	—	.875	19	JV825	2.812	2.807	2.943	3.156	1.000	10	J1427
1.766	1.761	1.871	—	.875	19	JX825	2.875	2.870	3.000	—	.625	19	J1120
1.843	1.781	1.937	2.521	.782	8	J1049	2.875	2.870	3.000	—	.625	19	JV1120
1.812	1.807	1.937	—	.625	19	J1106	2.875	2.870	3.000	—	.625	19	JX1120
1.812	1.807	1.937	—	.625	19	JV1106	2.890	2.885	3.000	—	1.000	19	J1173
1.812	1.807	1.937	2.125	.718	10	JV1464	2.890	2.885	3.000	—	1.000	19	JV1173
1.852	1.847	1.947	—	.647	19	J1094	2.906	2.900	3.000	3.125	.562	#	*JV1099
1.875	1.870	2.000	—	.562	19	J1063	2.906	2.900	3.000	3.125	.562	#	JV1371
1.875	1.870	2.000	—	.625	19	J1107	2.896	2.965	—	—	.245	#	SK3++
1.875	1.870	2.000	—	.625	19	JV1107	3.000	2.994	3.125	—	.625	19	J1121
1.875	1.870	2.000	—	.625	19	JV1403	3.000	2.994	3.125	—	.625	19	JV1121
1.876	1.871	1.933	—	.843	19	J990	3.000	2.994	3.125	—	.687	19	JX1747
1.980	1.975	2.111	—	.625	19	JV1837	3.000	2.995	3.125	—	1.250	#	J1044
2.000	1.995	2.125	—	.625	19	J1109	3.010	3.005	3.115	—	.435	15	JV495
2.000	1.995	2.125	—	.625	19	JV1109	3.035	3.030	3.125	3.750	1.070	8	J1191
2.000	1.995	2.125	—	.750	19	J1396	3.125	3.118	3.261	3.562	.920	10	JV1508
2.062	2.057	2.187	—	.625	19	J1110	3.125	3.119	3.225	—	.625	19	J1082
2.062	2.057	2.187	—	.625	19	JV1110	3.125	3.119	3.250	—	.625	19	J1122
2.075	2.070	2.125	2.375	.448	10	J1235	3.125	3.119	3.250	—	.625	19	JV1122
2.097	2.093	2.187	2.725	.770	8	J1065	3.125	3.119	3.250	—	.625	19	JX1122
2.125	2.120	2.250	—	.625	19	J1111	3.125	3.119	3.250	—	.750	19	J1401
2.125	2.120	2.250	—	.625	19	JV1111	3.125	3.119	3.250	—	.750	19	JX1401
2.125	2.120	2.250	2.250	.625	19	JX1111	3.130	3.124	3.226	—	.435	15	J873
2.125	2.120	2.250	2.437	.750	10	JV1456	3.146	3.140	3.224	—	.625	1	JV949
2.126	2.121	2.200	2.953	.302	#	JV2019	—	3.187	3.322	—	.970	1	J872
—	2.140	2.331	2.625	.625	—	JV1157	3.250	3.244	3.353	—	.625	19	J1084
2.187	2.182	2.312	—	.625	19	J1112	3.250	3.244	3.375	—	.625	19	J1123
2.187	2.182	2.312	—	.625	19	JV1112	3.250	3.244	3.375	—	.625	19	JV1123
2.236	2.231	2.375	—	.625	19	JV1836	3.250	3.244	3.375	3.625	.750	10	JV1875
2.250	2.245	2.375	—	.625	19	J1113	3.266	3.260	3.313	—	.453	1	JV1236
2.250	2.245	2.375	—	.625	19	JV1113	3.375	3.369	3.500	—	.625	19	J1124

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ++ Not Sold Separately * Call 1-800-480-1212 For Price and Delivery

Size Section—Wear Sleeves

NATIONAL®



Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type Illus.	Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type Illus.	Part No.
3.375	3.369	3.500	—	.625	19	JV1124	4.535	4.530	4.625	—	.670	#	J1284
3.375	3.369	3.500	—	1.125	19	J1718	4.541	4.535	4.625	—	.468	1	J1151
3.475	3.375	3.573	—	.800	1	JV1179	4.625	4.618	4.739	—	.340	19	J1155
3.419	3.414	3.510	—	.531	1	JV1091	4.625	4.618	4.750	—	.750	19	J1134
3.437	3.430	3.566	3.875	.875	10	JV1509	4.625	4.618	4.750	—	.750	19	JV1134
—	3.453	4.380	—	.812	2	JV976	4.636	4.631	4.744	—	.750	19	JX847
3.500	3.494	3.625	—	.625	19	J1125	4.646	4.639	4.742	—	.625	19	JX1386
3.500	3.494	3.625	—	.625	19	JV1125	4.687	4.679	4.812	—	1.240	19	JF2282
3.500	3.494	3.625	—	.625	19	JX1125	4.687	4.680	4.740	—	.283	15	*JV608
3.500	3.494	3.625	3.937	.718	10	JV1494	4.687	4.680	4.812	—	1.240	19	JX1867
3.500	3.494	3.625	—	.875	19	J1293	4.687	4.683	4.812	—	1.562	19	J729
3.562	3.556	3.666	3.825	.718	10	J1469	4.687	4.683	4.826	—	1.562	19	JV729
3.562	3.556	3.687	3.825	.718	10	JV1469	4.918	4.687	5.009	—	.906	1	JV1060
4.691	3.562	4.786	—	.840	1	J1025	4.750	4.743	4.853	5.187	.812	10	JV1462
3.625	3.619	3.750	—	.625	19	J1126	4.750	4.743	4.875	—	.750	19	J1135
3.625	3.619	3.750	—	.625	19	JV1126	4.750	4.743	4.875	—	.750	19	JV1135
3.625	3.619	3.750	—	.625	19	JV1368	4.764	4.759	5.510	—	.875	#	JV753
3.625	3.619	3.750	4.000	.875	10	JV1874	4.812	4.812	5.510	—	.875	#	JV701
3.668	3.662	3.798	—	.530	#	JV1936	4.834	4.829	4.994	—	.710	#	JX2162
3.678	3.670	3.755	—	.625	1	JV1517	4.840	4.834	5.000	—	.750	19	*JX1967
3.678	3.670	3.758	—	.625	1	JV1582	4.875	4.868	5.000	—	.715	19	J1606
3.686	3.680	3.767	—	.625	1	JV1166	4.875	4.868	5.000	—	.750	19	J1136
3.721	3.715	3.805	4.200	.458	19	JV1152	4.875	4.868	5.000	—	.750	19	JV1136
3.742	3.732	3.821	—	.500	#	J1750	4.875	4.868	5.000	—	.750	19	JX1136
3.750	3.744	3.875	—	.625	19	J1127	4.875	4.868	5.000	—	1.000	19	JV2038
3.750	3.744	3.875	—	.625	19	JV1127	4.875	4.868	5.000	—	1.250	19	JV1999
—	3.750	3.942	4.250	.500	#	JV1897	4.917	4.910	5.004	—	.937	1	JV943
3.874	3.868	4.035	—	.831	19	JV1074	—	4.937	5.128	5.875	.838	8	J1159
3.874	3.868	4.040	4.500	.921	10	JV1361	5.000	4.993	5.125	—	.750	19	J1137
3.875	3.869	4.000	—	.625	19	J1128	5.000	4.993	5.125	—	.750	19	JV1137
3.875	3.869	4.000	—	.625	19	JV1128	5.000	4.993	5.125	—	.750	19	JX1137
3.875	3.869	4.000	—	.625	19	JX1128	5.000	4.993	5.125	—	.875	19	JX1831
3.930	3.925	4.375	—	.875	#	JV1511A	5.187	5.179	5.312	—	1.380	19	JF2280
3.936	3.930	4.042	4.375	.859	#	JV1362	5.187	5.180	5.312	—	.750	19	J2037
3.937	3.930	4.070	4.375	.875	10	JV1511	5.250	5.243	5.375	—	.750	19	J1138
4.000	3.989	4.125	—	.625	19	J1129	5.250	5.243	5.375	—	.750	19	JV1138
4.000	3.994	4.125	—	.625	19	JV1129	5.375	5.368	5.500	—	.750	19	J1081
4.000	3.994	4.125	4.312	.718	10	JV1461	5.375	5.368	5.500	—	.848	#	J1828
—	4.000	4.630	—	.700	1	JV1976	5.375	5.368	5.500	—	.848	#	JX1828
4.062	4.056	4.187	4.375	.875	10	JV1473	5.392	5.385	5.500	—	.625	19	JV1704
4.090	4.083	—	5.125	.235	#	J1380	5.400	5.393	5.442	—	.760	1	JV1944
4.125	4.119	4.250	—	.625	19	J1130	5.500	5.493	5.625	—	.750	19	J1139
4.125	4.119	4.250	—	.625	19	JV1130	5.500	5.493	5.625	—	.750	19	JV1139
4.275	4.187	4.375	5.125	.898	8	J1172	5.500	5.493	5.625	5.812	.875	10	JV1463
4.275	4.187	4.375	5.125	.898	8	JV1172	5.625	5.618	5.750	—	1.000	19	J1355
4.212	4.207	4.325	—	.984	19	JX2045	5.625	5.618	5.750	—	1.000	19	JV1355
4.250	4.244	4.375	—	.750	19	J1131	5.625	5.618	5.754	—	1.250	19	JV1978
4.250	4.244	4.375	—	.750	19	JV1131	5.637	5.630	5.755	—	1.175	1	J953
4.250	4.244	4.375	—	.750	19	JX1131	5.641	5.634	5.743	—	.750	19	JX845
4.260	4.256	4.387	4.625	.656	10	JV1210	5.750	5.743	5.875	—	.750	19	J1140
4.481	4.312	4.572	—	.750	1	JV980	5.750	5.743	5.875	—	.750	19	JV1140
4.346	4.340	4.906	5.625	.563	#	J1425	5.795	5.785	5.880	—	1.000	1	JV1550
4.375	4.368	4.500	4.812	.843	10	JV1512	5.875	5.868	6.000	—	.875	19	JV1002
4.375	4.369	4.500	—	.750	19	J1132	5.875	5.868	6.000	—	.875	19	JX1002
4.375	4.369	4.500	—	.750	19	JV1132	5.900	5.890	6.000	7.125	1.035	8	J1245
4.375	4.369	4.500	—	.750	19	JX1132	5.991	5.986	6.100	—	.455	#	JV2088
4.465	4.459	4.575	5.125	.230	14	J1405	6.000	5.993	6.125	—	.750	19	J1141
4.474	4.468	4.604	—	.530	19	JV1935	6.000	5.993	6.125	—	.750	19	JV1141
4.500	4.493	4.625	—	.625	19	J1238	6.000	5.993	6.125	6.125	.750	19	JX1141
4.500	4.493	4.625	—	.625	19	JX1238	6.080	6.073	6.204	—	.600	19	J1895
4.500	4.493	4.625	—	.625	19	J1929	6.081	6.073	6.204	—	.750	19	J1842
4.500	4.493	4.625	—	.687	19	JV1363	6.079	6.073	6.204	—	.866	19	J2053
4.500	4.493	4.625	—	.687	19	JX1363	6.081	6.073	6.204	—	1.031	19	J1824
4.500	4.493	4.625	—	.750	19	J1133	6.187	6.180	6.312	—	.848	#	J1838
4.500	4.493	4.625	—	.750	19	JV1133	6.206	6.198	6.328	—	.812	19	J1825
4.500	4.493	4.625	4.937	.912	10	JV1513	6.206	6.198	6.328	—	.812	19	JV1825
4.500	4.494	5.500	—	.875	#	J1197	6.375	6.368	6.500	—	.875	19	J1869
4.502	4.496	4.627	—	1.000	19	J1880	6.375	6.368	6.500	—	.875	19	JV1869
—	4.500	5.130	—	.600	1	JV1077	6.444	6.437	6.526	—	.550	1	JV1019
—	4.500	5.130	—	.700	1	JV1977	6.500	6.492	6.625	—	.625	19	*JL2361

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery

Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type Illus.	Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type Illus.	Part No.
6.500	6.492	6.625	—	.750	19	*JG2361							
6.500	6.492	6.625	—	.875	19	*JG2345							
6.575	6.515	6.687	7.531	1.040	8	J1059							
6.875	6.867	7.000	—	.750	19	J1278							
6.875	6.867	7.000	—	.750	19	JV1278							
6.875	6.867	7.000	7.187	1.000	10	JV1474							
6.892	6.884	6.993	—	.937	19	JX846							
7.117	7.109	8.356	8.453	1.684	#	J892							
7.221	7.214	—	7.767	.491	#	J893							
7.375	7.367	7.500	—	.875	19	JV1190							
7.375	7.367	7.500	—	.875	19	JX1190							
—	7.500	7.881	8.562	.781	#	JV1378							
7.625	7.617	7.750	—	1.125	19	JV1759							
7.750	7.742	7.875	—	1.000	19	JV1760							
7.875	7.867	8.011	—	.750	19	JV1669							
8.125	8.117	8.250	—	1.470	19	JV1850							
—	8.125	8.250	9.500	.875	8	J1196							
—	8.125	8.250	9.375	1.085	#	J1629							
8.525	8.517	8.625	10.550	1.105	8	J1087							
9.058	9.048	9.173	—	1.000	19	J1984							
9.265	9.256	9.365	—	.990	19	JV829							
9.265	9.256	9.365	—	.990	19	JX829							
9.265	9.256	9.365	—	.990	19	JXS829							
10.312	10.303	10.479	—	1.125	19	JV1808							
10.915	10.906	—	11.975	.815	10	J930							
12.345	11.260	12.400	—	.590	1	J986							

Size Section—Redi-Sleeves

NATIONAL®



Shaft Range		Part No.	Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
Minimum	Maximum					
.469	.475	99049	.236	.331	.787	.472
.498	.502	99050	.250	.344	.610	2.008
.560	.566	99056	.250	.391	.750	1.831
.589	.593	99059	.197	.354	.750	.425
.623	.627	99062	.313	.406	.813	2.000
.626	.630	99058	.313	.438	.718	2.000
.667	.671	99068	.315	.433	1.063	2.008
.682	.686	99060	.313	.438	.900	2.000
.704	.709	99082	.315	.433	1.063	1.811
.748	.752	99076	.313	.438	.938	2.000
.748	.752	99075	.375	.500	.900	2.000
.759	.761	99081	.313	.438	.938	2.000
.780	.784	99080	.313	.438	.935	2.000
.785	.789	99078	.313	.433	.999	2.000
.857	.861	99086	.250	.375	1.155	2.000
.861	.866	99085	.315	.472	1.058	1.813
.873	.877	99087	.313	.438	1.093	2.000
.908	.912	99091	.313	.438	1.218	1.847
.966	.970	99094	.313	.438	1.130	2.000
.966	.970	99096	.625	.719	1.130	2.000
.982	.986	99098	.313	.433	1.378	2.000
.998	1.002	99101	.313	.438	1.219	2.000
1.019	1.024	99103	.313	.472	1.312	1.813
1.060	1.064	99106	.313	.438	1.320	2.812
1.087	1.091	99108	.313	.438	1.406	.625
1.100	1.104	99111	.375	.500	1.375	2.813
1.123	1.127	99112	.313	.438	1.575	.688
1.154	1.158	99120	.375	.500	1.350	.688
1.173	1.178	99122	.313	.438	1.575	.688
1.179	1.184	99114	.315	.433	1.400	.688
1.185	1.190	99118	.313	.438	1.400	.875
1.216	1.222	99123	.315	.438	1.575	.688
1.237	1.243	99141	.315	.438	1.540	.688
1.247	1.253	99125	.313	.438	1.500	.688
1.257	1.263	99128	.315	.437	1.496	.709
1.308	1.314	99129	.250	.375	1.600	.813
1.310	1.316	99131	.500	.625	1.594	.813
1.336	1.342	99134	.500	.625	1.638	.813
1.371	1.377	99133	.313	.438	1.638	.813
1.371	1.377	99138	.500	.625	1.638	.813
1.375	1.381	99139	.512	.630	1.638	.812
1.412	1.417	99146	.518	.669	1.689	.984
1.432	1.438	99143	.563	.688	1.781	1.000
1.435	1.441	99144	.375	.500	1.781	1.016
1.453	1.460	99145	.375	.500	1.781	.812
1.490	1.496	99147	.512	.669	1.780	.984
1.497	1.503	99150	.375	.500	1.781	1.016
1.497	1.503	99149	.563	.688	1.781	1.000
1.520	1.526	99152	.438	.563	1.859	1.016
1.549	1.555	99155	.438	.563	1.859	1.000
1.559	1.565	99156	.563	.688	1.859	1.000
1.572	1.578	99157	.512	.630	1.850	1.023
1.602	1.608	99160	.500	.641	1.938	1.000
1.622	1.628	99161	.313	.438	1.875	1.016
1.623	1.628	99162	.563	.688	1.875	.813
1.647	1.654	99166	.445	.571	2.087	.827
1.647	1.654	99169	.563	.688	2.087	.827
1.684	1.690	99168	.563	.688	1.906	.875
1.685	1.691	99167	.313	.438	1.906	.875
1.715	1.721	99171	.563	.688	2.031	.813
1.736	1.742	99170	.375	.500	2.063	.813
1.747	1.753	99172	.375	.500	2.055	.813
1.747	1.753	99180	.531	.625	2.063	.875
1.747	1.753	99174	.563	.688	2.063	.813
1.747	1.753	99175	.750	.875	2.063	.813
1.761	1.767	88176	.563	.688	2.063	.813
1.761	1.767	99176	.563	.688	2.063	.813
1.769	1.775	99177	.551	.669	2.087	.812
1.778	1.784	88179	.675	.800	2.125	1.000
1.778	1.784	99179	.675	.800	2.125	1.062

Shaft Range		Part No.	Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
Minimum	Maximum					
1.809	1.815	99181	.563	.688	2.156	1.000
1.857	1.863	99185	.563	.688	2.156	1.000
1.866	1.872	88186	.889	1.025	2.187	1.000
1.866	1.872	99186	.889	1.025	2.187	1.000
1.872	1.878	99190	.175	.295	2.203	.744
1.872	1.878	99188	.295	.415	2.203	.744
1.872	1.878	99184	.375	.516	2.203	1.050
1.872	1.878	88187	.563	.688	2.203	1.000
1.872	1.878	99187	.563	.688	2.203	1.000
1.887	1.893	99189	.551	.668	2.205	.984
1.909	1.915	99192	.375	.500	2.219	1.000
1.934	1.940	99193	.563	.688	2.219	1.000
1.965	1.971	99196	.551	.688	2.244	.984
1.977	1.983	99198	.563	.704	2.313	1.050
1.997	2.003	88199	.563	.688	2.406	1.000
1.997	2.003	99199	.563	.688	2.406	1.000
1.997	2.003	99200	.875	1.000	2.406	1.000
2.041	2.047	99204	.500	.625	2.469	1.000
2.057	2.063	99205	.781	.938	2.469	1.375
2.123	2.128	99210	.500	.750	2.422	1.281
2.124	2.130	99212	.781	.938	2.422	1.375
2.162	2.168	99215	.787	.905	2.441	1.250
2.186	2.192	88218	.781	.938	2.500	1.313
2.186	2.192	99218	.781	.938	2.500	1.313
2.197	2.205	99220	.500	.625	2.500	1.250
2.227	2.233	99229	.500	.625	2.531	1.313
2.227	2.233	99230	.781	.906	2.531	1.250
2.237	2.243	99226	.764	.900	2.562	1.250
2.249	2.255	99227	.313	.438	2.531	1.313
2.249	2.255	88225	.781	.938	2.531	1.313
2.249	2.255	99225	.781	.938	2.531	1.313
2.309	2.315	99231	.781	.938	2.688	1.600
2.327	2.333	88233	.750	.875	2.750	1.610
2.327	2.333	99233	.750	.875	2.750	1.610
2.359	2.365	99241	.370	.449	2.783	1.472
2.359	2.365	99235	.787	.905	2.785	1.375
2.369	2.375	99236	.781	.938	2.750	1.375
2.372	2.378	99238	.594	.750	2.750	1.375
2.374	2.380	99240	.526	.683	2.750	1.375
2.374	2.380	99237	.781	.938	2.734	1.375
2.434	2.440	99243	.781	.938	2.828	1.375
2.435	2.441	99242	.500	.626	2.827	1.417
2.489	2.495	99249	.781	.938	2.875	1.393
2.497	2.503	99253	.555	.650	2.820	.890
2.500	2.506	99248	.500	.656	2.828	1.375
2.500	2.506	99250	.781	.938	2.828	1.375
2.510	2.516	99251	.781	.906	2.828	1.438
2.556	2.562	99254	.787	.905	2.850	1.378
2.560	2.566	99256	.781	.938	2.891	1.375
2.595	2.602	99259	.781	.938	2.990	1.250
2.618	2.624	99261	.781	.938	3.047	1.375
2.621	2.627	99264	.781	.906	3.047	1.375
2.622	2.628	99260	.500	.625	3.047	1.375
2.625	2.631	99262	.781	.938	3.047	1.375
2.727	2.733	99268	.781	.906	3.125	1.313
2.740	2.746	99273	.781	.938	3.065	1.250
2.745	2.751	99274	.781	.938	3.125	1.250
2.747	2.753	99270	.781	.906	3.125	1.250
2.747	2.753	99267	1.438	1.625	3.075	1.625
2.750	2.756	99272	.406	.563	3.125	1.250
2.750	2.756	99275	.781	.938	3.125	1.250
2.750	2.756	99269	1.125	1.250	3.125	1.250
2.753	2.759	99276	.787	.945	3.125	1.250
2.809	2.815	99281	.594	.688	3.188	1.250
2.838	2.844	99282	.500	.656	3.225	1.250
2.866	2.872	99286	.781	.938	3.188	1.250
2.873	2.879	99287	.781	.938	3.219	1.250
2.937	2.943	99290	.500	.641	3.344	1.331
2.937	2.943	99293	.781	.938	3.344	1.250
2.950	2.956	99289	.594	.689	3.272	1.102

Size Section—Redi-Sleeves

NATIONAL®



Shaft Range		Part No.	Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
Minimum	Maximum					
2.950	2.956	99294	.866	1.024	3.305	1.312
2.972	2.976	99292	.813	—	—	—
2.990	2.996	99291	.484	.625	3.359	1.331
2.990	2.996	99298	.563	.688	3.359	1.375
2.990	2.996	99299	.813	1.000	3.359	1.250
2.997	3.003	99296	.813	.938	3.240	1.375
3.000	3.006	99303	.625	.813	3.345	1.063
3.000	3.006	99300	.813	1.000	3.453	1.250
3.008	3.014	99301	.500	.625	3.355	2.000
3.120	3.126	99311	.688	.813	3.531	2.000
3.120	3.126	99312	.813	1.000	3.531	2.000
3.124	3.132	99307	.551	.709	3.525	2.031
3.142	3.150	99313	.750	.886	3.540	1.375
3.146	3.153	99317	.433	.590	3.543	1.378
3.146	3.153	99315	.827	.945	3.543	1.375
3.225	3.231	99328	.661	.850	3.587	1.732
3.247	3.253	99322	.813	1.000	3.594	1.375
3.248	3.254	99323	.600	.725	3.585	1.375
3.250	3.256	99324	.595	.719	3.594	1.375
3.250	3.256	99326	.688	.875	3.585	1.250
3.250	3.256	99325	.813	1.000	3.594	1.375
3.307	3.313	99331	.813	1.000	3.688	1.375
3.337	3.346	99333	.827	.984	3.700	1.378
3.338	3.346	99334	.827	.984	3.697	1.433
3.373	3.379	99338	.375	.500	3.688	1.410
3.373	3.379	99337	.813	1.000	3.688	1.375
3.435	3.441	99339	.781	.906	3.844	1.406
3.477	3.483	99340	.781	.906	3.835	1.406
3.500	3.506	99347	.315	.500	3.827	1.339
3.500	3.506	99350	.813	1.000	3.844	1.375
3.501	3.507	99349	.626	.811	3.842	1.339
3.540	3.546	99353	.528	.665	4.000	1.732
3.540	3.546	99351	.710	.906	4.000	1.813
3.540	3.546	99354	.906	1.102	4.000	1.750
3.560	3.566	99356	.813	1.000	3.900	1.750
3.618	3.624	99360	.811	1.000	4.031	1.732
3.623	3.629	99363	.500	.625	4.025	1.750
3.623	3.629	99362	.813	1.000	4.031	1.750
3.684	3.690	99368	.313	.438	3.830	.875
3.685	3.691	99359	.813	.938	4.025	1.750
3.685	3.691	99365	.813	.938	4.025	1.750
3.737	3.743	99369	.827	.945	4.025	1.750
3.740	3.746	99374	.344	.500	4.031	1.750
3.740	3.746	99364	.469	.594	4.035	1.750
3.746	3.752	99376	.563	.688	4.025	1.750
3.750	3.756	99367	.344	.500	4.031	1.750
3.750	3.756	99372	.688	.875	4.031	1.875
3.873	3.879	99387	.813	1.000	4.219	1.875
3.935	3.941	99393	.813	1.000	4.313	1.340
3.998	4.006	99401	.500	.625	4.375	2.066
3.998	4.006	99395	.600	.725	—	2.050
3.998	4.006	99400	.650	.775	4.375	1.375
3.998	4.006	99399	.813	1.000	4.375	1.250
4.122	4.130	99412	.813	1.000	4.420	1.375
4.130	4.138	99413	.787	.906	4.470	1.378
4.183	4.191	99418	.813	1.000	4.500	1.375
4.226	4.234	99423	.781	.906	4.610	1.438
4.248	4.256	99424	.813	1.000	4.813	1.375
4.327	4.335	99435	.509	.650	4.921	1.250
4.370	4.378	99437	.813	1.000	4.750	1.650
4.434	4.442	99439	1.000	1.142	4.813	1.313
4.496	4.504	99450	.813	1.000	5.000	1.375
4.523	4.531	99452	.813	.938	5.000	1.250
4.621	4.629	99465	.438	.625	5.000	1.375
4.621	4.629	99463	1.000	1.250	5.063	1.375
4.685	4.693	99468	.812	1.000	5.062	1.375
4.720	4.728	99473	.787	.984	5.110	1.260
4.746	4.754	99475	.500	.750	5.250	1.500
4.801	4.807	99472	.787	.945	5.177	1.260
4.871	4.879	99487	.625	.752	5.252	1.457

Shaft Range		Part No.	Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
Minimum	Maximum					
4.917	4.925	99490	.394	.551	5.402	1.457
4.917	4.925	99492	1.024	1.260	5.400	1.438
4.998	5.006	99498	.688	.875	5.400	1.438
4.998	5.006	99499	.813	1.000	5.406	1.500
5.110	5.118	99494	.750	.938	5.493	1.181
5.117	5.125	99491	.866	.996	5.492	1.299
5.246	5.254	99525	.813	1.000	5.560	1.250
5.371	5.379	99537	.813	1.000	5.875	1.250
5.498	5.506	99549	.812	1.000	5.938	1.250
5.508	5.516	99552	.807	1.000	5.945	1.250
5.746	5.754	99575	.813	1.000	6.180	1.750
5.871	5.879	99587	1.000	1.250	6.188	1.313
5.895	5.905	99595	1.024	1.181	6.260	1.338
5.934	5.942	99596	1.000	1.125	6.375	1.875
5.995	6.003	99601	.500	.750	6.360	1.750
5.995	6.003	99599	1.000	1.250	6.375	1.750
6.092	6.102	99606	1.024	1.181	6.500	1.299
6.245	6.255	99625	1.031	1.250	6.625	1.750
6.289	6.299	99630	1.000	1.250	7.000	1.800
6.495	6.505	99650	1.000	1.250	7.000	1.750
6.683	6.693	99640	1.250	1.496	7.188	1.750
6.745	6.755	99675	.813	1.063	7.125	1.750
6.995	7.005	99700	1.000	1.250	7.500	1.750
7.077	7.087	99721	1.300	1.496	7.500	1.752
7.244	7.254	99725	1.250	1.500	7.760	2.175
7.495	7.505	99750	.813	1.000	7.875	1.250
7.745	7.755	99775	1.000	1.313	8.270	1.875
7.869	7.879	99787	1.359	1.500	8.375	1.750
7.933	7.943	99799	1.000	1.250	8.375	1.750
7.995	8.005	99800	1.000	1.250	8.375	1.750

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
1000 SERIES							1000 SERIES (cont.)						
1012★	S	45.00	62.00	62.30	8.00	35	1172★➡	H	35.00	47.00	47.40	7.00	32
		1.772	2.441	2.453	.315				1.378	1.850	1.866	.276	
1012N★	S	45.00	62.00	62.30	8.00	35	1173★	N	35.00	67.00	67.27	12.00	32
		1.772	2.441	2.453	.315				1.378	2.638	2.648	.472	
1015★	S	18.00	28.00	28.20	6.00	35	1174★	S	38.00	52.00	52.25	8.50	32
		.709	1.102	1.110	.236				1.496	2.047	2.057	.335	
1015N★	S	18.00	28.00	28.20	6.00	35	1175★➡	S	38.00	58.00	58.25	11.00	32
		.709	1.102	1.110	.236				1.496	2.283	2.293	.433	
1019★◄	H	76.00	93.00	93.30	10.00	32	1176★	N	38.00	65.00	65.27	12.00	#
		2.992	3.661	3.673	.394				1.496	2.559	2.570	.472	
1021★◄	V	70.00	87.00	87.40	8.50	32	1177★	N	38.00	74.00	74.27	11.00	32
		2.756	3.425	3.441	.335				1.496	2.913	2.924	.433	
1021V★◄	V	70.00	87.00	87.40	8.50	32	1178★	S	40.00	52.00	52.25	6.00	32
		2.756	3.425	3.441	.335				1.575	2.047	2.057	.236	
1036★➡	S	40.00	76.00	76.25	8.00	40	*1179★	S	40.00	62.00	62.25	10.00	#
		1.575	2.992	3.002	.315				1.575	2.441	2.451	.394	
1037	S	1.125	1.500	1.504	.250	35	1180★	S	41.00	55.00	55.29	7.00	32
1038★➡	N	38.00	59.00	59.30	9.00	32			1.614	2.165	2.177	.276	
		1.496	2.323	2.335	.354		1181★	S	41.00	56.00	56.25	7.00	35
									1.614	2.205	2.215	.276	
1041	S	.500	1.006	1.010	.250	48	1183★	S	43.00	55.00	55.25	8.00	34
1049	S	.750	1.125	1.129	.250	33			1.693	2.165	2.175	.315	
*1070	S	1.250	2.133	2.137	.313	35	*1184★	N	45.00	60.00	60.25	10.00	35
*1077★	S	35.00	52.00	52.13	8.50	33			1.772	2.362	2.372	.394	
		1.378	2.047	2.052	.335		*1185★	S	45.00	62.00	62.30	10.00	32
*1078★	S	40.00	60.00	60.20	10.00	33			1.772	2.441	2.453	.394	
		1.575	2.362	2.370	.394		1187★	S	47.00	68.00	68.27	10.00	32
*1086★	S	35.00	58.00	58.14	11.90	33			1.850	2.677	2.688	.394	
		1.378	2.283	2.289	.469		1188★	S	48.00	62.00	62.25	6.00	34
1097	S	1.375	1.947	1.951	.500	33			1.890	2.441	2.451	.236	
1097N	S	1.375	1.947	1.951	.500	33	*1189★	S	50.00	70.00	70.30	9.50	32
*1107★	S	28.00	40.00	40.31	7.00	33			1.969	2.756	2.768	.374	
		1.102	1.575	1.587	.276		1192	S	1.605	2.374	2.386	.375	32
1108★➡	V	35.00	48.00	48.40	7.00	32	*1193★	S	27.00	41.00	41.10	9.50	#
		1.378	1.890	1.906	.276				1.063	1.614	1.618	.374	
1110	F	1.400	1.969	2.000	.250	#	1195	S	1.562	2.061	2.275	.338	32
1119★➡	V	35.00	54.00	54.30	8.00	32	1196★	S	38.00	52.00	52.25	6.00	47
		1.378	2.126	2.138	.315				1.496	2.047	2.057	.236	
1120★◄	V	38.00	53.00	53.30	8.00	32	*1204★	S	32.00	58.00	58.29	12.70	32
		1.496	2.087	2.098	.315				1.260	2.283	2.295	.500	
1121★◄	V	31.00	46.00	46.28	8.00	32	1205★	S	39.00	52.00	52.30	11.30	47
		1.220	1.811	1.822	.315				1.535	2.047	2.059	.445	
1126★	S	39.00	50.50	50.75	8.50	25	1205N★	S	39.00	52.00	52.10	11.30	47
		1.535	1.988	1.998	.335				1.535	2.047	2.051	.445	
1128★	S	39.00	50.80	51.00	7.50	35	1207★	S	55.00	74.00	74.28	9.20	49
		1.535	2.000	2.008	.295				2.165	2.913	2.924	.362	
1129★	S	30.00	40.00	40.25	7.00	35	1207N★	S	55.00	74.00	74.10	9.20	49
		1.181	1.575	1.585	.276				2.165	2.913	2.917	.362	
1136★◄	N	35.00	76.00	76.30	12.50	30	1208★	S	48.00	72.00	72.31	7.00	32
		1.378	2.992	3.004	.492				1.890	2.835	2.847	.276	
*1140★	N	35.00	68.00	68.23	12.50	32	1209★	S	50.00	65.00	65.33	8.50	35
		1.378	2.677	2.686	.492				1.969	2.559	2.572	.335	
1146★◄	N	40.00	76.00	76.28	12.50	32	1213★	S	40.00	54.00	54.10	5.50	47
		1.575	2.992	3.003	.492				1.575	2.126	2.130	.217	
1147★➡	N	35.00	76.00	76.28	9.00	32	1213N★	S	40.00	54.00	54.10	5.50	47
		1.378	2.992	3.003	.354				1.575	2.126	2.130	.217	
*1162★	S	70.00	90.00	90.40	10.00	35	1214★	S	42.00	54.89	55.00	8.00	47
		2.756	3.543	3.559	.394				1.654	2.161	2.165	.315	
*1163★	S	22.00	40.00	40.18	16.00	#	1214N★	S	42.00	54.89	55.00	8.00	47
		.866	1.575	1.582	.630				1.654	2.161	2.165	.315	
1167★	N	32.00	52.00	52.25	11.00	32	1215★	N	35.00	48.00	48.25	14.00	#
		1.260	2.047	2.057	.433				1.378	1.890	1.900	.551	
1168★	S	33.00	50.00	50.25	12.00	32	1215N★	N	35.00	48.00	48.25	14.00	#
		1.299	1.969	1.978	.472				1.378	1.890	1.900	.551	
*1169★	N	35.00	50.00	50.24	12.00	32	1216★&	N	40.00	64.00	64.00	11.98	74
		1.378	1.969	1.978	.472				1.575	2.520	2.520	.472	
1170★	S	35.00	52.00	52.25	10.00	32	1216N★&	N	40.00	64.00	64.10	12.00	74
		1.378	2.047	2.057	.394				1.575	2.520	2.524	.472	
*1171★	S	35.00	55.00	55.30	11.00	32	1217★&	N	40.00	52.00	52.28	9.00	35
		1.378	2.165	2.177	.433				1.575	2.047	2.058	.354	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
1000 SERIES (cont.)							1000 SERIES (cont.)						
1873	S	1.562	2.320	2.326	.374	35	1974★	S	50.00	67.00	67.27	11.00	97
1883★%	S	52.00	67.00	67.30	7.00	#			1.969	2.638	2.648	.433	
		2.047	2.638	2.650	.276		1975★	S	52.00	63.00	63.23	8.00	32
1884★	S	52.00	68.00	68.28	10.00	32			2.047	2.480	2.489	.315	
		2.047	2.677	2.688	.394		1979★➡	N	45.00	75.00	75.10	12.00	47
1906	S	1.763	2.126	2.134	.382	31			1.772	2.953	2.957	.472	
1928★	S	57.00	81.00	81.10	9.00	47	* 1980★➡	H	35.00	50.00	50.25	10.00	32
		2.244	3.189	3.193	.354				1.378	1.969	1.978	.394	
1932★	S	56.00	68.00	68.28	10.00	49	1981★	S	30.00	45.00	45.23	8.00	35
		2.205	2.677	2.688	.394				1.181	1.772	1.781	.315	
1935★	S	63.00	90.00	90.10	7.00	47	1984★	S	57.00	67.00	67.11	6.00	25
		2.480	3.543	3.554	.276				2.244	2.638	2.642	.236	
1936★	S	49.00	64.00	64.28	12.50	#	1985★	S	60.00	90.00	90.25	22.00	#
		1.929	2.520	2.531	.492				2.362	3.543	3.553	.866	
1937★	S	47.00	64.00	64.28	14.00	#	1986★	S	72.00	88.00	88.25	8.00	48
		1.850	2.520	2.531	.551				2.835	3.465	3.474	.315	
1938★	S	45.00	64.00	64.25	19.00	#	1987★	N	35.00	49.21	49.63	6.00	33
		1.772	2.520	2.530	.748				1.378	1.937	1.954	.236	
1939★	S	45.00	64.00	64.26	13.00	#	1989★	S	28.60	43.00	43.15	6.50	47
		1.772	2.520	2.530	.512				1.126	1.693	1.699	.256	
1940★➡	N	35.00	49.60	49.83	11.00	32	1990★➡	N	27.00	43.00	43.25	9.00	32
		1.378	1.953	1.962	.433				1.063	1.693	1.703	.354	
1941★	S	50.00	77.50	77.70	9.00	47	1992★	S	45.00	65.00	65.10	5.00	47
		1.969	3.051	3.071	.354				1.772	2.559	2.563	.197	
1943★	S	45.00	72.20	72.34	7.50	44	1993★	S	56.00	73.00	73.28	12.50	47
		1.772	2.843	2.848	.295				2.205	2.874	2.885	.492	
* 1944★➡	H	42.00	56.00	56.13	7.00	32	1994★	S	48.00	70.00	70.28	10.00	32
		1.654	2.205	2.210	.276				1.890	2.756	2.767	.394	
1945★◄	H	82.00	105.00	105.30	13.00	32	* 1997★	S	45.00	62.00	62.10	10.16	#
		3.228	4.134	4.146	.512				1.772	2.441	2.445	.400	
* 1946★	S	42.00	62.00	62.27	10.00	35	1999	S	1.625	2.251	2.255	.375	48
		1.654	2.441	2.452	.394		PSK-1	See Kit Section					
1948★	S	50.00	68.00	68.28	8.00	35	* SK1++	S	2.030	-	2.601	.295	#
		1.969	2.677	2.688	.315		* SK2++	S	2.010	-	2.876	.318	#
1949	S	1.875	2.441	2.445	.325	48	2000 SERIES						
1950★	S	41.00	53.00	53.25	7.00	41	* 2000★	S	42.00	58.00	58.10	10.00	33
		1.614	2.087	2.096	.276				1.654	2.283	2.287	.394	
1951★&	S	45.00	64.00	64.11	11.86	87	2001★◄	S	60.00	82.00	82.28	12.00	32
		1.772	2.520	2.524	.467				2.362	3.228	3.239	.472	
1952	S	1.771	3.656	3.656	.282	54	2002★	S	54.00	65.00	65.28	12.50	47
1953★	N	42.00	60.00	60.22	7.04	32			2.126	2.559	2.570	.492	
		1.654	2.362	2.371	.277		2003★	S	36.00	55.00	55.09	6.50	47
1955★	S	52.00	65.00	65.30	9.00	35			1.417	2.165	2.169	.256	
		2.047	2.559	2.571	.354		2003N★	S	36.00	55.00	55.09	6.50	47
1956★	S	48.00	62.00	62.10	24.00	#			1.417	2.165	2.169	.256	
		1.890	2.441	2.445	.945		2004★◄	S	14.00	24.00	24.25	12.70	#
1958★	S	55.00	82.00	82.30	10.00	35			.551	.945	.955	.500	
		2.165	3.228	3.240	.472		2007★➡	S	35.00	56.00	56.30	9.00	#
1959	S	1.869	2.781	2.789	.354	32			1.378	2.205	2.217	.354	
1960★	S	50.00	70.00	70.23	9.00	47	2007N★➡	S	35.00	56.00	56.30	9.00	#
		1.969	2.756	2.765	.354				1.378	2.205	2.217	.354	
1962★&	S	40.00	52.00	52.12	8.50	78	2008★&	S	32.00	54.00	54.20	10.00	#
		1.575	2.047	2.052	.335				1.260	2.126	2.134	.394	
1963★➡	N	22.00	40.00	40.34	7.75	35	2009★	N	38.00	63.00	63.12	10.00	#
		.866	1.575	1.588	.305				1.496	2.480	2.485	.394	
1964★	S	57.00	72.00	72.25	8.40	47	2011★➡	N	40.00	75.00	75.26	12.00	40
		2.244	2.835	2.844	.331				1.575	2.953	2.963	.472	
1965★	V	36.00	60.00	60.20	8.00	48	2012★➡	V	43.00	55.00	55.20	6.00	32
		1.417	2.362	2.370	.315				1.693	2.165	2.173	.236	
1966★➡	H	38.00	52.00	52.30	8.00	35	2012V★➡	V	43.00	55.00	55.20	6.00	32
		1.496	2.047	2.059	.315				1.693	2.165	2.173	.236	
1969★	S	48.00	63.00	63.09	9.00	47	* 2013★	S	45.00	62.00	62.30	12.00	32
		1.890	2.480	2.484	.354				1.772	2.441	2.453	.472	
1970★	S	30.00	42.00	42.27	7.00	35	2016★◄	S	30.00	45.00	45.20	15.00	#
		1.181	1.654	1.664	.276				1.181	1.772	1.780	.591	
1971★	S	50.00	64.00	64.10	6.50	47	2025★	V	42.00	60.00	60.42	7.00	32
		1.969	2.520	2.524	.256				1.654	2.362	2.379	.276	
1973★	S	48.00	65.00	65.30	8.00	25	2027★	S	15.00	24.00	24.20	5.00	35
		1.890	2.559	2.571	.315				.591	.945	.953	.197	
							2043	S	1.940	2.762	2.766	.500	47

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW ++ Not Sold Separately

% External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
2000 SERIES (cont.)							2000 SERIES (cont.)						
*2054	S	3.187	4.625	4.630	.442	47	*2826	S	1.875	2.873	2.877	.394	#
2055	S	3.468	4.626	4.631	.625	47	*2834	S	2.000	2.623	2.626	.580	#
2064S	S	4.166	5.625	6.800	.210	#	*2854	N	1.687	2.500	2.506	1.535	79
2081	S	2.843	3.939	3.944	.495	41	*2855	S	.748	1.499	1.504	.312	#
*2082	S	4.166	5.502	5.506	.600	45	*2867V	V	3.753	4.720	4.730	.552	#
*2093H	H	4.000	4.562	4.568	.375	33	*2876&	S	1.558	2.372	2.376	.350	74
*2102	S	1.869	2.518	2.522	.437	#	*2910	S	3.500	4.840	4.848	.897	#
*2108	S	2.500	4.003	4.008	.468	45	2922	S	1.552	2.447	2.452	.500	86
*2109	S	3.253	4.499	4.505	.468	41	2942	N	1.875	2.560	2.565	.406	47
2146	S	1.687	2.560	2.579	.375	#	2955	N	1.709	2.205	2.213	.292	71
*2151H	H	5.500	6.251	6.257	.500	25	3000 SERIES						
*2155	S	4.062	5.500	5.509	.597	#	3016	S	5.875	8.001	8.007	.750	45
*2175	S	1.500	2.377	2.381	.500	47	*3028V	V	1.875	2.758	2.762	.425	25
*2177	S	2.598	3.999	4.004	.730	#	3051	H	42.00	55.00	55.12	8.00	33
2194	N	1.500	2.372	2.376	.420	88	3051N	H	42.00	55.00	55.12	8.00	33
*2205	S	1.500	2.249	2.254	.280	#	3054	H	1.654	2.165	2.170	.315	33
2207	S	1.815	2.562	2.566	.562	290	*3054V	V	42.00	55.00	55.12	8.00	33
2218	H	3.750	4.751	4.756	.500	47	*3061H	H	1.654	2.165	2.170	.315	33
2222&	S	2.750	3.773	3.781	.435	286	*3061V	V	5.500	6.625	6.632	.670	41
2260	V	3.125	3.936	3.943	.512	45	*3061V	V	6.312	7.500	7.507	.690	41
2261	V	110.00	130.00	130.18	12.70	32	*3072V	V	6.312	7.500	7.507	.690	41
*2278	V	4.331	5.118	5.125	.500	#	*3072V	V	.562	1.124	1.128	.531	49
*2279	H	2.875	3.876	3.881	.468	#	*3074V	V	.625	1.124	1.128	.531	49
2286	S	2.500	3.500	3.505	.500	47	*3075	S	.750	1.250	1.254	.437	282
2287	S	2.201	3.519	3.523	.590	74	3083	H	1.650	2.282	2.336	.768	48
2291	H	.750	1.250	1.254	.280	274	3087	S	2.048	2.728	2.732	.590	#
*2297	H	3.125	4.125	4.130	.500	41	3095	S	2.240	3.190	3.194	.450	69
2297V	V	6.000	6.750	6.757	.500	25	*3098	S	5.500	8.494	8.501	1.062	#
2300	S	6.000	6.750	6.757	.500	25	3100	S	4.750	6.186	6.192	1.250	89
*2326	S	1.318	2.620	2.625	.875	#	3103	S	2.180	3.190	3.194	.620	69
*2326N	N	1.500	2.374	2.378	.500	47	3116	N	1.375	2.374	2.378	.500	71
*2363	S	1.500	2.374	2.378	.500	47	3116N	N	1.375	2.374	2.378	.500	71
2377	V	5.500	6.500	6.505	1.125	#	*3120N	N	1.500	2.374	2.378	.250	47
*2439	H	3.750	4.501	4.506	.362	35	*3123	S	6.956	8.625	8.633	.750	#
2440	N	2.125	3.189	3.194	.468	47	*3124%	S	6.875	8.543	8.543	.825	46
2443	N	45.00	60.00	60.25	10.80	69	*3126	S	1.000	2.875	2.879	.468	41
2457	N	1.772	2.362	2.372	.425	#	3136N	N	2.500	4.938	4.943	.500	47
2465	S	1.375	1.952	1.957	.500	25	3143N&	N	3.000	5.500	5.506	.531	74
*2499	S	2.125	2.880	2.885	.550	#	*3145	S	1.326	2.226	2.231	.500	#
2503	N	1.680	2.500	2.506	1.535	79	3173	N	1.937	2.686	2.690	.304	48
2503N	N	3.270	3.655	3.660	.500	#	3186	S	1.875	3.150	3.146	.930	59
2505	S	1.100	1.572	1.578	.308	48	3195	S	1.875	3.150	3.146	.930	59
*2505V	V	4.625	6.186	6.192	1.250	89	3199	S	1.250	1.955	1.960	.435	48
2506&	S	4.625	6.186	6.192	1.250	89	*3203	S	4.375	5.501	5.506	.562	47
*2515V	V	1.558	2.372	2.376	1.500	79	*3204	S	3.000	4.003	4.008	.468	#
*2523	S	3.000	4.376	4.381	.760	#	3210	S	2.437	3.624	3.628	.375	49
*2551	S	2.125	3.125	3.130	.500	41	3214	S	1.365	1.955	1.960	.435	48
2628	H	2.187	1.713	1.718	.500	25	3227	N	1.748	2.623	2.627	.330	83
*2643N	N	1.187	1.713	1.718	.500	25	*3237	S	1.399	2.292	2.296	.460	33
2655	N	6.204	7.328	7.336	.562	64	*3241	N	1.178	1.654	1.659	.276	33
2658	H	2.500	3.548	3.553	.546	#	*3275	S	4.500	5.501	5.506	.562	47
2658V	V	1.375	2.244	2.254	1.197	79	*3276	S	6.500	7.501	7.508	.812	#
2674	S	1.609	2.435	2.441	.300	75	*3278	V	2.375	3.500	3.505	.730	#
*2689	S	1.609	2.435	2.441	.300	75	3292	S	5.375	6.875	6.882	1.000	89
2692	N	2.875	4.175	4.180	.812	89	*3329	S	1.875	2.875	2.879	.500	#
*2699	S	1.875	2.877	2.865	.490	56	*3339	S	2.875	3.876	3.881	.468	44
*2704	S	1.875	2.877	2.865	.490	25	3341	H	4.812	5.544	5.552	.535	100
*2756N&	N	1.875	2.561	2.565	.528	76	3348	S	32.99	51.92	52.02	12.45	47
*2757N&	N	3.250	6.125	6.149	.500	#	3350	N	1.299	2.044	2.048	.490	#
2791	S	4.500	6.305	6.313	.954	#	*3357	S	2.625	3.625	3.630	.600	#
2792	S	2.375	3.875	3.881	1.060	74	3369	S	38.00	52.04	52.15	6.35	283
*2820	S	2.375	4.498	4.504	1.060	74	3385	S	1.496	2.049	2.053	.250	#
2822V	V	9.000	10.376	10.384	.625	33	*3392	S	4.250	5.125	5.130	.360	#
		9.910	10.997	11.005	.625	33	3392	S	3.180	4.180	4.185	.750	74
		1.500	2.372	2.376	.350	47	3394	H	40.00	55.00	55.17	9.60	47
		48.01	65.07	65.20	12.70	#			1.575	2.165	2.172	.378	
		1.890	2.562	2.567	.500								
		2.062	3.000	3.005	.375	41							

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ⬅ Hydrodynamic Lip Design-CCW

◄ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. ¶ Expandable O.D. § Inside Diameter-Rides On Ball

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
3000 SERIES (cont.)							3000 SERIES (cont.)						
3395	S	1.437	2.061	2.066	.312	47	*3782	H	5.000	6.001	6.006	.500	#
*3402	S	5.500	7.625	7.631	1.250	#	3783	H	2.875	3.623	3.628	.500	65
3404➡	H	1.996	2.743	2.751	.325	75	3794	S	2.010	2.650	2.655	.363	49
*3428	S	1.500	2.327	2.332	.406	204	*3802	S	.737	1.375	1.382	.312	#
*3438N	N	1.250	2.000	2.004	.437	#	3807	H	6.328	7.329	7.336	.500	64
*3439N	N	1.562	2.375	2.379	.500	#	3813	H	2.625	3.695	3.700	.500	64
*3440V	V	2.625	3.623	3.628	.468	#	*3814N	N	3.500	5.250	5.256	.500	#
*3441V	V	2.875	4.003	4.008	.468	#	3816★&	S	18.00	30.00	30.10	6.70	271
*3447&	S	1.940	2.500	2.505	.250	286			.709	1.181	1.185	.264	
3459★↔➡	N	40.00	58.00	58.14	9.00	74	*3873	S	1.550	2.686	2.690	.500	#
		1.575	2.283	2.289	.354		3893V	V	3.750	4.750	4.756	.500	45
3476★➡	N	32.00	47.00	47.24	10.00	32	3894V	V	2.500	3.499	3.505	.500	48
		1.260	1.850	1.860	.394		3896➡	S	1.940	2.909	2.914	.520	76
*3492	T	5.000	5.751	5.756	.500	48	3905&	N	3.000	4.938	4.943	.740	76
3492V	V	5.000	5.751	5.756	.500	48	3907★↔➡	N	30.00	58.00	58.09	9.50	57
*3501V	V	2.420	3.349	3.355	.375	69			1.181	2.283	2.287	.374	
*3502	S	9.477	11.375	11.383	.750	45	3909↔	V	3.625	4.240	4.256	.390	35
*3503%	S	9.375	11.273	11.273	.825	#	3942&	S	2.500	3.226	3.231	.190	284
*3513	S	1.940	2.812	2.816	.400	#	3945↔➡	N	2.330	3.000	3.005	.400	48
*3517➡	S	1.763	2.409	2.416	.380	47	3946↔➡	S	1.875	2.750	2.754	.500	86
*3517V➡	V	1.763	2.409	2.416	.380	47	*3948	S	2.201	2.735	2.741	.197	#
3543★↔➡	H	35.00	54.89	55.04	14.66	57	*3966★	S	45.00	64.00	64.11	16.40	#
		1.378	2.161	2.167	.577				1.772	2.520	2.524	.646	
3553&	S	2.201	2.735	2.741	.197	284	*3967★	S	40.00	52.00	52.12	7.50	#
*3575V	V	3.500	4.376	4.381	.500	#			1.575	2.047	2.052	.295	
3583➡	H	1.748	3.229	3.238	.335	83	*3983↔➡	S	1.618	2.574	2.579	.460	47
*3590	N	3.346	4.135	4.148	.465	#	*3985★	S	45.00	65.00	65.10	5.00	#
3591	N	2.750	5.501	5.506	1.266	90			1.772	2.559	2.563	.197	
3592	N	3.000	5.501	5.506	1.266	90	4000 SERIES						
*3594	S	8.125	9.371	9.379	.425	#	*4012	S	2.875	4.003	4.008	.250	#
3604➡	V	1.812	2.777	2.783	.575	86	4019N↔➡	N	2.432	3.070	3.075	.227	47
3606★↔↔	N	47.00	69.00	69.14	10.10	7S	*4020	S	1.687	2.875	2.885	.622	#
		1.850	2.717	2.722	.398		*4026	N	.875	1.575	1.584	.669	#
*3607★↔↔	N	30.00	58.00	63.50	13.90	57	*4035N	N	2.937	4.939	4.944	1.250	90
		1.181	2.283	2.500	.547		*4036N	N	2.250	4.064	4.069	1.092	90
*3609★	S	40.00	52.00	52.12	8.00	47	*4037	N	2.625	4.064	4.069	.990	#
		1.575	2.047	2.052	.315		*4038N	N	2.375	4.064	4.069	1.092	90
3618➡	S	1.812	2.623	2.627	.615	86	4040N★↔	N	35.00	53.26	53.67	7.75	32
*3620	S	5.875	7.125	7.133	.500	#			1.378	2.097	2.113	.305	
3622↔➡	S	1.652	2.518	2.524	.394	74	*4048N	N	5.000	7.500	7.507	.875	#
*3623	V	2.937	4.003	4.008	.697	#							
*3624	S	8.000	9.500	9.508	.860	#	*4051	S	1.875	2.901	2.907	.315	#
*3633	S	2.000	2.561	2.566	.220	#	*4052★➡	N	35.00	52.00	52.13	8.00	47
3638➡	N	1.125	1.624	1.628	.190	48			1.378	2.047	2.052	.315	
3655★➡	N	35.00	52.00	52.35	7.75	32	4072➡	N	1.787	3.229	3.238	.335	83
		1.378	2.047	2.061	.305		4072N➡	N	1.787	3.229	3.238	.335	83
3667&	S	.690	.997	1.003	.295	271	*4075	H	1.771	2.500	2.504	.359	#
3677&	S	1.500	1.989	1.993	.285	287	*4084	S	.739	1.250	1.254	.407	#
*3680	S	1.500	2.374	2.378	.710	#	4099&	S	1.673	2.162	2.166	.285	287
*3689★	V	233.00	272.00	272.26	15.88	#	*4101	S	2.496	3.243	3.248	.420	#
		9.173	10.709	10.719	.625		4122	S	2.882	3.431	3.436	.291	47
3698↔	H	2.988	3.740	3.748	.374	32	*4127N	N	.590	.997	1.006	.200	34
*3700➡	S	1.812	3.000	3.005	.455	86	4131&	S	2.312	3.000	3.004	.375	287
*3707	S	2.500	3.500	3.505	.540	47	*4139	S	4.750	6.619	6.625	1.150	#
3723★	S	55.00	70.00	70.10	10.26	66	4141	N	1.574	2.676	2.683	.500	#
		2.165	2.756	2.760	.404		4143	N	1.630	2.415	2.441	.492	#
3732S➡	S	1.062	1.575	1.581	.250	48	*4143N	N	2.938	4.003	4.008	.619	#
3743★	S	50.00	65.00	65.10	14.00	66	*4144V	V	5.000	6.997	7.003	1.093	90
		1.969	2.559	2.563	.551		4148&	S	2.000	2.623	2.627	.280	286
3747↔➡	S	1.703	3.084	3.090	.500	69	*4150N★↔↔	N	35.00	56.90	57.05	18.64	#
									1.378	2.240	2.246	.734	
*3757V	V	.625	1.124	1.129	.250	35	*4155	N	2.375	3.350	3.355	.625	#
*3765➡	H	2.367	3.366	3.374	.257	48	*4156H	H	3.125	4.125	4.130	.500	#
3771★➡	H	35.00	50.00	50.34	7.00	35	4160	S	2.420	3.000	3.005	.382	281
		1.378	1.969	1.982	.276		4162%	S	2.062	2.937	3.034	.340	200E
3772★↔	H	88.00	108.00	108.36	11.10	35	*4165↔	V	6.107	6.750	6.757	.500	#
		3.465	4.252	4.266	.437		*4165V↔	V	6.107	6.750	6.757	.500	#
3774★➡	H	42.00	56.00	56.34	7.00	35	*4173	N	3.574	4.756	4.761	.550	#
		1.654	2.205	2.218	.276								
*3776S	S	7.908	9.528	9.535	.960	#							

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
4000 SERIES (cont.)							4000 SERIES (cont.)						
4175★	S	40.00	52.00	52.22	9.00	#	*4596★	N	32.00	43.00	43.28	4.00	35
		1.575	2.047	2.056	.354				1.260	1.693	1.704	.157	
*4176	S	2.812	4.176	4.181	.551	#	*4596V	V	3.250	—	—	.656	#
*4185	S	2.420	3.552	3.558	.336	#	4598➡	N	2.000	2.878	2.882	.340	83
4189H&	H	1.996	3.111	3.120	.344	75	*4599H★➡	H	60.00	85.50	85.70	7.00	#
*4195	S	2.000	2.562	2.566	.225	#			2.362	3.366	3.374	.276	
*4203↔➡	S	3.655	4.620	4.631	.270	#	*4602V	V	6.142	8.000	8.007	.658	#
*4235%	S	4.000	5.755	5.822	.562	#	*4603V	V	6.772	9.000	9.007	.658	#
4244↔➡	S	1.552	2.750	2.755	.415	72	*4610	S	4.687	6.850	6.865	.551	35
4249&	S	1.809	2.361	2.365	.380	287	4613N↔➡	N	1.377	2.874	2.881	.693	57
4250↔➡	S	2.500	3.303	3.307	.465	74	4614N↔➡	N	1.377	2.162	2.167	.744	87
							4615V★➡	V	42.00	67.00	67.13	7.16	83
*4269	S	4.000	5.696	5.700	.850	74			1.654	2.638	2.643	.282	
*4273	S	16.250	18.000	18.010	.750	#	*4616V★	V	16.00	44.75	44.96	9.00	#
4278&	V	1.812	3.091	3.096	.485	86			.630	1.762	1.770	.354	
*4291	V	4.375	5.375	—	.500	#	*4624N&	N	2.503	3.629	3.633	.900	86
4291V%	V	4.375	5.375	5.425	.500	#	4624V&	V	2.503	3.629	3.633	.900	86
*4302↔➡	S	1.750	3.036	3.040	.500	47	4635	H	2.141	3.484	3.493	.622	#
4307V★↔	V	76.00	92.00	92.28	9.50	32	4635V	V	2.141	3.484	3.493	.329	#
		2.992	3.622	3.633	.374		*4635H➡	H	2.141	3.484	3.493	.329	#
*4310	S	1.875	2.803	2.808	.433	285	4638N	N	1.375	1.982	1.989	.192	#
4333N↔	N	1.886	2.699	2.704	.350	79	*4654N↔	N	2.000	2.995	3.003	.438	#
*4340V	V	3.875	4.750	4.756	.500	#	*4655N↔	N	1.375	1.982	1.989	.312	48
							*4662V★	V	16.00	27.23	27.33	9.00	47
*4346➡	S	1.037	1.575	1.579	.333	#			.630	1.072	1.076	.354	
4353	V	7.375	9.615	9.622	.979	#	*4670N↔	N	2.503	3.500	3.504	.450	#
*4354V	V	6.625	9.615	9.622	.979	#	4674N↔➡	N	1.605	2.795	2.804	.364	#
4359V★↔	V	95.00	115.00	115.31	12.50	32	4701	N	.408	1.004	.102	.208	49
		3.740	4.528	4.540	.492		4701N	N	.408	1.004	1.008	.208	49
4370N↔	N	1.503	2.376	2.383	.420	88	*4713V↔➡	V	4.000	4.999	5.004	.469	#
*4400★	N	18.00	28.00	28.20	6.00	34	*4738N↔➡	N	1.190	1.969	1.975	.261	48
		.709	1.102	1.110	.236		*4738V↔➡	V	1.190	1.969	1.975	.312	48
*4401★	N	18.00	32.00	32.23	12.70	#	4739	S	2.000	2.561	2.565	.250	282
		.709	1.260	1.269	.500		4740	S	2.180	2.999	3.004	.250	282
*4403	S	2.000	2.745	2.749	.230	#	4741↔	N	2.200	3.022	3.028	.422	#
*4409N	N	3.500	5.906	7.500	.600	#							
*4419	N	1.375	2.373	2.378	.500	#	*4748V↔➡	V	1.190	1.889	1.892	.651	#
							4762N↔➡	N	1.618	2.841	2.849	.500	74
*4431	S	1.875	3.160	3.165	.530	72	4763S	S	1.625	2.562	2.566	.437	#
*4431N	N	1.875	3.160	3.165	.530	72	4764↔	N	1.598	2.476	2.483	.420	86
*4431V	V	1.875	3.160	3.165	.530	72	4765↔	N	1.598	2.476	2.483	.350	79
*4434	S	1.552	3.160	3.165	.530	72	*4766S	S	10.820	12.000	12.015	.590	#
*4434N	N	1.552	3.160	3.165	.530	72	*4771S↔➡	S	1.750	2.436	2.441	.300	#
4458V	V	.984	1.499	1.504	.250	#	*4789S★↔➡	S	90.00	115.00	115.14	17.12	#
4462N	N	.000	2.097	2.109	.938	#			3.543	4.528	4.533	.674	
*4470V	V	3.125	4.003	4.008	.500	#	4795V↔➡	V	1.399	2.482	2.750	.310	74
*4489V	V	3.750	4.499	4.506	.468	96	4810V➡	V	3.003	3.751	3.761	.570	#
*4490	V	2.750	4.003	4.008	.500	#							
							4813V➡	V	1.178	2.447	2.452	.500	86
4491	V	3.500	4.501	4.506	.500	#	4857↔➡	V	1.400	2.282	2.288	.547	86
4492	V	2.750	3.543	3.548	.500	#	4874N↔	N	2.748	3.543	3.555	.591	#
*4494V↔➡	V	5.187	6.500	6.515	.625	#	4875N➡	N	3.250	4.249	4.282	.650	#
4503N↔	N	1.886	2.750	2.765	1.375	79	4876N➡	N	2.748	5.500	5.512	.850	#
*4512↔➡	N	2.375	4.498	4.504	.860	#	4889	V	1.562	2.833	2.840	.493	#
4525V	V	2.500	4.035	4.040	.634	87	4890	V	1.562	2.873	2.880	.493	#
4528N★↔	N	48.00	65.00	65.15	24.50	66	4898★	S	52.00	66.00	66.12	7.50	66
		1.890	2.559	2.565	.965				2.047	2.598	2.603	.295	
4529N➡	N	1.375	2.047	2.052	.330	68	4899★	S	56.00	75.00	75.13	6.50	66
4530↔	N	1.502	2.126	2.132	.492	96			2.205	2.953	2.958	.256	
4532N↔	N	1.375	3.542	3.549	.397	93	4901★↔➡	N	35.00	62.00	62.28	8.00	40
									1.378	2.441	2.452	.315	
4539V	V	2.367	3.366	3.374	.257	75							
4539H➡	H	2.367	3.366	3.374	.257	75	4904★	S	49.00	62.00	62.15	8.00	66
4543V➡	V	3.250	4.249	4.260	.662	#			1.929	2.441	2.447	.315	
4544V➡	V	3.253	5.500	5.511	.630	#	*4905★	S	56.00	76.00	76.15	11.50	72
4561V↔	V	2.503	3.428	3.439	.709	#			2.205	2.992	2.998	.453	
4562V➡	V	3.003	4.937	4.948	.662	#	4918	N	1.787	3.228	3.238	.335	83
4563V➡	V	2.938	3.937	3.947	.552	#	4934	N	1.503	2.374	2.379	.374	79
4564V➡	V	2.748	3.876	3.886	.552	#	*4936V↔	V	3.750	4.751	4.756	.500	#
4577	N	1.874	2.676	2.682	.410	#	4941V	V	1.552	3.160	3.165	.608	#
4583↔	N	1.502	2.377	2.381	.374	86	4950	N	1.748	2.619	2.627	.330	88
							4981V	V	1.685	2.500	2.506	.421	#
*4591	S	4.647	6.309	6.318	.625	#							

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
4000 SERIES (cont.)							5000 SERIES (cont.)						
4989	S	1.437	2.441	2.445	.374	#	5185						
4990★	S	52.00	68.00	68.28	7.00	281	5188						
		2.047	2.677	2.688	.276		5189						
5000 SERIES							5199						
5000		See Kit Section					5200						
5001		See Kit Section					5201						
5008		See Kit Section					5202						
5010		See Kit Section					5203						
5015		See Kit Section					5204						
5026		See Kit Section					5205						
5028		See Kit Section					5206						
5033		See Kit Section					5207						
5039		See Kit Section					5208						
5045		See Kit Section					5210★⑤	N	33.00	89.90	89.60	40.00	35
5065		See Kit Section							1.299	3.539	3.528	1.575	
5066		See Kit Section					5227						
5068		See Kit Section					5228						
5070	F	1.803	2.965	2.969	.250	29	5229						
5071		See Kit Section					5273						
5072		See Kit Section					5274						
5073		See Kit Section					5276						
5075		See Kit Section					5277						
5076		See Kit Section					5278						
5077		See Kit Section					5279						
5079		See Kit Section					5287						
5082		See Kit Section					5288◀	T	2.375	3.000	3.013	.394	#
5084		See Kit Section					5290						
5089		See Kit Section					5302						
5092		See Kit Section					5313						
5095		See Kit Section					5327						
5100		See Kit Section					5329						
5106		See Kit Section					5330						
5108		See Kit Section					5331						
5109	S	2.496	3.245	3.248	.485	#	5332						
5111		See Kit Section					5336						
5111S	S	.000	.000	.000	.000	#	5346						
5112		See Kit Section					5347						
5112S	S	.000	.000	.000	.000	#	5361						
5113	S	2.000	2.745	2.749	.230	203	5364						
*5114	S	1.687	2.560	2.579	.375	#	5373						
5115➡	S	1.500	2.249	2.254	.250	47	5376						
5116		See Kit Section					5377						
5117		See Kit Section					5381						
5118		See Kit Section					5382						
5119	S	2.375	3.265	3.270	.495	49	5383						
5120		See Kit Section					5384						
5121	S	1.940	2.622	2.626	.580	281	5388						
5123	S	2.562	3.090	3.095	.375	280	5390						
5124	S	1.326	2.226	2.247	.500	48	5397						
*5125&	S	2.000	2.623	2.627	.635	#	5399						
5126&	S	1.875	2.813	2.817	.500	74	5401						
5128N	N	3.375	3.948	3.955	.375	32	5403						
5131◀➡	S	1.318	2.280	2.286	.906	#	5405						
5133	V	1.812	2.562	2.566	.312	48	5406						
5146		See Kit Section					5408						
5147		See Kit Section					5410						
5160		See Kit Section					5414						
5161		See Kit Section					5419						
5163		See Kit Section					5422						
5164		See Kit Section					5424						
5166		See Kit Section					5436						
5167		See Kit Section					5441						
5168		See Kit Section					5443						
5169		See Kit Section					5452						
5170		See Kit Section					5453						
5172		See Kit Section					5458						
5175		See Kit Section					5460						
							5461						

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

◀➡ Hydrodynamic Lip Design-Bidirectional ⑤ Seal & Installation Sleeve & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
5000 SERIES (cont.)							5000 SERIES (cont.)						
5462		See Kit Section					5686		See Kit Section				
5465		See Kit Section					5690		See Kit Section				
5471		See Kit Section					5694		See Kit Section				
5472		See Kit Section					5695		See Kit Section				
5473		See Kit Section					5696		See Kit Section				
5475		See Kit Section					5697		See Kit Section				
5476		See Kit Section					5698		See Kit Section				
5479		See Kit Section					5699		See Kit Section				
5481		See Kit Section					5700		See Kit Section				
5483		See Kit Section					5711	S	1.750	2.983	2.987	.438	41
5487		See Kit Section					*5721	T	5.000	5.999	6.006	.717	90
5488		See Kit Section					5722		See Kit Section				
5494		See Kit Section					5727	F	1.625	2.722	2.727	.406	205
5495		See Kit Section					5751	L	3.125	4.562	4.567	1.198	34
5499		See Kit Section					5756	F	2.062	3.151	3.156	.240	29
5509		See Kit Section					5778	N	1.552	3.160	3.165	.530	72
5518		See Kit Section					5778V	V	1.552	3.160	3.165	.645	72
5520		See Kit Section					5796	L	1.562	2.686	2.690	.375	201
5521		See Kit Section					5797	L	2.031	—	4.156	.781	#
5526		See Kit Section					5827	L	1.750	2.750	2.754	.484	201
5527		See Kit Section					5836	L	1.734	2.726	2.730	.500	201
5531		See Kit Section					5857	F	1.000	1.499	1.503	.312	29
5532		See Kit Section					5865	L	2.000	2.750	2.754	.187	4L
5537		See Kit Section					5872S	S	1.375	2.000	2.004	.320	45
5538		See Kit Section					5877	L	2.062	2.842	2.846	.450	5L
5550		See Kit Section					*5921	L	2.250	4.010	4.015	.843	1L
5551		See Kit Section					5924	L	2.312	3.313	3.318	.375	4L
5563		See Kit Section					*5957S	S	2.470	3.063	3.187	.510	273
5567		See Kit Section					*5961	L	3.500	5.750	5.756	.875	91
5573		See Kit Section					5965%	L	3.500	4.437	4.437	.437	8L
5575		See Kit Section					*5970	F	1.875	2.995	3.000	.375	29
5576		See Kit Section					5976S	S	.875	1.245	1.256	.187	34
5578		See Kit Section					6000 SERIES						
5581		See Kit Section					*6050	S	3.125	4.125	4.130	1.750	33
5584		See Kit Section					6064	F	1.875	2.965	2.969	.250	29
5588		See Kit Section					6074	F	1.937	3.622	3.627	.375	29
5589		See Kit Section					6077	S	2.062	—	4.735	.468	#
5591		See Kit Section					*6081	F	2.625	3.350	3.355	.453	29
5592		See Kit Section					*6082	F	2.250	3.061	3.066	.437	29
5593		See Kit Section					*6084	L	1.687	2.279	2.283	.500	5L
5594		See Kit Section					6090S	S	2.000	2.630	2.750	.562	273
5596		See Kit Section					6101	F	1.718	2.996	3.000	.375	29
5599		See Kit Section					*6110	F	1.875	2.718	2.722	.468	29
5601		See Kit Section					6127	L	1.875	4.010	4.014	1.000	31
5602		See Kit Section					6163S	S	2.000	2.875	2.879	.703	21
5603		See Kit Section					*6180	S	2.125	3.180	3.184	.781	#
5604		See Kit Section					6186	L	2.187	3.189	3.194	.718	1L
5609		See Kit Section					6200	L	1.375	2.250	2.252	1.062	9L
5613		See Kit Section					*6214	L	2.375	3.481	3.486	.663	3L
5615		See Kit Section					6241S	S	1.375	2.437	2.441	.250	48
5624		See Kit Section					*6245S	S	3.500	4.600	6.625	.531	#
5625		See Kit Section					6270	S	3.937	5.371	5.377	.906	21
5629		See Kit Section					6283S	S	1.610	2.500	2.531	.300	26
5632		See Kit Section					*6309	S	2.187	4.420	4.520	.687	39
5634		See Kit Section					6312%	L	1.500	2.187	2.187	.500	8L
5637		See Kit Section					6324S	S	.968	1.500	1.507	.187	34
5643		See Kit Section					6329S	S	4.687	5.751	5.756	.750	7S
5645		See Kit Section					6336S%	S	1.562	2.684	2.701	.250	26
5649		See Kit Section					*6340	S	1.375	2.000	2.004	.375	45
5650		See Kit Section					*6356	F	1.625	2.448	2.502	.250	29
5657		See Kit Section					6357S	S	.796	1.499	1.503	.625	92
5665		See Kit Section					6358↔	S	3.187	4.625	4.630	.442	47
5666		See Kit Section					6370N★	N	32.99	46.43	46.53	9.53	33
5667		See Kit Section							1.299	1.828	1.832	.375	
5682		See Kit Section					6380	F	2.125	3.436	3.440	.625	29
*5683++	S	1.250	1.752	1.756	.300	32	*6385	F	.875	1.575	1.750	.281	29
*5684++	S	1.250	1.752	1.756	.399	32	6389	F	2.125	3.126	3.131	.484	29
5685		See Kit Section											

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-Bidirectional ++ Not Sold Separately % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
6000 SERIES (cont.)							6000 SERIES (cont.)						
*6402S	S	1.812	2.250	2.258	.312	35	*6897	S	3.125	—	8.250	.925	#
*6405	S	2.625	—	5.030	.200	#	6906S	S	1.250	1.968	1.972	.468	204
6426	L	1.500	2.502	2.506	.375	4L	*6910S	S	1.880	2.398	2.414	.250	35
*6442S	S	3.000	3.752	3.760	.375	35	*6922	S	2.192	—	3.437	.703	#
6460S	S	1.875	2.758	2.762	.500	41	6930	L	1.812	4.123	4.128	.746	21
*6465B++	F	2.000	2.651	4.562	.562	#	6936S	S	1.763	2.412	2.416	.375	45
*6469	F	2.000	—	4.562	.562	#	6949S	S	1.750	2.875	2.880	.500	274
*6477S	S	3.226	—	8.250	.518	#	*6952S★	S	35.00	63.45	63.55	.792	#
*6479	S	2.860	—	6.460	.520	#			1.378	2.498	2.502	.312	
*6480	S	3.125	—	7.500	.531	#	6954S	S	2.062	3.000	3.005	.310	44
							*6957	N	2.129	2.762	2.766	.250	48
*6481	N	3.125	7.000	8.250	1.003	51							
6481S	S	3.125	7.000	8.250	1.003	51	*6959	S	2.375	4.310	5.880	.331	#
*6495S	S	3.250	4.125	4.130	.937	9S	6960	L	1.830	2.570	2.574	.250	4L
*6505S	S	3.125	5.778	8.125	.571	#	*6966S	S	1.437	2.437	2.441	.250	44
6522S	S	.984	1.500	1.508	.410	34	*6971S	S	1.915	2.533	2.537	.250	33
*6532S	S	2.687	3.251	3.256	.578	273	*6982S	S	2.625	4.252	4.256	1.156	#
*6542%	S	2.687	3.062	3.062	.187	36	6985	F	1.875	2.628	2.633	.347	29
6545	F	1.500	2.062	2.066	.250	21	6988H	H	1.937	2.686	2.690	.500	33
6547	L	1.875	2.996	3.001	.375	201							
6565N	N	4.125	4.999	5.004	.468	41							
							7000 SERIES						
6575S	S	2.474	3.543	3.548	.285	200	7006S	S	5.500	6.997	7.004	1.250	43
6584S&	S	3.250	4.500	4.507	.718	74	7013S	S	.750	1.311	1.315	.312	25
6590S	S	2.093	2.716	2.721	.406	204	7014S	S	.875	1.254	1.260	.205	4S
6597S	S	1.375	1.829	1.837	.187	34	*7020	S	1.915	2.532	2.548	.250	#
*6603	F	3.125	4.562	4.567	.687	205	*7021S	S	3.000	4.003	4.008	.375	48
6612S	S	3.500	5.250	5.258	.562	#	7022S	S	1.687	2.328	2.332	.531	276
*6622	S	1.375	1.828	1.839	.255	34	7028	S	.750	1.375	1.379	.312	25
6626S	S	2.125	2.875	2.879	.312	4S	*7028V	V	.750	1.375	1.379	.312	25
6635S	S	4.375	6.064	6.071	.625	45	7038SA◀	S	1.687	2.502	2.506	.582	41
6636S	S	2.187	3.187	3.194	.687	35	*7042S%	S	4.500	5.751	5.870	.250	#
6638S	S	3.500	4.841	4.848	.875	#	7044NA▶	S	1.812	3.000	3.005	.455	86
6643S	S	2.750	—	6.200	.700	52	*7068★%	S	57.00	57.12	82.55	.747	200E
6644	L	3.125	4.562	4.567	.760	5L			2.244	2.249	3.250	.294	
6649	S	3.125	—	8.250	.571	52	7105S	S	1.875	3.375	4.812	.312	#
6663S	S	4.750	6.618	6.625	1.141	89	*7107A	F	1.875	2.720	2.725	.235	29
6668S	S	1.375	1.875	1.878	.187	33	7131	S	8.000	11.624	11.632	.750	#
*6690	S	4.937	6.250	6.256	—	#	*7141	S	2.058	2.676	2.681	.255	200
*6701	S	4.740	—	7.575	.410	#	7154S	S	2.531	4.540	6.125	.500	#
*6701SS0	S	4.740	—	7.625	.410	#	*7183%	S	4.000	4.750	4.750	.500	#
6703S	S	1.750	2.250	2.258	.187	35	*7184%	S	3.738	3.750	4.500	.500	#
							7186S	S	1.812	2.718	2.722	.270	200
6704	L	1.125	1.874	1.878	.625	1L							
6712NA▶	N	1.875	2.758	2.762	.425	74	*7187S	S	2.430	—	3.031	.380	#
*6754S	S	3.125	4.049	4.054	.437	45	7188S	S	.625	.999	1.003	.250	33
6759S	S	1.500	1.997	2.001	.531	1S	7208S%	S	3.250	4.500	4.600	.315	200E
6760S	S	1.375	2.062	2.072	.250	35	7214	S	.750	1.031	1.035	.313	49
*6764S	S	3.125	—	8.250	.500	#	*7215	L	1.875	2.812	3.000	.500	5L
6780S	S	2.875	4.125	4.130	.812	21	7216&	L	1.875	3.105	3.110	.500	47
6781	L	1.796	2.725	2.730	.500	201	*7230	S	3.750	5.375	5.381	.750	#
6785★	F	62.99	84.07	84.23	12.70	35	*7234	S	4.250	5.250	5.260	.590	#
		2.480	3.310	3.316	.500		7235S	S	1.473	1.971	1.979	.562	32
*6792	N	.625	1.000	1.004	.156	4S	7245	L	1.375	2.502	2.506	.250	4L
6808N	N	1.875	3.160	3.165	.562	45	7300S◀	N	1.685	2.500	2.506	1.250	79
6815&	S	1.940	2.500	2.505	.250	286	7338N&	N	3.000	3.686	3.702	.523	56
6818	S	1.739	3.000	3.008	.500	71	7354N%	N	4.375	5.373	5.500	.570	8S
6832S	S	1.125	1.935	1.942	.625	204	7354V%	V	4.375	5.373	5.500	.570	8S
6835S	S	.750	1.250	1.254	.312	33	*7370	S	1.375	2.835	3.020	.390	48
6840S	S	1.730	2.336	2.340	.250	4S	7378	L	5.062	6.994	7.004	1.312	5L
*6846S	S	2.640	4.450	4.490	.250	#	7381S	S	1.687	2.684	2.706	.250	24
6847S	S	1.000	1.250	1.254	.536	#	*7387	S	11.500	12.495	12.535	.250	#
*6855N	N	1.000	2.812	2.817	1.156	1S	*7390%	S	4.000	4.104	4.906	.821	#
6859S	S	1.247	1.687	1.691	.312	33	*7392S	S	1.153	1.686	1.690	.437	#
*6860S	S	2.500	3.350	3.355	.718	#	7399S	S	.625	.937	.945	.187	24
6863S	S	.437	.999	1.007	.250	35	*7412H	H	1.250	1.750	1.754	.250	48
6864S	S	4.050	5.501	5.506	.671	45	7412S▶	S	1.250	1.750	1.754	.250	48
6872S	S	5.500	6.312	6.316	1.250	47	*7413◀	N	1.500	2.377	2.381	.470	71
6873S	S	5.500	6.500	6.505	1.125	43	*7456N&	N	1.603	2.282	2.292	.530	94
6879H	H	2.125	2.875	2.879	.375	33	7457N	N	1.656	2.623	2.627	.455	1S
6886S	S	4.625	6.622	6.629	1.093	21	7486S	S	1.750	2.374	2.381	.437	35
							7495S	S	1.375	2.250	2.254	.713	61

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW ++ Not Sold Separately

% External Bore & Flanged O.D. ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
7000 SERIES (cont.)							8000 SERIES (cont.)						
*7506N	N	.500	.688	.696	.100	24	8165	H	1.875	3.000	3.005	.625	#
*7506S	S	.500	.688	.696	.100	24	8181NA➔	S	1.812	2.623	2.627	.455	74
*7512S	S	2.500	4.500	6.125	.400	51	*8228	S	7.927	9.174	9.182	.687	#
7512SSO	S	2.500	4.500	6.125	.400	51	*8229	S	3.312	4.249	4.254	.750	#
*7516	S	6.375	8.000	8.008	1.060	#	8243	F	2.125	3.146	3.153	.500	#
*7525N	N	1.562	2.875	3.062	.468	47	*8250	N	1.843	2.672	2.676	.187	#
7537S	S	1.500	2.062	2.066	.240	24	8293S	S	1.238	2.250	2.254	.500	48
*7564	S	10.500	12.500	12.508	1.234	39	8312&	S	2.136	2.902	2.909	.310	272
7568	H	2.222	3.543	3.548	.760	#	8314	S	1.796	2.524	2.800	.599	#
7581H&	H	2.500	3.500	3.505	.500	48	8316★➔	N	51.00	70.00	70.28	11.00	32
									2.008	2.756	2.767	.433	
7600S	S	1.825	2.750	2.754	.468	47	*8338	S	3.750	5.000	5.004	.620	39
7607	F	1.730	2.336	2.340	.280	#	*8346	S	1.500	2.385	2.389	.320	#
*7679	S	1.875	2.400	2.405	.240	44	8362	S	1.875	2.315	2.321	.203	33
7686S	S	1.250	2.250	2.254	.435	25	*8369S	S	3.125	—	—	.571	#
7687S★	S	35.00	63.50	63.83	11.05	#	8370S	S	3.797	4.501	4.506	.250	4S
		1.378	2.500	2.513	.435		*8398	S	1.937	3.381	3.376	.667	39
7692S➔	S	1.500	2.372	2.376	1.458	79	8421S	S	1.562	2.062	2.066	.250	33
7700S	S	4.625	6.622	6.629	1.093	21	*8425	S	3.750	4.624	4.630	.535	#
*7708	S	.562	1.234	1.238	.437	71	*8427	S	3.000	4.002	4.625	.884	#
7715S	S	1.372	2.250	2.515	1.197	#	8429S	S	1.247	—	2.633	.480	#
*7729	S	1.730	2.758	2.762	.882	39							
*7731	S	1.750	2.502	2.506	.750	2S	8430S	S	2.125	3.000	3.005	.312	49
*7738	S	.540	1.219	1.213	.187	#	8460N&	N	1.739	2.812	3.270	.593	74
*7743	S	5.750	6.500	6.510	.500	#	*8473S	S	1.830	2.570	2.574	.250	29
*7747	S	7.125	8.494	8.501	1.062	47	*8475	S	4.000	5.250	5.256	.625	39
7750	S	.750	1.124	1.128	.188	48	8477S	S	1.618	2.531	2.535	.750	48
7751H	H	1.968	2.686	2.690	.370	33	*8480	S	3.557	4.530	4.530	.320	#
*7769	S	1.375	2.437	2.441	.250	48	*8481%	S	4.062	5.035	5.197	.320	46
*7773N	N	2.500	3.500	3.505	.687	#	*8482	S	4.550	5.500	5.662	.350	#
*7774N	N	3.000	4.003	4.008	.640	#	8515N&	N	1.875	2.812	2.816	.770	74
*7775N	N	3.375	4.626	4.631	.687	#	8516N	N	1.687	2.623	2.627	.437	47
*7776N	N	3.750	4.751	4.756	.750	#	8521S%	S	1.873	2.684	2.684	.544	200E
7780	L	2.667	3.751	3.756	.500	4L	*8547	V	1.687	2.624	2.628	.609	#
7780N	L	2.667	3.751	3.756	.500	4L	*8547H	H	1.687	2.624	2.628	.609	#
7781S	S	1.250	1.983	1.987	.250	203	*8548H	H	4.625	6.000	7.125	.987	#
*7782N	N	1.875	2.560	2.565	.406	48	8549S&	S	1.372	—	4.560	.480	#
7790H	H	2.125	3.193	3.198	.812	#	*8557	S	4.125	5.375	5.585	1.460	39
7834	L	1.750	2.502	2.506	.680	#	*8561	S	2.625	3.531	3.536	.812	2S
7840S	S	.875	1.249	1.254	.187	31	*8562	S	7.718	9.186	9.191	.875	#
*7843	S	3.000	5.501	5.507	.312	#	*8571	S	2.250	3.250	3.256	.625	#
*7844	S	3.000	4.125	4.130	.312	#	8594S	S	1.350	2.571	2.575	.706	62
7866S	S	4.875	6.375	6.625	.500	75	8597S	S	1.491	2.191	2.195	.250	48
7886S	S	1.500	2.437	2.441	.250	48	8609	S	.812	1.250	1.254	.254	47
7896S	S	3.110	—	5.750	.375	51	8610➔	S	1.521	2.656	2.660	.424	74
7929S	S	.742	1.063	1.067	.187	33	8611N	S	1.521	2.656	2.660	.594	74
7934S	S	1.875	2.400	2.405	.240	204	8620N	N	1.645	2.656	2.660	.406	47
7937N	N	2.250	3.061	3.066	.500	41	8622&	S	1.940	2.813	2.817	.428	#
7941	S	1.125	1.562	1.566	.220	44	*8632S	S	1.873	2.878	3.250	.875	#
*7951	S	2.125	3.125	3.130	.593	41	8635S	S	5.500	7.624	7.631	1.250	21
*7955	S	3.500	4.875	4.881	.925	39	*8636	S	2.437	4.000	4.055	1.093	#
*7972S	S	12.000	14.000	14.010	1.000	45	8650S	S	2.125	2.996	3.001	.687	1L
7994S	S	1.562	2.062	2.066	.200	44	8660L**	L	1.399	2.292	2.296	.500	5L
							8660S➔	S	1.399	2.292	2.296	.460	48
8000 SERIES							*8662	S	5.812	7.125	7.132	.625	35
*8020S	S	2.625	3.749	3.755	.586	41	*8669	S	1.910	2.760	2.760	.070	#
8059S	S	.968	1.686	1.690	.312	25	*8673	S	1.437	2.500	2.508	.687	25
*8073	N	1.603	2.375	2.379	.187	#	8676S	S	1.375	—	4.582	.259	54
*8084N	N	1.906	3.189	3.194	.406	45	8695L**	L	1.550	2.686	2.690	.500	5L
*8091	S	6.000	8.187	8.194	1.250	#	8695S➔	S	1.550	2.686	2.690	.500	47
*8097%	S	1.476	1.493	2.447	.620	39	8704S	S	1.893	2.434	2.438	.250	33
*8120	S	2.310	2.965	2.970	.250	#	8705S	S	1.734	2.400	2.405	.230	277
8121S	N	1.730	2.336	2.340	.470	25	*8710	S	3.263	3.275	4.110	.500	#
*8126N	N	5.000	6.622	6.629	.906	89	8724S	S	7.995	11.625	11.633	1.078	41
8126S	S	5.000	6.622	6.629	.906	89	*8730	S	2.231	3.017	2.974	.070	#
*8130%	S	3.375	4.275	4.380	.730	#	*8733	S	1.460	2.077	2.034	.070	#
8133S	S	1.362	2.191	2.195	.250	48	*8734	S	1.145	1.765	1.722	.070	#
8139	F	2.000	2.961	2.971	.250	#	8750S	S	.762	1.160	1.164	.250	33
8160S	S	1.562	2.441	2.457	.500	32	*8754S	S	2.258	3.906	3.950	.250	#

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ➔ Hydrodynamic Lip Design-CCW

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
8000 SERIES (cont.)							9000 SERIES (cont.)						
8773S➔	S	.687	1.250	1.254	.250	25	*9640	S	3.250	4.250	4.254	.500	#
8792S	S	.500	.751	.756	.192	31	*9659	S	.625	.875	.879	.230	#
*8829	S	2.395	3.941	3.948	.070	#	*9659H	H	.625	.875	.879	.230	#
8835L**	L	1.618	2.575	2.579	.460	33	*9674➔	S	1.250	1.750	1.754	.250	48
8835S➔➔	S	1.618	2.575	2.579	.500	33	*9711	S	2.875	3.751	3.756	.500	41
*8836H	H	2.000	2.875	2.879	.508	37	9773&	N	2.625	4.564	4.568	.718	74
8871&	S	2.000	2.562	2.566	.220	286	*9791	S	.490	.688	.696	.100	24
*8880	S	3.500	4.842	4.848	.875	#	*9843	S	9.086	11.004	11.016	.371	#
*8883	S	1.365	2.081	2.085	.435	48	*9844&	S	1.739	2.812	2.816	.594	#
*8891	V	.402	.999	1.005	.180	24	9845➔	V	1.763	2.409	2.416	.375	47
*8892	S	3.500	4.500	4.505	.250	#	9845V	V	1.763	2.409	2.416	.375	47
8907	S	5.937	6.801	—	1.125	#	9864S&	S	2.875	3.875	3.880	.515	57
8935S&	S	1.558	2.250	2.254	1.520	79	*9907	S	4.500	6.307	6.313	1.141	#
8940S	S	1.523	2.714	2.718	.500	48	9912¶	S	1.875	2.877	2.865	.470	25
*8971H	H	5.125	6.125	6.131	.750	7S	*9927H➔	H	1.875	2.622	2.628	.380	33
8974S	S	2.180	3.000	3.005	.495	49	*9928H➔	N	1.500	2.247	2.253	.360	75
8975S	S	2.512	3.506	3.510	.290	49	*9933	H	2.125	2.750	2.754	.500	#
8976S	S	3.125	4.173	4.179	.290	49	9943%	S	2.562	3.727	3.777	.490	#
*8994N	N	1.625	2.750	2.754	.180	48	*9946N	N	2.500	3.125	3.130	.547	#
*8996S	S	9.250	12.750	12.758	1.125	70	10000 SERIES						
8998%	S	1.996	2.000	2.878	.250	44	*10543S	S	2.000	2.716	2.720	.593	1S
9000 SERIES							*10684S	S	1.562	2.441	2.445	.781	1S
*9014	S	2.500	—	5.371	1.343	#	*15305S	S	3.500	4.501	4.506	.875	1S
9015S	S	2.000	2.561	2.565	.549	44	*15379S	S	3.750	4.751	4.756	.875	1S
9049	S	1.880	2.562	2.566	.250	25	30000 SERIES						
9049N	S	1.880	2.562	2.566	.250	25	30308	L	2.125	3.061	3.066	.687	3L
*9063	S	10.630	12.000	12.812	.371	#	30365	L	2.125	2.875	2.879	.625	3L
*9087	S	1.718	2.228	2.185	.056	#	*35012N	N	2.937	4.003	4.008	.625	43
9128S➔➔	S	4.166	5.501	5.506	.600	45	35949N	N	2.937	3.937	3.942	.500	41
9150S	S	1.937	2.578	2.830	.292	25	37586	T	6.496	7.632	7.638	.497	#
*9158	N	1.750	3.189	3.193	.400	47	37921➔	T	4.125	4.999	5.005	1.037	PDW
9161	S	1.326	2.312	2.316	.435	48	37939➔	T	4.000	4.999	5.005	.500	PDW
9178S	S	1.687	2.605	2.609	.235	4S	38832➔	T	.875	1.375	1.379	.312	94
*9190N&	S	1.812	2.777	2.783	.416	47	39000 SERIES						
*9195S	S	2.172	2.426	3.000	.485	#	*39044➔	T	6.238	8.654	8.661	.560	90
*9246N	N	2.336	3.408	3.402	.187	25	39140➔	T	1.375	2.125	2.129	.375	94
*9249	S	1.437	2.188	2.192	.480	47	39302➔	T	2.125	3.189	3.194	.437	W-H
*9277	S	1.000	1.499	1.503	.390	48	39608➔	T	3.750	4.750	4.756	.500	DW-H
*9303S	S	2.437	3.117	3.145	.540	#	39701➔	T	7.250	8.125	8.133	.500	FW-H
9316	N	1.875	3.160	3.165	.695	72	39703➔	T	3.625	4.751	4.756	.500	FW-H
9339S	S	3.500	4.450	4.455	.525	278	39705➔	T	3.750	4.750	4.756	.500	FW-H
*9342S	S	1.417	2.614	2.629	.500	48	39711➔	T	1.562	2.125	2.129	.375	FW-H
9344S	S	1.375	—	4.582	.259	54	39713➔➔	T	1.250	1.812	1.817	.235	DW-H
9363S	S	1.500	2.260	2.264	.405	41	39715➔	T	6.000	7.475	7.481	.590	#
9376	S	1.055	1.500	1.504	.268	68	39717➔	T	2.125	3.189	3.194	.437	WW-H
9406S	S	2.000	2.625	2.629	.285	279	39719➔	T	2.125	3.189	3.194	.437	WW-H
*9434%	S	2.121	3.296	3.296	.460	46	39723➔	T	4.000	5.000	5.005	.500	FW-H
9449★➔	S	48.01	68.58	68.68	14.78	74	39732➔	T	4.750	6.000	6.006	.562	W-H
9470&	N	1.500	2.375	2.379	.602	57	39801➔	T	5.000	6.000	6.006	.413	FW-H
*9471★	S	54.99	68.53	68.91	4.11	#	39802➔	T	2.875	3.623	3.628	.500	FW-H
9487	S	1.187	1.716	1.720	.248	68	39803➔	T	2.500	3.130	3.135	.315	FW-H
*9540➔	S	1.812	2.623	2.627	.455	#	39804★➔	T	75.00	93.00	93.12	8.00	FW-H
*9541N	N	1.656	2.623	2.627	.455	#	2.953	3.661	3.666	.315			
9555S	S	9.500	12.499	12.509	.687	41	39805★➔	T	130.00	150.00	150.44	14.80	FW-H
9568	S	1.365	2.374	2.379	.435	48	5.118	5.906	5.923	.583			
9569S	S	1.365	2.259	2.264	.435	99	39806★➔	T	130.00	150.00	150.44	14.50	FW-H
*9572%	S	4.759	6.280	6.334	.312	#	5.118	5.906	5.923	.571			
*9583➔➔	S	3.250	4.626	4.633	.706	#	39807➔	T	6.000	6.750	6.756	.437	W-H
9584&	S	3.562	4.755	4.761	.550	74	39809➔	T	3.125	4.125	4.130	.437	W-H
*9586	S	4.062	5.372	5.378	.627	#	39813➔	T	3.625	4.751	4.756	.500	W-H
*9587&	S	4.500	6.250	6.257	.820	#	39815➔	T	7.250	8.125	8.132	.940	DW-H
*9588&	S	4.625	6.250	6.257	.550	#	39817➔	T	3.125	4.126	4.130	.437	FW-H
9599S➔	S	2.125	2.878	2.884	.437	47	39821	T	2.272	2.654	2.661	.250	W
9600S	S	3.125	5.985	6.000	.955	#	39823➔	T	6.000	6.750	6.757	.625	DW-H
9613S➔	S	1.500	2.377	2.381	.470	71	39825➔	T	4.750	6.000	6.006	.562	FW-H
							39827➔	T	4.750	6.000	6.006	.562	DW-H
							39835➔	T	1.812	2.563	2.567	.375	W

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW ➔ Hydrodynamic Lip Design-CCW



➔➔ Hydrodynamic Lip Design-Bidirectional ** Canada Only % External Bore & Flanged O.D. ¶ Expandable O.D. * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
39000 SERIES (cont.)							40000 SERIES (cont.)						
39837	T	3.750	4.750	4.756	.500	W-H	*40268S	S	1.843	2.623	2.627	.250	4S
39849	T	4.375	5.501	5.506	.500	FW-H	40286	L	1.625	2.750	2.754	.250	4L
39851	T	2.125	2.875	2.879	.437	FW-H	40301S	S	2.000	3.000	3.005	.250	4S
39853	T	2.125	2.875	2.879	.437	FW-H	40316S	S	2.250	3.251	3.256	.250	4S
39861	T	6.496	9.600	9.606	.540	#	*40322	S	2.437	3.251	3.256	.250	4S
39865	T	90.00	157.86	158.00	14.27	#	40337S	S	2.500	3.148	3.154	.250	4S
		3.543	6.215	6.220	.562		40360S	S	2.000	2.686	2.690	.250	4S
39867	T	25.00	41.00	41.09	8.00	W-H	*40369S	S	1.531	2.623	2.627	.250	4S
		.984	1.614	1.618	.315		40370S	S	1.968	2.960	2.964	.250	4S
39869	T	28.00	41.00	41.10	8.00	#	40375	T	3.230	3.790	3.795	.325	32
		1.102	1.614	1.618	.315								
39875	T	38.00	54.00	54.10	25.00	#	40382	L	1.500	1.983	1.987	.250	4L
		1.496	2.126	2.130	.984		*40385S	S	.375	.750	.754	.250	4S
39877	T	49.00	65.10	65.20	8.00	WW	40389S	S	2.000	2.750	2.754	.250	4S
		1.929	2.563	2.567	.315		40392	T	70.00	101.60	101.83	11.91	FW-H
									2.756	4.000	4.009	.469	
39879	T	1.299	1.779	1.784	.256	FW-H	40395	L	1.375	1.874	1.878	.250	4L
39880	T	5.000	5.999	6.006	.413	94	40395S	S	1.375	1.874	1.879	.250	4S
39881	T	4.993	6.000	6.006	.413	FW-H	40401	L	2.000	2.501	2.506	.250	4L
39882	T	3.620	4.625	4.630	.400	FW-H	40410S	S	2.000	2.623	2.627	.250	4S
39883	T	6.238	8.655	8.661	1.100	90	40433S	S	2.250	3.125	3.130	.250	4S
39885	T	6.198	7.328	7.336	.354	FW-H	40438S	S	1.562	2.374	2.378	.250	4S
39886	T	6.202	7.329	7.336	.377	DW-H							
39887	T	6.204	7.330	7.336	.445	FW-H	40468	L	1.484	2.254	2.258	.250	4L
39888	T	6.198	7.328	7.336	.445	FW-H	40494S	S	1.750	2.502	2.506	.250	4S
39889	T	6.077	7.328	7.336	.445	W-H	*40496S	S	2.500	3.350	3.355	.250	4S
							*40504S	S	1.375	2.623	2.627	.250	4S
39890	T	6.077	7.328	7.336	.445	W-H	*40519S	S	2.500	3.251	3.256	.250	4S
39893	T	9.052	10.709	10.720	.625	FW-H	40520S	S	2.250	3.000	3.005	.250	4S
39894	T	9.052	10.709	10.720	.625	FW-H	40522S	S	1.375	2.000	2.004	.250	4S
39899	T	11.220	12.250	12.260	.945	#	*40526S	S	1.937	3.155	3.160	.250	4S
39900	T	11.220	12.250	12.260	.945	#	40555	L	2.500	3.000	3.005	.250	4L
39904	T	1.312	1.828	1.833	.250	FF	40555S	S	2.500	3.000	3.005	.250	4S
39910	T	1.000	1.437	1.441	.250	W							
39920	T	1.562	2.062	2.067	.188	FW-H	40566S	S	2.125	2.875	2.879	.250	4S
39925	T	1.781	2.500	2.505	.312	FW-H	40568S	S	1.625	2.625	2.629	.250	4S
39926	T	95.00	172.00	172.09	28.00	W-H	40576S	S	1.187	1.996	2.000	.250	4S
		3.740	6.772	6.775	1.102		*40627S	S	2.093	2.835	2.839	.250	4S
							40652S	S	1.250	2.000	2.004	.250	4S
39930	T	1.812	2.562	2.567	.315	FW-H	*40683S	S	1.250	1.874	1.878	.250	4S
39952	T	4.646	5.751	5.756	.500	FW-H	40769S	S	1.312	2.282	2.286	.250	4S
39954	T	4.835	5.749	5.756	.375	DW-H	40973S	S	2.093	3.150	3.156	.250	4S
39956	T	5.997	7.125	7.131	.500	DW-H	41013S	S	2.093	2.750	2.754	.250	4S
39958	T	5.000	6.125	6.131	.500	FW-H	41026S	S	2.375	3.000	3.005	.250	4S
							41075S	S	2.250	3.443	3.447	.250	4S
							*41081S	S	1.956	2.963	2.968	.250	4S
*40014S	S	.500	1.250	1.254	.250	4S	41163T	T	2.625	3.696	3.700	.500	FW-H
*40023S	S	.625	1.375	1.379	.250	4S	*41206S	S	1.750	2.374	2.378	.250	4S
40027S	S	.750	1.375	1.379	.250	4S	41224S	S	1.000	1.499	1.503	.250	4S
*40032S	S	.875	1.499	1.503	.250	4S	41257	L	1.500	1.989	1.993	.250	4L
*40053S	S	1.312	2.374	2.378	.250	4S	41264S	S	.625	1.250	1.254	.250	4S
40059S	S	1.500	2.374	2.378	.250	4S	41267S	S	.875	1.375	1.379	.250	4S
*40061S	S	1.375	2.437	2.441	.250	4S	41389S	S	.750	1.250	1.254	.250	4S
40063S	S	1.500	2.437	2.441	.250	4S	*41424S	S	2.000	2.623	2.627	.225	4S
*40066S	S	1.625	2.437	2.441	.250	4S							
*40067S	S	1.500	2.502	2.506	.250	4S	41442S	S	.500	.999	1.003	.250	4S
							41461S	S	1.500	2.623	2.627	.250	4S
40071S	S	1.875	2.623	2.627	.250	4S	*41465S	S	1.000	1.689	1.693	.250	4S
40085S	S	2.000	2.996	3.001	.250	4S	41466S	S	.625	1.124	1.128	.250	4S
40094S	S	1.937	3.189	3.194	.250	4S	41509	T	6.500	8.000	8.007	.625	PDW
*40097S	S	2.125	3.350	3.355	.250	4S	41510	T	6.500	8.000	8.007	.625	PDW
40101S	S	2.375	3.350	3.355	.250	4S	41526S	S	.500	1.124	1.128	.250	4S
*40120	L	1.000	1.499	1.503	.250	4L	41536	T	2.875	3.750	3.755	.500	PDW
40140S	S	1.250	1.752	1.756	.250	4S	41537	T	2.875	3.750	3.755	.500	PDW
40154S	S	1.687	2.502	2.506	.250	4S	*41785S	S	1.125	2.062	2.066	.250	4S
40157S	S	1.000	2.000	2.004	.250	4S							
40160S	S	1.125	2.000	2.004	.250	4S	41787S	S	1.250	2.062	2.066	.250	4S
							42081S	S	1.250	2.250	2.254	.250	4S
40162S	S	1.187	2.000	2.004	.250	4S	42101S	S	2.129	2.891	2.895	.250	4S
40169S	S	1.375	2.250	2.254	.250	4S	*42127S	S	2.187	2.835	2.839	.281	4S
*40183S	S	1.750	2.750	2.754	.250	4S	*42135S	S	1.625	2.623	2.627	.250	4S
40185	L	1.562	2.502	2.506	.250	4L	42260S	S	1.500	1.938	1.942	.250	4S
40208	L	.968	1.499	1.503	.250	4L	42280S	S	.875	1.250	1.254	.250	4S
40230S	S	1.000	1.752	1.756	.250	4S							

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use

 Hydrodynamic Lip Design-CW
 Hydrodynamic Lip Design-CCW

 Hydrodynamic Lip Design-Bidirectional
 Seal & Installation Sleeve

* Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
40000 SERIES (cont.)							50000 SERIES (cont.)						
*42289	S	2.250	3.350	3.355	.250	4S	50126	L	1.406	2.125	2.129	.437	5L
42311S	S	1.000	1.437	1.441	.250	4S	50151S	S	1.125	1.561	1.565	.375	5S
42352S	S	1.750	2.250	2.254	.250	4S	*50160	S	1.125	2.000	2.004	.437	5S
*42364S	S	1.562	2.502	2.506	.250	4S	*50183	S	1.750	2.750	2.754	.500	5S
42421S	S	1.875	2.750	2.754	.250	4S	*50197	H	.375	.999	1.003	.375	5S
*42587S	S	2.250	3.500	3.505	.250	4S	50197S	S	.375	.999	1.003	.375	5S
*42686	S	2.468	3.236	3.241	.250	4S	*50199H	H	.437	.999	1.003	.375	5S
*42707S	S	2.375	3.112	3.117	.250	4S	*50199S	S	.437	.999	1.003	.375	5S
*42754S	S	1.625	2.750	2.754	.250	4S	50209	L	1.031	1.499	1.503	.390	5L
42763	S	1.375	2.282	2.286	.250	4S	50266	L	1.781	2.623	2.627	.500	5L
*42999S	S	2.000	2.875	2.879	.250	4S	50289	L	1.750	2.783	2.787	.531	5L
*43000S	S	2.125	2.875	2.879	.250	4S	*50317	S	2.312	3.251	3.256	.500	5S
43034S	S	2.250	2.875	2.879	.250	4S	50327	L	1.718	2.437	2.441	.468	5L
*43069S	S	1.170	2.000	2.004	.250	4S	*50350	S	2.375	3.371	3.376	.468	5S
*43070S	S	2.093	3.148	3.153	.250	4S	*50352	S	1.750	2.502	2.506	.250	5S
43071S	S	1.750	2.437	2.441	.250	4S	*50385	H	.375	.750	.754	.250	5S
43072S	S	1.125	1.564	1.568	.250	4S	50385S	S	.375	.750	.754	.250	5S
43073S	S	2.000	2.717	2.721	.250	4S	*50394	S	1.500	2.125	2.129	.437	5S
43074S	S	1.578	2.000	2.004	.250	4S	50395S	S	1.375	1.874	1.878	.437	5S
43076S	S	1.187	2.047	2.051	.250	4S	*50401	L	2.000	2.502	2.506	.500	5L
43077S	S	2.625	3.484	3.489	.250	4S	50402	L	1.375	2.282	2.286	.500	5L
43078S	S	1.500	2.192	2.196	.250	4S	*50403	S	1.375	2.062	2.066	.437	5S
43080S	S	.500	.875	.879	.218	4S	50445	L	.312	1.250	1.254	.375	5L
*43085S	S	2.000	2.996	3.001	.250	4S	50468	L	1.484	2.254	2.258	.312	5L
43086S	S	2.875	4.003	4.008	.250	4S	*50470	H	.437	.875	.879	.312	5S
*43088S	S	1.437	2.686	2.690	.250	4S	50470S	S	.437	.875	.879	.312	5S
43089S	S	1.375	2.374	2.378	.250	4S	*50506	L	.718	1.250	1.254	.375	5L
*43092S	S	1.750	2.623	2.627	.250	4S	50528	L	1.968	2.996	3.001	.500	5L
*43093S	S	1.312	2.000	2.004	.250	4S	50560	L	2.468	3.350	3.355	.468	5L
43095S	S	.500	.749	.753	.093	4S	50568◆	T	1.625	2.625	2.629	.500	5S
43109S	S	2.312	3.065	3.070	.281	4S	50569	T	1.625	2.625	2.629	.500	5S
43290S	S	2.500	3.125	3.130	.250	4S	*50606	L	1.062	1.686	1.690	.375	5L
*43361★	S	19.00	47.63	47.73	6.35	4S	50631	L	2.218	3.350	3.355	.468	5L
		.748	1.875	1.879	.250		*50737	S	2.250	3.189	3.194	.437	5S
*43493★	S	30.00	62.00	62.15	6.35	4S	*50776	S	1.375	2.686	2.690	.500	5S
		1.181	2.441	2.447	.250		51032S	S	1.281	1.752	1.756	.375	5S
*43670	S	2.000	3.148	3.153	.250	4S	51083	L	1.250	1.752	1.756	.375	5L
*43808	S	1.500	2.716	2.720	.250	4S	51098	S	1.500	2.502	2.506	.437	48
44052	S	2.255	3.312	3.317	.380	4S	51098L**	L	1.500	2.502	2.506	.435	5L
44053	S	1.821	2.623	2.627	.250	4S	*51265S	S	2.000	3.150	3.155	.500	5S
45013S	S	3.000	4.003	4.008	.250	4S	51322	S	1.365	2.081	2.085	.435	5S
45031S	S	3.750	4.999	5.004	.250	4S	*53809S	S	.344	.999	1.003	.375	5S
45187S	S	4.000	4.876	4.881	.250	4S	*55014	L	3.000	4.249	4.254	.625	5L
45525S	S	3.500	4.125	4.130	.250	4S	*55014S	S	3.000	4.249	4.254	.625	5S
45637S	S	4.687	6.002	6.007	.250	4S	55028	L	3.562	4.999	5.004	.468	5L
45653S	S	1.937	3.500	3.505	.250	4S	55030	L	3.687	4.999	5.004	.468	5L
45825S	S	3.125	3.751	3.756	.250	4S	*55060	L	4.375	6.250	6.256	.562	5L
45827S	S	2.750	3.501	3.505	.250	4S	*55060S	S	4.375	6.250	6.256	.562	5S
46997S	S	2.750	3.751	3.756	.250	4S	55078S	S	9.750	11.250	11.260	.750	5S
*47010S	S	3.625	4.249	4.254	.250	4S	*55095S	S	2.375	3.500	3.505	.500	5S
47150S	S	4.250	5.250	5.256	.250	4S	55103S	S	16.250	18.000	18.010	.750	45
*47314S	S	2.375	3.750	3.755	.250	4S	*55173	S	3.500	4.751	4.756	.625	5S
*47757	S	3.375	4.376	4.381	.250	4S	55236	L	3.250	4.718	4.723	.468	5L
48144	S	.500	.999	1.003	.250	#	55238	L	2.750	4.999	5.004	.468	5L
48146	S	.625	1.124	1.128	.250	#	55301S	S	9.000	10.000	10.010	.750	45
50000 SERIES							*55331	S	3.375	4.501	4.506	.625	5S
*50004	L	.468	1.124	1.128	.375	5L	55337	L	2.250	3.876	3.881	.468	5L
*50009	L	.625	1.124	1.128	.375	5L	55353	L	3.625	4.839	4.844	.500	5L
*50010	L	.375	1.250	1.254	.375	5L	55357	L	5.437	6.749	6.757	.625	5L
*50027	V	.750	1.375	1.379	.406	5L	55419	L	3.437	4.501	4.506	.625	5L
*50041S	S	1.000	1.828	1.832	.437	5S	*55431	L	3.375	4.718	4.723	.468	5L
*50070	S	1.750	2.623	2.627	.500	5S	55469	S	2.750	3.935	3.940	.500	5L
50081	L	1.718	2.875	2.879	.468	5L	*55511S	S	2.843	3.939	3.944	.500	5S
*50097	S	2.125	3.350	3.355	.468	5S	*55522	S	4.375	—	3.127	.500	5S
*50099	L	2.250	3.350	3.355	.468	5L	55524	L	2.000	4.003	4.008	.468	5L
*50099S	S	2.250	3.350	3.355	.468	5S	55548	L	3.000	4.626	4.631	.500	5L
*50103	S	2.375	3.481	3.486	.500	5S	55563◆	T	3.250	4.003	4.008	.468	5S
							*55690	S	3.125	4.625	4.631	.562	5S

For Illustration and Material Data See Technical Section

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★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
50000 SERIES (cont.)							200000 SERIES						
*55829	S	2.375	3.623	3.628	.359	5S	200110	S	2.058	3.149	3.154	.270	200
*55857	L	2.375	3.601	3.606	.437	5L	*200118	S	3.478	4.922	4.927	.468	200
*57831	S	4.062	6.191	6.197	.625	5S	*200122	S	2.748	3.937	3.942	.305	200
70000 SERIES							200133%	S	3.000	4.524	4.600	.433	200E
*70135S	S	1.375	2.125	2.129	.812	7S	*200167	S	3.410	5.251	5.257	.500	200
*73289S	S	.750	1.375	1.379	.500	7S	*200169	S	1.812	2.718	2.727	.400	200
*75149S	S	2.625	3.751	3.756	.875	7S	*200188	S	3.875	6.000	6.006	.390	200
75251S	S	4.812	5.751	5.756	.750	7S	*200198	S	4.125	6.296	6.302	.390	200
*75464H	H	5.312	6.500	6.507	1.033	7S	*200204	S	3.500	4.864	4.964	.321	200
*75549H	H	4.000	4.999	5.004	.625	7S	*200303	S	1.750	3.149	3.154	.291	200
*75658	N	5.187	6.500	6.507	1.093	7S	200322★	S	75.00	120.00	120.12	8.13	200
*75658H	H	5.187	6.500	6.507	1.093	7S			2.953	4.724	4.729	.320	
*75963S	S	3.750	4.751	4.757	.875	7S	*200334	S	1.812	2.874	2.878	.290	200
*76894S	S	3.000	5.000	5.006	.859	7S	200335	S	1.750	2.623	2.627	.290	200
*77286H	H	5.500	6.625	6.632	.670	7S	200338	S	1.250	2.000	2.004	.290	200
*77322H	H	6.312	7.500	7.507	.690	7S	200339	S	2.000	2.875	2.879	.290	200
*77322V	V	6.312	7.500	7.507	.690	7S	*200346	S	2.125	3.543	3.548	.320	200
*77558H	H	4.625	5.501	5.506	.655	7S	200354	S	1.750	2.718	2.722	.359	200
*77685H	H	5.187	6.500	6.507	.812	7S	200371	S	1.945	2.891	2.895	.290	200
*77929H	H	4.125	4.999	5.004	.625	7S	200392	S	2.625	3.813	3.818	.415	200
*77938	S	3.125	4.003	4.008	.790	7S	*200396	S	1.937	2.875	2.879	.290	200
*77980	S	4.250	5.250	5.253	.790	7S	*200397	S	2.437	3.149	3.154	.291	200
*77993T	S	3.720	4.756	4.766	.640	7S	200600%	S	1.750	2.786	2.876	.285	200E
*78021➡	S	4.812	5.751	5.757	.512	7S	200603%	S	3.625	4.695	4.810	.395	200E
*78021T➡	S	4.812	5.751	5.757	.812	7S	200640%	S	1.562	2.531	2.621	.285	200E
*78048	T	4.173	5.374	5.390	.690	7S	200641%	S	1.625	2.462	—	.250	200E
80000 SERIES							200642%	S	4.750	6.002	6.092	.285	200
80313%	S	2.062	3.250	3.310	.500	200E	200752%	S	1.873	2.716	2.806	.281	200E
80330%	L	2.500	3.371	3.435	.500	8L	200763%	S	2.250	3.249	3.250	.285	200E
*84082%	S	3.437	4.625	4.725	.484	8S	*200766%	S	3.062	4.230	4.350	.390	200E
100000 SERIES							*200799%	S	4.000	5.375	5.475	.375	200E
*100052T★➡	T	91.01	111.00	111.13	10.01	FW-H	200851%	S	2.496	3.672	3.772	.315	200E
100058➡	T	3.583	4.370	4.375	.394	W	200854%	S	1.750	2.718	2.728	.294	200E
100085★➡	T	2.156	2.880	2.885	.375	#	200855%	S	2.375	3.471	3.616	.290	200E
100086	V	97.99	114.94	115.32	15.75	#	*200856%	S	4.550	5.500	5.570	.350	200
100165★	S	3.858	4.525	4.540	.620	#	200859%	S	1.500	2.256	—	.270	200
		1.880	3.169	3.176	.480	#	200861%	S	1.500	2.462	2.482	.290	200E
		35.00	57.00	57.30	15.27	#	200865%	S	2.065	3.130	3.130	.294	200E
		1.378	2.244	2.246	.601		200870%	S	3.249	4.468	4.488	.318	200E
*100202T➡	T	2.991	3.622	3.637	.385	FW-H	*200875%	S	4.750	6.437	6.457	.359	200E
*100203T★➡	T	95.00	114.99	115.32	12.50	FW-H	*200878%	S	3.500	4.921	5.021	.321	200E
		3.740	4.527	4.540	.492		*200880%	S	3.249	4.536	4.556	.315	200E
*100204T➡	T	3.625	4.240	4.256	.390	FW-H	200881%	S	2.000	2.804	2.824	.294	200E
*100205T➡	T	3.750	4.501	4.506	.362	FW-H	200885%	S	1.991	2.900	2.975	.290	200E
*100239T★➡	T	88.00	108.00	108.36	11.10	FW-H	200886%	S	1.687	2.650	2.725	.290	200E
		3.465	4.252	4.266	.437		200887%	S	1.562	2.237	2.257	.290	200E
*100253&	T	4.375	5.755	5.705	.840	#	*200888%	S	2.496	3.715	3.745	.315	200E
100263➡	V	3.003	4.937	4.948	.788	08	*200895%	S	1.751	2.533	2.608	.290	200E
*100266V➡	V	2.750	3.543	3.549	.500	#	*200897%	S	2.058	2.062	3.325	.290	200E
*100355	N	3.250	—	4.325	.404	#	200912%	S	1.750	2.630	2.930	.290	200E
100357	V	1.705	3.034	3.039	.562	86	*200919%	S	2.625	3.660	3.960	.320	200E
*100373	N	3.003	3.951	3.961	.289	#	*200922%	S	3.375	4.500	4.800	.315	200E
100400V	V	3.350	4.250	4.280	.635	08	200929%	S	2.250	3.400	3.700	.280	200E
*100406	N	3.003	4.028	4.038	.302	#	*200939%	S	2.390	3.260	3.300	.294	200E
*100459T	T	.634	1.246	1.255	.300	#	*200940%	S	2.250	3.000	3.060	.290	200E
*100467★➡	T	85.00	—	102.57	25.40	#	200942%	S	2.750	3.846	3.928	.290	200E
		3.346	—	4.038	1.000		*200947%	S	4.000	5.510	5.560	.320	200E
100470	T	2.129	2.835	2.846	.323	#	*200958%	S	1.875	2.687	2.762	.280	200E
100494➡	V	3.253	4.249	4.260	.635	08	*200961%	S	3.500	4.864	4.964	.321	200E
100495	V	3.003	3.751	3.761	.420	08	203000 SERIES						
100557➡	V	3.253	5.500	5.511	.635	08	203002	S	1.750	2.717	2.721	.406	203
100675	V	1.875	3.161	3.165	.695	72	203003	S	1.125	1.937	1.942	.562	203
100712V	V	1.874	3.159	3.163	.500	#	*203004	S	1.125	1.937	1.942	.625	203
100715V	V	1.874	3.159	3.163	.500	#	203005	S	1.000	1.780	1.785	.468	203
100727	V	2.500	4.035	4.042	.492	#	203006	S	1.812	2.561	2.566	.500	203
							*203007	S	1.750	2.440	2.445	.468	203
							203008	S	1.687	2.327	2.332	.500	203
							203012	S	1.250	1.968	1.972	.468	203

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡ Hydrodynamic Lip Design-CCW % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
203000 SERIES (cont.)							220000 SERIES (cont.)						
203013	S	1.500	2.327	2.332	.406	203	220860★	S	8.00	16.00	16.20	7.00	35
203015	S	1.750	2.562	2.566	.500	203			.315	.630	.638	.276	
203016	S	1.218	1.968	1.972	.468	203	220918★	S	9.00	18.00	18.20	7.00	35
203020	S	1.125	1.780	1.785	.468	203			.354	.709	.717	.276	
203025	S	1.218	1.979	1.983	.406	203	221040★	S	10.00	19.00	19.20	7.00	35
203029	S	1.250	1.979	1.983	.406	203			.394	.748	.756	.276	
203034	S	1.875	2.995	3.000	.437	203	221122★	S	11.00	22.00	22.23	7.00	35
*203041	S	1.687	2.561	2.566	.500	203			.433	.866	.875	.276	
*203045	S	1.250	1.780	1.785	.468	203	221207★	S	12.00	22.00	22.25	7.00	35
*203055	S	1.187	1.968	1.972	.468	203			.472	.866	.876	.276	
*203071	S	1.812	2.561	2.566	.437	203	221208★	V	12.00	22.00	22.25	7.00	35
204000 SERIES									.472	.866	.876	.276	
204002	S	1.750	2.716	2.721	.406	204	221410★	S	14.00	24.00	24.23	7.00	35
204005	S	1.000	1.780	1.785	.468	204			.551	.945	.954	.276	
*204007	S	1.750	2.440	2.445	.468	204	221510★	N	15.00	25.00	25.25	6.00	32
204008	S	1.687	2.327	2.332	.500	204			.591	.984	.994	.236	
*204009	S	2.093	2.716	2.721	.406	204	221540★	S	15.00	30.00	30.23	7.00	35
*204012	S	1.250	1.968	1.972	.468	204			.591	1.181	1.190	.276	
204013	S	1.500	2.327	2.332	.406	204	221607★	N	16.00	27.00	27.20	14.00	#
*204015	S	1.750	2.561	2.566	.500	204			.630	1.063	1.071	.551	
204017	S	1.625	2.327	2.332	.406	204	221610★	N	16.00	28.00	28.23	7.00	32
204020	S	1.125	1.780	1.785	.468	204			.630	1.102	1.111	.276	
*204024	S	1.250	1.979	1.983	.468	204	221620★	S	16.00	30.00	30.23	7.00	35
204027	S	1.375	2.327	2.332	.406	204			.630	1.181	1.190	.276	
204029	S	1.250	1.979	1.983	.406	204	221710★	S	17.00	28.00	28.23	7.00	35
204035	S	2.296	3.148	3.153	.359	204			.669	1.102	1.111	.276	
204038	S	1.750	2.716	2.721	.359	204	221720★	S	17.00	30.00	30.23	8.00	32
*204047	S	1.875	3.149	3.154	.359	204			.669	1.181	1.190	.276	
*204075	S	1.625	2.327	2.332	.440	204	221730★	S	17.00	32.00	32.22	7.00	35
*204078	S	2.093	2.716	2.721	.359	204			.669	1.260	1.269	.276	
*204079	S	1.937	2.562	2.566	.437	204	221735★	S	17.00	35.00	35.18	7.00	35
*204084	S	1.062	2.750	2.754	.437	204			.669	1.378	1.385	.276	
204500	S	1.625	2.562	2.566	.250	4S	221820★➡	S	18.00	30.00	30.23	9.00	32
204501	S	1.750	3.000	3.005	.250	204			.709	1.181	1.190	.354	
204502	S	1.750	2.561	2.565	.250	204	221830★	S	18.00	32.00	32.22	8.00	35
204503	S	1.750	2.374	2.379	.250	204			.709	1.260	1.269	.315	
204505	S	1.125	1.780	1.785	.250	204	221920★	S	19.00	30.00	30.20	7.00	32
204506	S	2.000	3.623	3.628	.250	204			.748	1.181	1.189	.276	
204507	S	1.250	1.979	1.983	.250	204	221922★	S	19.00	32.00	32.20	8.00	32
204508	S	2.000	3.062	3.066	.250	204			.748	1.260	1.268	.315	
204509	S	5.000	6.250	6.256	.250	204	221925★	S	19.00	36.00	36.23	6.50	35
205000 SERIES									.748	1.417	1.426	.256	
205004	F	1.125	1.937	1.942	.625	205	222020★	S	20.00	32.00	32.23	7.00	35
205005	F	1.000	1.780	1.785	.468	205			.787	1.260	1.269	.276	
*205006	F	1.812	2.561	2.566	.500	205	222025★	S	20.00	30.00	30.28	7.00	32
*205009★	F	53.00	69.00	69.11	10.30	205			.787	1.181	1.192	.276	
		2.087	2.717	2.721	.406		222028★◀	S	20.00	34.00	34.25	7.00	32
*205011	F	1.062	1.938	1.942	.625	205			.787	1.339	1.348	.276	
205015	F	1.750	2.562	2.566	.500	205	222030★➡	S	20.00	35.00	35.23	5.50	32
205017	F	1.625	2.328	2.332	.406	205			.787	1.378	1.387	.217	
*205020	F	1.125	1.781	1.785	.468	205	222036★	V	20.00	36.00	36.20	7.00	32
*205027	F	1.375	2.328	2.332	.406	205			.787	1.417	1.425	.276	
205035	F	2.296	3.148	3.153	.359	205	222050★	S	20.00	40.00	40.23	7.00	35
205044	F	2.000	2.964	2.968	.500	205			.787	1.575	1.584	.276	
*205051	F	1.718	2.562	2.566	.500	205	222060★	S	20.00	47.00	47.20	7.00	35
*205058	F	2.000	2.562	2.566	.500	205			.787	1.850	1.858	.276	
210000 SERIES							222210★	S	22.00	32.00	32.23	7.00	35
210295	S	1.937	2.875	2.879	.687	21			.866	1.260	1.269	.276	
*210914	S	1.500	3.125	3.130	.625	21	222220★	S	22.00	35.00	35.23	7.00	32
210945	S	1.750	3.371	3.376	.625	21			.866	1.378	1.387	.276	
*215271	S	5.000	5.999	6.007	.937	21	222238★	S	22.00	38.00	38.20	8.00	32
*216239	S	7.000	8.500	8.507	1.031	21			.866	1.496	1.504	.315	
220000 SERIES							222240★	S	22.00	40.00	40.23	7.00	35
220818★	S	8.00	18.00	18.20	7.00	32			.866	1.575	1.584	.276	
		.315	.709	.717	.276		222242★	N	22.00	40.00	40.23	12.00	32
									.866	1.575	1.584	.472	
							222267★◀	H	22.00	45.00	45.20	8.00	32
									.866	1.772	1.780	.315	
							222270★	S	22.00	47.00	47.23	7.00	35
									.866	1.850	1.859	.276	

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Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
220000 SERIES (cont.)							220000 SERIES (cont.)						
222310★	S	23.00	32.00	32.20	5.00	34	223250★➡	S	32.00	50.00	50.23	8.00	32
		.905	1.260	1.268	.197				1.260	1.969	1.978	.315	
222330★◄	N	23.00	34.00	34.23	8.00	32	223252★◄	N	32.00	52.00	52.28	11.00	32
		.905	1.339	1.348	.315				1.260	2.047	2.058	.433	
222340★➡	N	23.00	40.00	40.23	7.00	32	223253★➡	N	32.00	53.00	53.28	7.00	32
		.905	1.575	1.584	.276				1.260	2.087	2.098	.276	
222410★	S	24.00	35.00	35.23	7.00	35	223255★	S	32.00	52.00	52.28	7.00	35
		.945	1.378	1.387	.276				1.260	2.047	2.058	.276	
222430★	S	24.00	40.00	40.23	7.00	35	223340★➡	S	33.00	47.00	47.20	8.00	32
		.945	1.575	1.584	.276				1.299	1.850	1.858	.315	
222450★	S	24.00	43.00	43.23	8.00	25	223400★	N	34.00	44.00	44.23	8.00	32
		.945	1.693	1.702	.315				1.339	1.732	1.741	.315	
222510★	S	25.00	35.00	35.25	7.00	35	223410★	S	34.00	48.00	48.28	7.50	35
		.984	1.378	1.388	.276				1.339	1.890	1.901	.295	
222535★	S	25.00	38.00	38.23	7.00	32	223420★➡	N	34.00	48.00	48.28	8.00	32
		.984	1.496	1.505	.276				1.339	1.890	1.901	.315	
222540★	S	25.00	40.00	40.22	7.00	47	223430★➡	N	34.00	50.00	50.20	8.00	35
		.984	1.575	1.583	.276				1.339	1.969	1.976	.315	
222556★➡	H	25.00	42.00	42.30	8.00	32	223440★	N	34.00	53.00	53.28	8.00	32
		.984	1.654	1.665	.315				1.339	2.087	2.098	.315	
222558★	S	25.00	44.00	44.20	7.00	32	223462★	S	34.00	62.00	62.20	10.00	35
		.984	1.732	1.740	.276				1.339	2.441	2.449	.394	
222580★	S	25.00	62.00	62.28	10.00	32	223510★	S	35.00	47.00	47.23	7.00	35
		.984	2.441	2.452	.394				1.378	1.850	1.859	.276	
222630★	N	26.00	38.00	38.20	8.00	32	223520★	S	35.00	50.00	50.24	8.00	35
		1.024	1.496	1.504	.315				1.378	1.969	1.978	.315	
222655★	S	26.00	48.00	48.23	7.00	32	223535★	S	35.00	52.00	52.13	8.00	33
		1.024	1.890	1.899	.276				1.378	2.047	2.052	.315	
222742★	V	27.00	42.00	42.10	7.00	48	223540★◄➡	N	35.00	55.00	55.45	8.00	40
		1.063	1.654	1.657	.276				1.378	2.165	2.183	.315	
222743★◄	H	27.00	43.00	43.20	9.00	32	223542★	N	35.00	55.00	55.23	11.00	32
		1.063	1.693	1.701	.354				1.378	2.165	2.174	.433	
222745★➡	N	27.00	45.00	45.25	9.00	32	223543★	S	35.00	56.00	56.27	10.00	32
		1.063	1.772	1.781	.354				1.378	2.205	2.215	.394	
222820★	S	28.00	40.00	40.34	7.00	33	223550★	S	35.00	58.00	58.10	10.00	45
		1.102	1.575	1.588	.276				1.378	2.283	2.287	.394	
222830★◄	N	28.00	41.00	41.27	7.00	32	223551★	S	35.00	60.00	60.23	10.00	35
		1.102	1.614	1.625	.276				1.378	2.362	2.371	.394	
222835★	N	28.00	44.00	44.20	6.00	32	223552★	S	35.00	62.00	62.28	9.50	32
		1.102	1.732	1.740	.236				1.378	2.441	2.452	.374	
222860★➡	N	28.00	47.00	47.22	8.00	32	223553★➡	N	35.00	62.00	62.28	9.00	40
		1.102	1.850	1.859	.315				1.378	2.441	2.452	.354	
223005★	S	30.00	40.00	40.23	7.00	48	223554★	S	35.00	63.00	63.28	10.00	#
		1.181	1.575	1.584	.276				1.378	2.480	2.491	.394	
223010★➡	S	30.00	42.00	42.20	7.00	32	223555★	N	35.00	64.00	64.13	8.00	47
		1.181	1.654	1.661	.276				1.378	2.520	2.525	.315	
223012★➡	N	30.00	44.00	44.20	7.00	32	223580★➡	S	35.00	68.00	68.16	9.00	40
		1.181	1.732	1.740	.276				1.378	2.677	2.683	.354	
223014★	S	30.00	45.00	45.20	6.00	32	223601★	S	36.00	47.00	47.20	7.00	35
		1.181	1.772	1.780	.236				1.417	1.850	1.858	.276	
223018★	S	30.00	46.00	46.23	7.00	32	223602★➡	N	36.00	49.00	49.28	7.00	32
		1.181	1.811	1.820	.276				1.417	1.929	1.940	.276	
223020★	S	30.00	47.00	47.25	8.00	35	223605★	S	36.00	50.00	50.08	7.00	47
		1.181	1.850	1.860	.315				1.417	1.969	1.972	.276	
223035★	S	30.00	52.00	52.18	7.00	35	223608★◄	S	36.00	52.00	52.20	10.00	32
		1.181	2.047	2.054	.276				1.417	2.047	2.055	.394	
223050★➡	S	30.00	50.00	50.23	7.00	32	223610★	S	36.00	54.00	54.28	7.50	35
		1.181	1.969	1.978	.276				1.417	2.126	2.137	.295	
223210★	S	32.00	40.00	40.15	5.00	34	223620★➡	S	36.00	68.00	68.18	8.00	48
		1.260	1.575	1.581	.197				1.417	2.677	2.684	.315	
223215★◄	S	32.00	42.00	42.20	10.00	32	223750★➡	N	37.00	50.00	50.25	6.00	32
		1.260	1.654	1.661	.394				1.457	1.969	1.978	.236	
223220★➡	N	32.00	44.00	44.23	6.00	32	223800★➡	N	38.00	50.00	50.28	10.50	32
		1.260	1.732	1.741	.236				1.496	1.969	1.980	.413	
223230★	S	32.00	45.00	45.23	7.00	32	223801★	S	38.00	50.00	50.28	8.00	32
		1.260	1.772	1.781	.276				1.496	1.969	1.980	.315	
223235★	N	32.00	46.00	46.23	6.00	32	223802★➡	N	38.00	50.00	50.25	6.00	32
		1.260	1.811	1.820	.236				1.496	1.969	1.978	.236	
223240★	N	31.50	48.00	48.20	9.00	40	223805★	S	38.00	47.00	47.10	7.00	25
		1.260	1.890	1.898	.354				1.496	1.850	1.854	.276	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄➡ Hydrodynamic Lip Design-Bidirectional ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
220000 SERIES (cont.)							220000 SERIES (cont.)						
223822	S	1.496	2.087	.000	.315	32	224462★↔	S	44.00	62.00	62.26	8.00	32
223830★	N	38.00	55.00	55.28	7.00	35			1.732	2.441	2.451	.315	
		1.496	2.165	2.176	.276		224464★◀	N	44.00	62.00	62.28	10.00	32
223831★➡	N	38.00	55.00	55.30	9.00	32			1.732	2.441	2.452	.394	
		1.496	2.165	2.177	.354		224465★➡	S	44.00	65.00	65.20	11.00	32
223840★	S	38.00	58.00	58.11	8.00	47			1.732	2.559	2.567	.433	
		1.496	2.283	2.288	.315		224470★	S	44.00	72.00	72.11	10.00	35
223842★	V	38.00	58.00	58.11	8.00	48			1.732	2.835	2.839	.394	
		1.496	2.283	2.288	.315		224510★	S	45.00	58.00	58.30	7.00	32
223843★	S	38.00	60.00	60.35	10.00	35			1.772	2.283	2.295	.276	
		1.496	2.362	2.376	.394		224520★	S	45.00	60.00	60.25	10.00	35
224010★	S	40.00	52.00	52.28	7.00	35			1.772	2.362	2.372	.394	
		1.575	2.047	2.058	.276		224550★	S	45.00	65.00	65.28	8.00	35
224015★	S	40.00	52.00	52.28	7.00	32			1.772	2.559	2.570	.315	
		1.575	2.047	2.058	.276		224560★	S	45.00	68.00	68.28	7.00	32
224020★➡	S	40.00	55.00	55.28	9.00	32			1.772	2.677	2.688	.276	
		1.575	2.165	2.176	.315		224570★	S	45.00	72.00	72.28	12.00	35
224025★➡	N	40.00	56.00	56.25	7.00	32			1.772	2.835	2.846	.472	
		1.575	2.205	2.215	.276		224650★➡	N	46.00	58.00	58.28	7.00	32
									1.811	2.283	2.294	.276	
224026★	V	40.00	56.00	56.26	9.00	35	224660★➡	H	46.00	60.00	60.28	7.00	32
		1.575	2.205	2.215	.354				1.811	2.362	2.373	.276	
224040★	S	40.00	60.00	60.20	10.00	35	224662★	S	46.00	62.00	62.10	8.00	35
		1.575	2.362	2.370	.394				1.811	2.441	2.445	.315	
224045★	S	40.00	62.00	62.27	11.00	32	224663★➡	N	46.00	63.00	63.40	7.70	35
		1.575	2.441	2.452	.433				1.811	2.480	2.496	.303	
224052★➡	H	40.00	52.00	52.28	7.00	32	224772★	S	47.00	72.00	72.23	8.00	48
		1.575	2.047	2.058	.276				1.850	2.835	2.844	.315	
224053	V	1.575	2.047	.000	.276	32	224810★	N	48.00	62.00	62.28	8.00	32
224063★➡	N	40.00	63.00	63.30	8.00	32			1.890	2.441	2.452	.315	
		1.575	2.480	2.492	.315		224815★	N	48.00	74.00	74.30	10.00	40
224066★➡	N	40.00	66.00	66.30	8.00	40			1.890	2.913	2.925	.394	
		1.575	2.598	2.610	.315		224820★	S	48.00	62.00	62.10	8.00	32
224068★	N	40.00	68.00	68.10	9.00	40			1.890	2.441	2.445	.315	
		1.575	2.677	2.681	.354		224835★	N	48.00	68.00	68.27	10.00	32
224100★	S	40.00	65.00	65.28	10.00	35			1.890	2.677	2.688	.394	
		1.575	2.559	2.570	.394		224840★➡	S	48.00	68.00	68.30	11.00	32
224150★	N	41.00	54.00	54.23	7.00	35			1.890	2.677	2.689	.433	
		1.614	2.126	2.135	.276		224850★	S	48.00	72.00	72.28	10.00	32
									1.890	2.835	2.846	.394	
224200★	S	42.00	55.00	55.20	7.50	32	224865★	S	48.00	65.00	65.20	10.00	32
		1.654	2.165	2.173	.295				1.890	2.559	2.567	.394	
224205★➡	N	42.00	55.00	55.33	9.00	32	224870★	S	48.00	73.00	73.10	7.00	47
		1.654	2.165	2.178	.354				1.890	2.874	2.878	.276	
224210★	S	42.00	55.00	55.28	8.00	35	224872★	S	48.00	72.00	72.35	8.50	32
		1.654	2.165	2.176	.315				1.890	2.835	2.848	.335	
224215★◀	N	42.00	58.00	58.28	8.00	32	224874★	S	48.00	74.00	74.23	10.00	32
		1.654	2.283	2.294	.315				1.890	2.913	2.922	.394	
224220★	S	42.00	56.00	56.21	7.00	49	224979★➡	N	49.00	79.00	79.10	17.50	47
		1.654	2.205	2.213	.276				1.929	3.110	3.114	.689	
224235★	S	42.00	58.00	58.18	7.00	48	225005★	S	50.00	62.00	62.28	7.00	32
		1.654	2.283	2.291	.276				1.969	2.441	2.452	.276	
224250★	S	42.00	62.00	62.27	8.00	35	225008★	S	50.00	62.00	62.10	9.00	47
		1.654	2.441	2.452	.315				1.969	2.441	2.445	.354	
224252★	S	42.00	62.00	62.27	10.00	32	225010★	S	50.00	65.00	65.28	8.00	47
		1.654	2.441	2.452	.394				1.969	2.559	2.565	.315	
224254★	S	42.00	64.00	64.18	6.00	34	225020★➡	V	50.00	68.00	68.28	9.00	32
		1.654	2.520	2.527	.236				1.969	2.677	2.688	.354	
224255★	N	42.00	65.00	65.15	10.00	47	225030★	S	50.00	72.00	72.28	8.00	35
		1.654	2.559	2.565	.394				1.969	2.835	2.846	.315	
224266★	S	42.00	66.00	66.28	10.00	32	225035★	S	50.00	72.00	72.35	10.00	32
		1.654	2.598	2.609	.394				1.969	2.835	2.848	.394	
224270★	S	42.00	72.00	72.27	10.00	32	225040★➡	S	50.00	72.00	72.35	12.00	32
		1.654	2.835	2.845	.394				1.969	2.835	2.848	.472	
224320★	S	43.00	62.00	62.10	9.50	47	225050★	S	50.00	80.00	80.28	8.00	35
		1.693	2.441	2.445	.374				1.969	3.150	3.161	.315	
224400★	S	43.00	54.00	54.10	6.50	25	225082★	S	50.00	82.00	82.18	11.50	#
		1.693	2.126	2.130	.256				1.969	3.228	3.235	.453	
224450★➡	N	44.00	59.00	59.23	6.80	35	225110★	S	51.00	65.00	65.10	7.00	47
		1.732	2.323	2.332	.268				2.008	2.559	2.563	.276	
224460★➡	H	44.00	60.00	60.28	10.00	32							
		1.732	2.362	2.373	.394								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
220000 SERIES (cont.)							220000 SERIES (cont.)						
225208★	S	52.00	65.00	65.20	9.00	32	226510★➡	N	65.00	81.00	81.28	7.00	32
		2.047	2.559	2.567	.354				2.559	3.189	3.200	.276	
225210★	N	52.00	66.00	66.23	9.00	35	226520★	S	65.00	85.00	85.27	10.00	35
		2.047	2.598	2.607	.354				2.559	3.346	3.357	.394	
225220★	S	52.00	68.00	68.28	8.00	32	226530★	S	65.00	90.00	90.28	10.00	35
		2.047	2.677	2.688	.315				2.559	3.543	3.554	.394	
225225★	S	52.00	70.00	70.27	8.00	47	226610★	N	66.00	80.00	80.11	9.00	41
		2.047	2.756	2.767	.315				2.598	3.150	3.154	.354	
225227★	S	56.00	72.00	72.27	12.50	#	226820★➡	H	68.00	86.00	86.31	8.00	32
		2.205	2.835	2.845	.492				2.677	3.386	3.398	.315	
225230★	S	52.00	72.00	72.28	8.00	35	226840★	V	68.00	95.00	95.30	13.00	#
		2.047	2.835	2.846	.315				2.677	3.740	3.752	.512	
225275★	S	52.00	75.00	75.11	7.50	66	227020★◄	H	70.00	88.00	88.25	12.00	32
		2.047	2.953	2.957	.295				2.756	3.465	3.474	.472	
225278★	N	52.00	78.00	78.28	9.00	35	227040★◄	H	70.00	90.00	90.32	10.00	35
		2.047	3.071	3.082	.354				2.756	3.543	3.556	.394	
225410★	S	54.00	66.00	66.23	7.50	#	227045★	H	70.00	92.00	92.23	12.00	32
		2.126	2.598	2.607	.295				2.756	3.622	3.631	.472	
225420★	S	54.00	72.00	72.25	10.00	32	227235★◄	H	72.00	96.00	96.28	9.00	32
		2.126	2.835	2.844	.394				2.835	3.780	3.791	.354	
225450★	S	54.00	82.00	82.30	10.00	32	227409★◄	H	74.00	90.00	90.15	10.00	32
		2.126	3.228	3.240	.394				2.913	3.543	3.549	.394	
225460★	S	54.00	85.00	85.25	10.00	32	227410★➡	H	74.00	98.00	98.20	12.00	32
		2.126	3.346	3.356	.394				2.913	3.858	3.866	.472	
225500★	S	55.00	68.00	68.30	8.00	32	227530★	S	75.00	95.00	95.28	10.00	35
		2.165	2.677	2.689	.315				2.953	3.740	3.751	.394	
225505★	S	55.00	70.00	70.27	9.00	32	227540★	S	75.00	100.00	100.20	12.00	32
		2.165	2.756	2.767	.394				2.953	3.937	3.945	.472	
225530★	S	55.00	72.00	72.25	8.00	35	227550★◄	H	75.00	100.00	100.27	13.00	32
		2.165	2.835	2.844	.315				2.953	3.937	3.948	.472	
225535★	S	55.00	72.00	72.20	10.50	32	227610★➡	H	76.00	98.00	98.20	12.00	32
		2.165	2.835	2.843	.413				2.992	3.858	3.866	.472	
225540★%	S	52.00	70.00	70.27	7.50	#	228005★◄	V	80.00	96.00	96.28	9.00	32
		2.047	2.756	2.767	.295				3.150	3.780	3.791	.354	
225545★	S	55.00	75.00	75.35	10.00	35	228008★◄	V	80.00	98.00	98.40	10.00	32
		2.165	2.953	2.967	.394				3.150	3.858	3.874	.394	
225650★◄➡	S	56.00	72.00	72.29	11.50	32	228009★◄	H	80.00	100.00	100.23	10.00	32
		2.205	2.835	2.846	.453				3.150	3.937	3.946	.394	
225673★	S	56.00	73.00	73.23	7.50	#	228010★◄	H	80.00	100.00	100.35	13.00	32
		2.205	2.874	2.883	.295				3.150	3.937	3.951	.512	
225678★	S	56.00	78.00	78.28	7.50	#	228011★◄	V	80.00	100.00	100.20	10.00	32
		2.205	3.071	3.082	.295				3.150	3.937	3.945	.394	
225775★	S	56.00	75.00	75.33	8.00	#	228015★➡	H	80.00	100.00	100.20	10.00	32
		2.205	2.953	2.966	.315				3.150	3.937	3.945	.394	
225872★	S	58.00	72.00	72.18	8.00	33	228020★	S	80.00	105.00	105.27	14.00	32
		2.283	2.835	2.842	.315				3.150	4.134	4.144	.551	
225874★	N	58.00	74.00	74.12	13.00	101	228025	S	3.150	4.134	4.144	.551	32
		2.283	2.913	2.918	.512		228030★	S	80.00	110.00	110.28	12.00	35
225875★	S	58.00	75.00	75.28	11.00	32			3.150	4.331	4.342	.472	
		2.283	2.953	2.964	.433		228250★◄	H	83.00	100.00	100.20	9.00	32
225877★	N	58.00	77.00	77.28	8.50	35			3.268	3.937	3.945	.354	
		2.283	3.031	3.043	.335		228410★◄	V	84.00	104.00	104.28	11.00	32
225880★	S	58.00	80.00	80.28	8.00	32			3.307	4.094	4.106	.433	
		2.283	3.150	3.161	.315		228411	V	3.307	4.094	.000	.394	32
225885	N	2.165	2.953	.000	.394	32	228480★◄	H	82.00	105.00	105.30	13.00	#
226001★◄	V	60.00	74.00	74.10	10.00	25			3.228	4.134	4.146	.512	
		2.362	2.913	2.917	.394		228520★	S	85.00	110.00	110.28	12.00	35
226015★◄	N	60.00	75.00	75.33	9.00	32			3.346	4.331	4.342	.472	
		2.362	2.953	2.966	.354		228700★◄	H	87.00	100.00	100.20	8.00	32
226018★	N	60.00	78.00	78.28	8.00	35			3.425	3.937	3.945	.315	
		2.362	3.071	3.082	.315		229004★◄	H	89.00	109.00	109.20	9.00	32
226020★	S	60.00	80.00	80.29	8.00	35			3.504	4.291	4.299	.354	
		2.362	3.150	3.161	.315		229005★◄	V	90.00	110.00	110.31	12.00	32
226150★	S	61.00	76.00	76.28	7.00	#			3.543	4.331	4.343	.472	
		2.402	2.992	3.003	.276		229006★◄	H	90.00	110.00	110.20	9.00	32
226285★	S	62.00	85.00	85.13	8.00	41			3.543	4.331	4.339	.354	
		2.441	3.346	3.352	.315		229010★◄	H	90.00	110.00	110.31	8.50	32
226480★◄	H	64.00	80.00	80.20	8.00	33			3.543	4.331	4.343	.335	
		2.520	3.150	3.157	.315		229210★◄➡	V	91.00	110.00	110.26	8.50	32
									3.583	4.331	4.341	.335	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄➡ Hydrodynamic Lip Design-Bidirectional % External Bore ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
220000 SERIES (cont.)							250000 SERIES (cont.)						
229520★	S	95.00	130.00	130.28	12.00	35	252277	S	1.000	1.375	1.379	.250	25
		3.740	5.118	5.129	.472		*252277V	V	1.000	1.375	1.379	.250	25
229522	S	1.969	2.618	.000	.610	40	*252317	S	.812	1.367	1.372	.312	25
230000 SERIES							*252450	S	.750	1.311	1.315	.312	25
231002★	S	100.00	120.00	120.28	12.00	35	253099	S	1.500	1.874	1.879	.250	25
		3.937	4.724	4.735	.472		*253610	S	2.375	2.873	2.877	.312	25
231003★	S	100.00	125.00	125.28	12.00	35	253747	S	.625	.875	.880	.125	25
		3.937	4.921	4.932	.472		*253752★	S	57.00	67.00	67.11	6.00	25
231004★	H	100.00	120.00	120.12	11.00	32		2.244	2.638	2.642	.236		
		3.937	4.724	4.735	.433		254270	S	.750	1.124	1.129	.187	25
231052★	H	105.00	120.00	120.20	11.00	32	254287	S	.875	1.250	1.255	.250	25
		4.134	4.724	4.732	.433		*254287V	V	.875	1.250	1.255	.250	25
231204★	S	120.00	145.00	145.28	12.00	35	*255566H	H	3.250	4.125	4.130	.500	25
		4.724	5.709	5.720	.472		*255833	S	3.625	4.725	4.730	.312	25
231250★	S	125.00	150.00	150.28	12.00	35	*256616	S	8.625	9.778	9.786	.625	25
		4.921	5.906	5.917	.472		*256656	S	8.125	8.750	8.757	.375	25
231402★	S	140.00	160.00	160.27	13.00	35	*256936N	N	2.750	3.500	3.505	.567	25
		5.512	6.299	6.310	.512		290000 SERIES						
231405★	S	140.00	170.00	170.28	15.00	35	*290070	F	1.750	2.623	2.627	.500	29
		5.512	6.693	6.704	.591		*290944	F	1.875	2.998	3.002	.375	29
*231905★	S	190.00	220.00	220.35	16.00	35	*291070	F	2.062	2.875	2.879	.500	29
		7.480	8.661	8.675	.630		*291099	F	1.625	2.562	2.566	.375	29
239128★	S	38.00	52.00	52.20	9.00	#	*291148	F	2.000	3.264	3.269	.312	29
		1.496	2.047	2.055	.354		*291190	S	1.000	2.106	2.110	.468	29
239129★	S	73.00	86.00	86.28	5.00	#	291295	F	1.843	2.400	2.404	.235	29
		2.874	3.386	3.397	.197		*292100	F	2.250	3.264	3.269	.312	29
239134★	S	37.00	78.00	78.30	12.00	#	292594	F	2.000	2.635	2.639	.235	29
		1.457	3.071	3.083	.472		*293280	F	2.000	3.155	3.160	.500	29
239146★	S	38.00	54.00	54.30	7.00	48	*293751★	S	38.00	52.91	53.01	8.26	29
		1.496	2.126	2.138	.276			1.496	2.083	2.087	.325		
239155	S	1.772	2.520	2.530	.472	#	*295113	F	2.875	4.335	4.340	.437	29
239201★&	S	40.00	52.00	52.20	6.50	32	*295200	F	4.500	5.501	5.506	.562	29
		1.575	2.047	2.055	.256		*296051	F	3.250	4.500	4.505	.406	29
240000 SERIES							*296121	F	2.875	4.500	4.505	.406	29
*240005	S	.500	1.124	1.134	.175	24	296470	F	3.250	4.249	4.254	.375	29
*240007	S	.562	1.124	1.135	.175	24	310000 SERIES						
240009	S	.625	1.124	1.135	.175	24	*310385	S	.375	.750	.754	.250	31
240023	S	.625	1.375	1.385	.175	24	310841	S	2.750	3.125	3.130	.187	31
240119	S	.500	.999	1.010	.175	24	311189	S	.375	.687	.691	.156	31
240151	S	1.125	1.561	1.572	.187	24	*311189N	N	.375	.687	.691	.156	31
240215	S	.875	1.624	1.634	.187	24	*311197	S	.621	.937	.941	.187	31
240319	S	1.500	2.000	2.010	.187	24	312140	S	1.125	1.502	1.506	.250	31
*240319N	N	1.500	2.000	2.010	.187	24	312196	S	.500	.843	.848	.250	31
240356	S	1.250	1.686	1.697	.187	24	*312260	S	1.500	1.938	1.942	.250	31
240385	S	.375	.750	.760	.175	24	312518	S	.750	1.000	1.005	.125	31
*240385N	N	.375	.750	.760	.175	24	*313043	S	.750	1.187	1.191	.156	31
240414	S	1.000	1.437	1.447	.187	24	313156	N	.562	.810	.814	.187	31
240435	S	.250	.750	.760	.175	24	*313156N	N	.562	.810	.814	.187	31
240457	S	.984	1.828	1.838	.187	24	*313290	S	2.500	3.125	3.130	.250	31
240462	S	1.000	1.936	1.948	.187	24	313842	S	1.125	1.438	1.444	.215	31
*240462N	N	1.000	1.936	1.948	.187	24	314259	S	.562	.875	.879	.187	31
240470	S	.437	.875	.885	.175	24	314267N	N	.625	1.000	1.005	.125	31
240698	S	.312	.625	.635	.175	24	*315286★	S	125.00	140.00	140.18	7.00	31
240716	S	1.312	1.752	1.760	.187	24		4.921	5.512	5.519	.276		
240731	S	1.000	1.250	1.260	.125	24	*315364	S	2.750	3.500	3.505	.250	31
240733	S	.875	1.124	1.135	.125	24	*315364H	H	2.750	3.500	3.505	.250	31
240735	S	.750	.999	1.010	.156	24	320000 SERIES						
240736	S	1.250	1.499	1.509	.156	24	*320242	V	.697	1.220	1.227	.204	32
*240791	S	.625	1.124	1.135	.175	24	320249★➡	V	35.00	48.00	48.21	7.60	32
*240791N	N	.625	1.124	1.135	.175	24		1.378	1.890	1.898	.299		
240816	S	.750	1.062	1.072	.187	24	320259➡	V	2.005	2.878	2.888	.340	32
240949	S	1.250	1.250	1.838	.187	24	320348★➡	V	32.00	45.00	45.21	6.00	32
250000 SERIES								1.260	1.772	1.780	.236		
*250416	S	.625	1.000	1.004	.250	25	320457	S	.472	1.000	1.006	.375	32
250437V	V	1.156	1.575	1.580	.312	25	*320510V	V	1.937	2.500	2.510	.374	32
*250861V	V	.875	1.260	1.265	.250	25	*320552V	V	2.375	3.125	3.138	.500	32
251511	S	1.250	1.625	1.630	.188	25							

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
320000 SERIES (cont.)							320000 SERIES (cont.)						
*320563★	V	42.00	60.00	60.22	7.00	32	*327995V	V	2.991	3.622	3.637	.380	32
320564★	V	45.00	68.00	68.28	7.00	32	330000 SERIES						
*320567	S	1.772	2.677	2.688	.276	32	*330356	S	1.250	1.686	1.691	.375	33
320583★➡	S	.875	1.375	1.383	.312	32	330385	S	.375	.750	.754	.250	33
320595★	S	43.00	60.00	60.30	8.00	32	330414	S	1.000	1.437	1.441	.250	33
320603★➡	S	1.693	2.362	2.374	.315	32	*330414N	N	1.000	1.437	1.441	.250	33
320691★➡	V	29.00	45.00	45.23	8.00	32	*330480	S	1.375	1.828	1.832	.375	33
*320832★	S	1.142	1.772	1.781	.315	32	*330480N	N	1.375	1.828	1.832	.375	33
*320833★	S	25.00	37.00	37.26	7.00	32	330663	S	1.375	1.874	1.878	.312	33
*320834★	S	.984	1.457	1.467	.276	32	*330663N	N	1.375	1.874	1.878	.312	33
*320857★	S	82.00	99.50	99.77	12.70	32	330699	S	.500	.875	.879	.187	33
*321150	S	3.228	3.918	3.928	.500	32	*330749	S	1.562	2.062	2.066	.250	33
321267	S	48.00	62.00	62.20	8.00	32	*330749N	N	1.562	2.062	2.066	.250	33
321416	N	1.890	2.441	2.449	.315	32	330749V	V	1.562	2.062	2.066	.250	33
321417N	N	38.00	52.00	52.25	8.50	32	*330867H	H	2.125	2.875	2.879	.375	33
321460	S	1.496	2.047	2.057	.335	32	*331107	S	2.000	2.746	2.750	.375	33
*321471	S	38.00	74.00	74.27	11.00	32	*331107H	H	2.000	2.746	2.750	.375	33
321516	S	1.496	2.913	2.924	.433	32	331107N	H	2.000	2.746	2.750	.375	33
322353	S	35.00	56.00	56.27	10.00	32	331173	S	.701	1.160	1.164	.250	33
322373	S	1.378	2.205	2.215	.394	32	331227H➡	H	1.875	2.624	2.628	.375	33
323119	S	1.625	2.374	2.385	.375	32	331228H➡	N	1.500	2.249	2.253	.360	75
323125	S	.875	1.375	1.381	.250	32	331301N	N	2.000	2.562	2.566	.528	33
323126	S	1.500	2.055	2.065	.276	32	*331356★	S	50.00	62.00	62.08	6.00	33
323133	S	1.417	1.953	1.961	.276	32		1.969	2.441	2.444	.236		
323138	S	1.781	2.251	2.259	.375	32	*331882	S	1.937	2.686	2.690	.500	33
*323715★	S	.984	1.834	1.842	.250	32	332062➡	S	1.869	2.518	2.522	.375	33
*323871★	S	1.000	2.441	2.447	.375	32	332134	S	2.062	2.561	2.565	.312	33
324112	S	1.250	1.687	1.693	.250	32	*332271N	N	2.330	3.000	3.005	.400	33
*324115N★	N	1.500	2.250	2.260	.312	32	*333860★	S	28.00	46.89	47.00	8.00	33
*324151★	S	1.750	2.715	2.721	.437	32		1.102	1.846	1.850	.315		
*324151N★	N	1.375	2.717	2.723	.375	32	334111★	S	43.00	54.00	54.10	7.50	33
*324152	N	1.250	1.685	1.691	.252	32		1.693	2.126	2.130	.295		
*324186★	S	1.125	1.781	1.787	.406	32	*335821	S	4.500	5.250	5.256	.437	33
324204★➡	V	1.375	1.828	1.834	.250	32	*335821H	H	4.500	5.250	5.256	.437	33
324234V	V	42.00	60.00	60.22	7.00	32	*335924	S	4.000	4.562	4.568	.375	33
324939	S	1.654	2.362	2.371	.276	32	*335924H	H	4.000	4.562	4.568	.375	33
324941	S	45.00	61.90	62.00	10.00	32	335924N	N	4.000	4.562	4.568	.375	33
*325088	S	1.772	2.437	2.441	.394	32	*336665H	H	6.125	6.750	6.757	.375	33
*325277T➡	T	.500	1.156	1.166	.250	32	337426N	N	9.250	10.250	10.258	.500	33
*325277TL➡	T	32.00	46.00	46.20	6.00	32	340000 SERIES						
*325378➡	V	1.260	1.811	1.819	.236	32	340009S	S	.625	1.124	1.130	.250	34
327215	S	25.00	40.00	40.31	8.00	32	340120	S	1.000	1.499	1.507	.250	34
327303	S	1.984	1.575	1.587	.315	32	340136	S	1.500	2.250	2.258	.250	34
*327934➡	T	25.00	40.00	40.31	8.00	32	*340136H	H	1.500	2.250	2.258	.250	34
*327958➡	V	1.375	2.166	2.176	.485	32	340151	S	1.125	1.561	1.569	.250	34
*327984➡	T	52.00	68.00	68.43	10.00	32	340210	S	1.062	1.499	1.507	.250	34
*327985T➡	T	2.047	2.677	2.694	.394	32	340356	S	1.250	1.686	1.696	.218	34
327995★➡	V	39.00	57.00	57.38	9.65	32	340385	S	.375	.750	.756	.250	34
	V	1.535	2.244	2.259	.380	32	340387	S	.625	.812	.820	.093	34
	V	.500	1.010	1.017	.204	32	340400	S	1.750	2.250	2.258	.250	34
	S	1.625	2.116	2.127	.312	32							
	S	1.750	2.566	2.574	.311	32	*340400H	H	1.750	2.250	2.258	.250	34
*325088	S	3.000	4.490	4.508	.562	32	340413	S	.875	1.308	1.316	.250	34
*325277T➡	T	4.687	6.500	6.514	.500	32	340469	S	.656	1.250	1.258	.250	34
*325277TL➡	T	4.687	6.500	6.514	.500	32	*340469N	N	.656	1.250	1.258	.250	34
	V	4.687	5.750	5.762	.565	32	340483	S	.875	1.250	1.256	.250	34
	V	4.330	5.118	5.130	.396	32	340495	S	.750	1.124	1.133	.250	34
*325940	S	12.750	13.625	13.635	.562	32	340724	S	.614	.999	1.006	.250	34
*325978	S	2.812	3.500	3.510	.430	32	340771	S	.490	.875	.883	.250	34
327215	S	4.000	4.998	5.006	.500	32	340787	S	.937	1.375	1.383	.250	34
327303	S	4.500	5.251	5.259	.437	32	*340787N	N	.937	1.375	1.383	.250	34
*327934➡	T	4.812	5.750	5.762	.580	32							
*327958➡	V	5.187	6.500	6.512	.500	32	340797	S	.593	.935	.943	.175	34
*327984➡	T	5.312	6.500	6.513	.500	32	340815	S	1.125	1.494	1.505	.250	34
*327985T➡	T	5.312	6.500	6.513	.500	32	340817	S	1.187	1.627	1.635	.250	34
	V	76.00	92.00	92.28	9.60	32	340823	S	1.875	2.502	2.511	.250	34
	V	2.992	3.622	3.633	.378	32	340826	S	.312	.500	.506	.125	34
							340827	S	.375	.562	.568	.125	34
							340835	S	1.125	1.375	1.381	.125	34

For Illustration and Material Data See Technical Section

➡ Hydrodynamic Lip Design-CW ➡ Hydrodynamic Lip Design-CCW ➡ Hydrodynamic Lip Design-Bidirectional

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
340000 SERIES (cont.)							350000 SERIES (cont.)						
340847	S	.500	.750	.756	.125	34	*351518	S	1.362	2.241	2.249	.250	35
340849	S	.625	.875	.883	.093	34	351646	S	.875	1.624	1.630	.250	35
340850	S	.875	1.187	1.193	.187	34	352354	S	1.375	1.874	1.880	.250	32
340853	S	1.375	1.750	1.756	.187	34	352444	S	1.437	2.062	2.068	.250	35
340872	S	.156	.500	.504	.187	34	352521	S	1.500	2.000	2.006	.250	32
340900	S	2.093	2.716	2.725	.250	34	352541	S	2.000	2.502	2.508	.250	35
340927	S	1.562	2.096	2.102	.250	34	352560	S	1.125	1.561	1.567	.250	35
340930	S	1.437	2.000	2.006	.125	34	352637	S	2.250	3.035	3.044	.375	35
*340980	S	1.500	2.062	2.066	.240	34	353120	S	1.875	2.397	2.403	.250	35
341022	S	2.250	2.625	2.636	.187	34	353131	S	.812	1.375	1.381	.250	35
*341119★	S	58.00	80.98	81.18	6.35	34	353132	S	.875	1.308	1.314	.250	35
		2.283	3.188	3.196	.250		353135	S	1.250	1.686	1.692	.219	35
*341518	S	1.362	2.241	2.249	.250	34	353137	S	1.281	2.000	2.006	.250	35
*342047	S	.390	.750	.756	.250	34	353141	S	1.687	2.279	2.285	.250	35
*342214	S	1.312	1.750	1.758	.250	34	*353676★	S	50.00	68.00	68.28	8.00	35
342517	S	1.000	1.312	1.318	.125	34			1.969	2.677	2.688	.315	
342518	S	.750	1.000	1.005	.125	34	354040	T	1.750	2.500	2.508	.375	35
342613	S	.500	.875	.881	.125	34	354041	T	1.771	2.622	2.628	.500	35
342614	S	.500	.875	.881	.250	34	354967	S	2.950	3.741	3.752	.394	35
342805	S	.500	.687	.693	.093	34	355200	S	4.500	5.501	5.511	.500	35
343098	S	1.000	1.247	1.253	.187	34	*355305	S	3.500	4.501	4.511	.528	35
							*355305N	N	3.500	4.501	4.511	.528	35
343099	S	1.500	1.874	1.880	.250	34	355526	S	3.000	3.876	3.885	.500	35
343101	S	.437	.624	.633	.125	34	*355590V★↔↔	V	116.50	135.00	135.30	13.00	35
343104	S	.250	.499	.505	.187	34			4.587	5.315	5.327	.512	
343105	S	.625	.936	.942	.187	34	355660H	H	3.622	4.331	4.342	.394	35
343123	S	1.000	1.563	1.569	.187	34	355669	S	3.040	3.937	3.946	.250	35
343185	S	.750	1.125	1.131	.156	34	355732	S	2.500	4.250	4.260	.500	35
343186	S	1.250	1.499	1.505	.125	34	*355737	S	2.125	3.547	3.557	.375	35
345035	S	4.000	4.999	5.008	.312	34	*357971V	V	5.748	6.751	6.763	.500	35
345146	S	3.500	4.499	4.508	.250	34							
*345214	S	4.812	6.000	6.010	.250	34							
							360000 SERIES						
*345214H	H	4.812	6.000	6.010	.250	34	365008%	S	2.687	3.876	3.876	.250	36
345448	S	5.250	6.250	6.260	.250	34							
*345703	S	3.250	4.330	4.340	.250	34							
*345887	S	2.500	3.750	3.759	.250	34							
							370000 SERIES						
350156	S	.375	.874	.883	.312	35	370001A	S	3.500	4.842	4.848	.925	09
*350319	S	1.500	2.000	2.010	.437	35	370002A	S	3.500	5.000	5.006	1.000	03
350364	S	.312	.750	.756	.250	35	370003A	S	4.765	6.311	6.318	1.078	11
*350385	S	.375	.750	.756	.250	35	370004A	S	4.812	6.500	6.507	.865	03
350394	S	1.500	2.125	2.134	.437	35	370005A	S	4.765	6.251	6.265	.605	09
350414	S	1.000	1.437	1.445	.250	35	370006A	S	4.765	6.999	7.006	1.250	03
350435	S	.250	.750	.758	.250	35	370007A	S	4.875	6.373	6.379	.921	03
*350509★	S	15.00	25.00	25.22	7.00	35	370008A	S	3.937	5.372	5.378	1.015	11
		.591	.984	.993	.276		370009A	S	3.937	5.501	5.507	.937	03
350567	S	.875	1.375	1.385	.312	35	370010A	S	2.875	4.125	4.130	.842	01
350572★	V	40.00	72.00	72.35	7.00	35							
		1.575	2.835	2.848	.276		370011A	S	3.625	5.000	5.014	.875	05
							370012A	S	3.625	4.810	4.823	.921	07
350609★↔	N	44.00	68.00	68.30	8.00	35	370013A	S	3.312	5.000	5.006	.937	03
		1.732	2.677	2.689	.315		370014A	S	3.125	4.500	4.506	.605	06
*350612★	V	40.00	56.00	56.26	7.00	35	370015A	S	4.000	5.375	5.381	1.000	03
		1.575	2.205	2.215	.276		370018A	S	3.250	4.500	4.506	.605	06
350679	S	.750	1.250	1.258	.312	35	370019A	S	4.375	6.251	6.256	.605	06
350823	S	1.875	2.502	2.506	.328	35	370020A	S	4.500	6.000	6.007	.984	03
*350858★	S	52.00	72.00	72.28	8.00	35	370021A	S	4.500	6.251	6.265	.610	09
		2.047	2.835	2.846	.315		370022A	S	4.500	5.750	5.756	.960	09
350877	S	.875	1.575	1.581	.250	35							
*350878	S	1.281	1.997	2.005	.375	35	370023A	S	3.875	5.690	5.706	.875	11
350909	S	1.000	1.502	1.510	.312	35	370024A	S	3.875	5.501	5.515	.875	11
350936	S	1.875	2.561	2.571	.312	35	370025A	S	4.625	5.999	6.008	.840	11
*350936N	N	1.875	2.561	2.571	.312	35	370026A	S	4.635	6.007	6.014	.937	03
							370027A	S	4.812	6.311	6.316	1.062	03
350954	S	.750	1.250	1.256	.250	35	370028A	S	5.000	6.250	6.256	1.375	01
350974	S	1.125	1.850	1.859	.312	35	370029A	S	3.187	5.000	5.006	.765	03
351028	S	.490	1.122	1.132	.265	35	370030A	S	4.265	6.064	6.071	.605	06
351255	S	.625	1.375	1.381	.250	35	370031A	S	4.250	6.250	6.256	1.188	09
351267	S	.875	1.375	1.381	.250	35	370033A	S	3.875	5.126	5.132	.605	06
351466	S	.625	1.124	1.130	.250	35							
351487	S	.625	.999	1.005	.250	35	370034A	S	4.375	6.311	6.317	1.090	03
							370036A	S	4.000	5.757	5.772	.930	09
							370037A	S	4.375	5.757	5.763	1.000	03
							370038A	S	5.000	7.437	7.444	.605	06

For Illustration and Material Data See Technical Section

★ Hydrodynamic Lip Design-CCW ★↔ Hydrodynamic Lip Design-Bidirectional % External Bore * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
370000 SERIES (cont.)							380000 SERIES (cont.)						
370039A	S	5.500	7.437	7.444	1.000	03	380023A	T	3.875	5.690	5.706	.770	10
370043A	S	5.500	7.125	7.132	1.187	03	380025A	T	4.625	5.999	6.005	.937	10
370046A	S	3.125	4.625	4.631	.605	06	380031A	T	4.250	6.250	6.256	1.188	10
370047A	S	3.437	4.755	4.761	.605	06	380036A	T	4.000	5.757	5.772	.930	10
370048A	S	4.375	5.905	5.911	1.000	03	380048A	T	4.375	5.905	5.918	1.015	10
370051A	S	4.625	6.622	6.629	1.093	03	380065A	T	4.250	6.000	6.008	1.000	10
370054A	S	2.875	4.175	4.181	.822	03	380069A	T	5.250	7.375	7.386	1.000	3
370057A	S	4.875	6.437	6.444	.921	03	380131A	T	4.500	5.876	5.892	.984	10
370063A	S	5.000	6.250	6.256	.605	06	386025A	T	4.625	.000	5.998	.580	10
370064A	S	5.625	7.186	7.194	.906	03	386590A	T	4.252	6.007	6.048	.580	10
370065A	S	4.250	6.008	6.022	1.000	09	390000 SERIES						
370066A	S	4.000	5.626	5.632	.605	06	*392076	S	2.231	3.371	3.376	.812	#
370069A	S	5.250	7.375	7.386	1.000	03	*392077	S	1.996	2.996	3.001	.812	#
*370077A	S	6.000	7.875	7.881	.605	06	*395068	S	4.875	6.250	6.256	.812	#
370078A	S	4.500	6.622	6.629	1.093	03	*396412	S	8.345	10.750	10.758	1.125	#
*370082A	S	7.375	9.054	9.063	1.062	03	*396440	S	8.000	10.000	10.008	1.145	#
370086A	S	4.500	6.310	6.316	1.175	03	*396487	S	2.930	4.375	4.380	1.120	#
*370087A	S	4.000	5.248	5.254	.605	06	410000 SERIES						
370094A	S	4.125	5.375	5.381	.605	06	*410005	S	.500	1.124	1.128	.375	41
370106A	S	4.166	5.500	5.506	.605	06	*410007	S	.562	1.124	1.128	.375	41
370107A	S	4.250	6.035	6.047	.915	03	*410009	S	.625	1.124	1.128	.375	41
370109A	S	4.875	6.622	6.629	1.000	03	*410009N	N	.625	1.124	1.128	.375	41
370119A	S	5.640	7.501	7.507	.605	06	*410014	S	.500	1.250	1.254	.375	41
370120A	S	5.500	7.250	7.256	1.187	03	*410016	S	.562	1.250	1.254	.375	41
370121A	S	4.875	6.500	6.506	1.000	03	*410018	S	.625	1.250	1.254	.375	41
370124A	S	4.500	5.374	5.391	.984	07	*410019	S	.500	1.375	1.379	.406	41
*370127A	S	2.752	3.937	3.942	.565	#	*410021	S	.562	1.375	1.379	.406	41
370131A	S	4.500	5.876	5.892	.984	11	*410023	S	.625	1.375	1.379	.406	41
370132A	S	3.500	4.543	4.558	.788	07	*410025	S	.687	1.375	1.379	.406	41
370145A	S	3.125	4.174	4.188	.500	07	*410027	S	.750	1.375	1.379	.406	41
*370149A	S	6.625	8.007	8.014	.605	06	*410028	S	.750	1.499	1.503	.390	41
370150A	S	2.875	3.875	3.889	.500	07	*410032	S	.875	1.499	1.503	.390	41
*370151A	S	7.875	10.234	10.242	.605	06	*410033	S	.750	1.828	1.832	.437	41
*370154A	S	5.000	7.000	7.006	1.000	03	*410037	S	.875	1.828	1.832	.437	41
*370155A	S	2.740	3.937	3.942	.565	06	*410040	S	.968	1.828	1.832	.437	41
370165A	S	3.875	5.376	5.381	.985	03	*410041	S	1.000	1.828	1.832	.437	41
370166A	S	5.000	6.622	6.629	1.093	03	*410045	S	1.125	1.828	1.832	.437	41
370169A	S	3.500	4.751	4.757	.605	07	*410047	S	1.187	1.983	1.987	.437	41
370173A	S	4.765	6.250	6.257	1.050	01	*410049	S	1.250	1.983	1.987	.437	41
370175A	S	7.250	8.750	8.758	.605	06	*410052	S	1.187	2.062	2.066	.437	41
370178A	S	4.500	5.500	5.515	.675	07	*410053	S	1.312	2.374	2.378	.500	41
370179A	S	3.500	4.450	4.456	.843	07	*410055	S	1.375	2.374	2.378	.500	41
370181A	S	4.765	5.999	6.006	1.031	01	*410057	S	1.437	2.374	2.378	.500	41
370182A	S	4.375	5.905	5.910	1.000	08	*410059	S	1.500	2.374	2.378	.500	41
370191A	S	3.312	4.501	4.506	.605	06	*410059H	H	1.500	2.374	2.378	.500	41
370192A	S	4.500	6.441	6.447	.937	03	*410059N	N	1.500	2.374	2.378	.500	41
370195A	S	4.875	6.001	6.015	.625	07	*410060	S	1.531	2.374	2.378	.500	41
370198A	S	4.040	5.122	5.130	.945	09	*410060V	V	1.531	2.374	2.378	.500	41
370199A	V	2.359	3.938	3.952	.575	09	*410061	S	1.375	2.437	2.441	.468	41
370211A	S	2.948	4.725	4.738	.526	07	*410062	S	1.437	2.437	2.441	.468	41
370212A	V	3.539	5.277	5.291	.604	07	*410063	S	1.500	2.437	2.441	.468	41
370215A	V	5.000	7.000	7.015	1.130	#	*410064	S	1.562	2.437	2.441	.468	41
370216A	S	4.625	5.999	6.006	.890	11	*410064H	H	1.562	2.437	2.441	.468	41
370219A	S	2.250	3.372	3.377	.475	12	*410066	S	1.625	2.437	2.441	.468	41
370220A★	S	119.99	150.01	150.16	14.99	11	*410067	S	1.500	2.502	2.506	.500	41
		4.724	5.906	5.912	.590		*410067H	H	1.500	2.502	2.506	.500	41
*370223A	S	2.938	3.750	3.765	.530	#	*410069	S	1.625	2.623	2.627	.500	41
*370224A	S	4.768	6.999	7.039	.735	02	*410070	S	1.750	2.623	2.627	.500	41
370338A=	S	4.375	5.757	5.798	.600	02	*410070N	N	1.750	2.623	2.627	.500	41
370349A=	S	4.000	5.757	5.798	.600	02	*410071	S	1.875	2.623	2.627	.500	41
370352A	S	2.750	3.779	3.792	.767	08	*410071N	N	1.875	2.623	2.627	.500	41
376590A=	S	4.250	6.048	6.048	.680	04	*410074	S	1.687	2.686	2.690	.500	41
380000 SERIES							*410076	S	1.750	2.686	2.690	.500	41
380001A	T	3.500	4.842	4.847	.910	10	*410077	S	1.500	2.758	2.762	.500	41
380003A	T	4.765	6.311	6.318	1.132	10	*410080	S	1.687	2.875	2.879	.468	41
380009A	T	3.937	5.501	5.507	.937	03	*410082	S	1.875	2.875	2.879	.468	41
380022A	T	4.500	5.750	5.756	.960	10	*410082H	H	1.875	2.875	2.879	.468	41

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use = w/Metal ID * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
*410083	S	2.000	2.875	2.879	.468	41	*410169N	N	1.375	2.250	2.254	.500	41
*410083N	N	2.000	2.875	2.879	.468	41	*410171	S	1.437	2.250	2.254	.500	41
*410084	S	1.875	2.996	3.001	.500	41	*410177	S	1.250	2.106	2.110	.468	41
*410085	S	2.000	2.996	3.001	.500	41	*410179	S	1.312	2.106	2.110	.468	41
*410085H	H	2.000	2.996	3.001	.500	41	*410182	S	1.125	1.983	1.987	.437	41
*410085N	N	2.000	2.996	3.001	.500	41	*410183	S	1.750	2.750	2.754	.500	41
*410085V	V	2.000	2.996	3.001	.500	41	*410183N	N	1.750	2.750	2.754	.500	41
*410086	S	1.687	3.062	3.066	.500	41	*410185	S	1.562	2.502	2.506	.500	41
*410087	S	1.750	3.061	3.066	.500	41	*410186	S	1.687	2.750	2.754	.500	41
*410088	S	1.750	3.189	3.194	.437	41	*410187	S	1.000	2.062	2.066	.437	41
*410088N	N	1.750	3.189	3.194	.437	41	*410189	S	1.125	1.752	1.756	.437	41
*410090	S	1.812	3.189	3.194	.437	41	410190	S	1.500	2.561	2.565	.500	41
*410092	S	1.875	3.189	3.194	.437	41	*410194	S	1.625	2.502	2.506	.500	41
*410094	S	1.937	3.189	3.194	.437	41	*410194V	V	1.625	2.502	2.506	.500	41
*410095	S	2.000	3.189	3.194	.437	41	*410202	S	.562	.999	1.003	.375	41
*410097	S	2.125	3.350	3.355	.468	41	*410202N	N	.562	.999	1.003	.375	41
*410097N	N	2.125	3.350	3.355	.468	41	*410203	S	.781	1.375	1.379	.406	41
*410097V	V	2.125	3.350	3.355	.468	41	*410205	S	.687	1.499	1.503	.390	41
*410098	S	2.187	3.350	3.355	.468	41	*410211	S	.750	1.624	1.628	.437	41
*410099	S	2.250	3.350	3.355	.468	41	*410215	S	.875	1.624	1.628	.437	41
*410099N	N	2.250	3.350	3.355	.468	41	*410219	S	1.000	1.624	1.628	.437	41
*410100N	N	2.312	3.350	3.355	.468	41	*410219N	N	1.000	1.624	1.628	.437	41
*410101	S	2.375	3.350	3.355	.468	41	*410222	S	.750	1.752	1.756	.437	41
*410101N	N	2.375	3.350	3.355	.468	41	*410230	S	1.000	1.752	1.756	.437	41
*410101S	S	2.375	3.350	3.355	.468	41	*410233	S	1.000	1.874	1.878	.437	41
*410101V	V	2.375	3.350	3.355	.468	41	*410236	S	1.125	1.874	1.878	.437	41
410102	S	2.000	3.371	3.376	.468	41	*410236H	H	1.125	1.874	1.878	.437	41
*410102N	N	2.000	3.371	3.376	.468	41	*410241	S	1.125	2.062	2.066	.437	41
*410103	S	2.375	3.481	3.486	.500	41	*410244	S	1.250	2.062	2.066	.437	41
*410109	S	1.562	2.750	2.754	.500	41	*410245	S	1.250	2.125	2.129	.437	41
*410115	S	2.125	2.996	3.001	.500	41	*410247	S	1.312	2.125	2.129	.437	41
*410115N	N	2.125	2.996	3.001	.500	41	*410247N	N	1.312	2.125	2.129	.437	41
*410117	S	1.875	2.750	2.754	.500	41	*410261	S	2.062	2.996	3.001	.500	41
*410117H	H	1.875	2.750	2.754	.500	41	*410262	S	1.562	2.623	2.627	.500	41
*410117N	N	1.875	2.750	2.754	.500	41	*410265	S	1.687	2.623	2.627	.500	41
*410119	S	.500	.999	1.003	.375	41	*410265N	N	1.687	2.623	2.627	.500	41
*410120	S	1.000	1.499	1.503	.390	41	*410272	S	1.875	2.686	2.690	.500	41
*410120N	N	1.000	1.499	1.503	.390	41	*410273	S	1.562	2.758	2.762	.500	41
*410121	S	2.125	3.189	3.194	.437	41	*410283	S	1.875	2.758	2.762	.500	41
*410121V	V	2.125	3.189	3.194	.437	41	*410286	S	1.625	2.750	2.754	.500	41
*410122	S	1.437	2.623	2.627	.500	41	*410286N	N	1.625	2.750	2.754	.500	41
*410122H	H	1.437	2.623	2.627	.500	41	*410291	S	1.750	2.875	2.879	.468	41
*410129	S	1.312	2.062	2.066	.437	41	*410291N	N	1.750	2.875	2.879	.468	41
*410132	S	2.250	3.371	3.376	.468	41	*410295	S	1.937	2.875	2.879	.468	41
*410135	S	1.375	2.125	2.129	.437	41	*410295N	N	1.937	2.875	2.879	.468	41
*410135N	N	1.375	2.125	2.129	.437	41	*410298	S	1.875	3.000	3.005	.500	41
*410136	S	1.500	2.250	2.254	.500	41	*410298N	N	1.875	3.000	3.005	.500	41
*410137	S	.687	1.124	1.128	.375	41	*410300	S	1.937	3.000	3.005	.500	41
*410138	S	1.937	2.686	2.690	.500	41	*410301	S	2.000	3.000	3.005	.500	41
*410139	S	2.187	2.996	3.001	.500	41	*410301V	V	2.000	3.000	3.005	.500	41
*410141	S	.750	1.250	1.254	.375	41	*410303	S	2.125	3.000	3.005	.500	41
*410143	S	1.562	2.561	2.565	.500	41	*410303N	N	2.125	3.000	3.005	.500	41
*410144	S	1.437	2.502	2.506	.500	41	*410304	S	1.875	3.061	3.066	.500	41
*410152	S	1.187	2.125	2.129	.437	41	410308	S	2.125	3.061	3.066	.500	41
*410152N	N	1.187	2.125	2.129	.437	41	*410309	S	1.937	3.125	3.130	.500	41
*410153	S	1.375	2.106	2.110	.468	41	*410310	S	2.000	3.125	3.130	.500	41
*410154	S	1.687	2.502	2.506	.500	41	*410310H	H	2.000	3.125	3.130	.500	41
*410154N	N	1.687	2.502	2.506	.500	41	*410312	S	2.125	3.125	3.130	.500	41
*410155	S	1.750	2.758	2.762	.500	41	*410312N	N	2.125	3.125	3.130	.500	41
*410157	S	1.000	2.000	2.004	.437	41	*410314	S	2.125	3.251	3.256	.500	41
*410160	S	1.125	2.000	2.004	.437	41	*410315	S	2.187	3.251	3.256	.500	41
*410162	S	1.187	2.000	2.004	.437	41	*410315N	N	2.187	3.251	3.256	.500	41
*410162N	N	1.187	2.000	2.004	.437	41	*410316	S	2.250	3.251	3.256	.500	41
*410163	S	1.250	2.000	2.004	.437	41	*410316H	H	2.250	3.251	3.256	.500	41
*410163N	N	1.250	2.000	2.004	.437	41	*410316N	N	2.250	3.251	3.256	.500	41
*410165	S	1.250	2.250	2.254	.500	41	*410317	S	2.312	3.251	3.256	.500	41
*410167	S	1.312	2.250	2.254	.500	41	*410320	S	2.375	3.189	3.194	.437	41
*410169	S	1.375	2.250	2.254	.500	41	*410320H	H	2.375	3.189	3.194	.437	41

For Illustration and Material Data See Technical Section

Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
*410320N	N	2.375	3.189	3.194	.437	41	*410525	S	2.437	3.125	3.130	.500	41
*410322	S	2.437	3.251	3.256	.500	41	*410530	S	2.000	2.996	3.001	.375	41
*410324	S	2.437	3.371	3.376	.468	41	*410530N	N	2.000	2.996	3.001	.375	41
*410326	S	1.500	2.996	3.001	.500	41	*410536	S	.562	1.246	1.250	.375	41
*410330	S	2.500	3.371	3.376	.468	41	*410539	S	1.625	3.000	3.005	.500	41
*410330N	N	2.500	3.371	3.376	.468	41	*410539N	N	1.625	3.000	3.005	.500	41
*410336	S	1.187	2.250	2.254	.500	41	*410543	S	2.000	2.716	2.720	.468	41
*410340	S	.750	1.561	1.565	.375	41	*410551	S	2.312	3.125	3.130	.500	41
*410341	S	1.250	2.713	2.717	.468	41	*410552	S	2.375	3.125	3.130	.500	41
*410344	S	1.187	1.828	1.832	.437	41	*410552N	N	2.375	3.125	3.130	.500	41
*410350	S	2.375	3.371	3.376	.468	41	*410553	S	1.000	1.499	1.503	.312	41
*410352	S	1.750	2.502	2.506	.500	41	*410559	S	1.250	2.374	2.378	.500	41
*410354	S	2.187	3.189	3.194	.437	41	*410562	S	1.687	2.374	2.378	.500	41
*410355	S	.687	1.250	1.254	.375	41	*410565	S	2.375	3.125	3.130	.375	41
*410358	S	1.625	2.374	2.378	.500	41	*410565N	N	2.375	3.125	3.130	.375	41
*410358H	H	1.625	2.374	2.378	.500	41	*410567	S	.875	1.375	1.379	.312	41
*410358N	N	1.625	2.374	2.378	.500	41	*410571	S	2.000	3.251	3.256	.500	41
*410359	S	1.750	2.996	3.001	.500	41	*410574	S	2.375	3.251	3.256	.500	41
*410360	S	2.000	2.686	2.690	.500	41	*410574N	N	2.375	3.251	3.256	.500	41
*410361	S	1.750	2.561	2.565	.500	41	*410580	S	.750	1.575	1.579	.375	41
*410365	S	2.125	2.875	2.879	.468	41	*410596	S	1.687	2.835	2.839	.468	41
*410369	S	1.531	2.623	2.627	.500	41	*410605	S	2.500	3.371	3.376	.375	41
*410374	S	2.437	3.350	3.355	.468	41	*410610	S	.750	1.874	1.878	.437	41
*410374N	N	2.437	3.350	3.355	.468	41	*410614	S	2.250	3.251	3.256	.437	41
*410375	S	1.763	2.412	2.416	.468	41	*410614N	N	2.250	3.251	3.256	.437	41
*410381	S	1.125	1.624	1.628	.437	41	*410626	S	2.625	3.371	3.376	.468	41
*410389	S	2.000	2.750	2.754	.500	41	*410626N	N	2.625	3.371	3.376	.468	41
*410389N	N	2.000	2.750	2.754	.500	41	*410639	S	2.125	2.835	2.839	.468	41
*410394	S	1.500	2.125	2.129	.437	41	*410680	S	.875	1.499	1.503	.312	41
*410394H	H	1.500	2.125	2.129	.437	41	*410680N	N	.875	1.499	1.503	.312	41
*410394N	N	1.500	2.125	2.129	.437	41	*410681	S	2.187	3.125	3.130	.500	41
*410398	S	.875	1.374	1.379	.406	41	410686N	N	2.375	3.483	3.488	.500	41
*410403	S	1.375	2.062	2.066	.437	41	410686N	N	2.375	3.483	3.488	.500	41
*410410	S	2.000	2.623	2.627	.500	41	410694	S	2.312	3.350	3.355	.375	41
*410418	S	1.562	2.875	2.879	.468	41	410708	S	2.625	3.374	3.379	.468	41
*410421	S	1.687	2.714	2.718	.468	41	*410719	S	1.750	3.000	3.005	.500	41
*410424	S	.875	1.874	1.878	.437	41	*410720	S	1.875	3.125	3.130	.500	41
*410433	S	2.250	3.125	3.130	.500	41	410737	S	2.250	3.189	3.194	.437	41
*410438	S	1.562	2.374	2.378	.500	41	*410746	S	1.437	2.686	2.690	.500	41
*410441	S	2.250	2.996	3.001	.500	41	*410751	S	1.562	2.686	2.690	.500	41
*410441N	N	2.250	2.996	3.001	.500	41	410752	S	2.500	3.247	3.252	.500	41
*410444	S	1.375	2.502	2.506	.500	41	*410755	S	1.625	2.250	2.254	.500	41
*410444H	H	1.375	2.502	2.506	.500	41	*410765	S	1.687	2.716	2.720	.468	41
*410449	S	1.000	1.561	1.565	.375	41	*410776	S	1.375	2.686	2.690	.500	41
*410451	S	1.500	2.062	2.066	.437	41	*410781	S	.875	1.575	1.579	.375	41
*410452	S	1.375	2.835	2.839	.468	41	*410791	S	.625	1.124	1.128	.312	41
*410453	S	1.437	2.125	2.129	.437	41	410791V	V	.625	1.124	1.128	.312	41
*410453N	N	1.437	2.125	2.129	.437	41	*410795	S	1.625	2.441	2.445	.500	41
*410453V	V	1.437	2.125	2.129	.437	41	*410803	S	1.562	2.716	2.720	.468	41
*410456	S	1.375	2.716	2.720	.468	41	*410806	S	1.250	2.835	2.839	.468	41
*410460	S	1.687	2.561	2.565	.500	41	*410808	S	1.437	2.750	2.754	.500	41
*410461	S	1.500	2.750	2.754	.500	41	*410814	S	1.500	2.441	2.445	.500	41
*410463	S	1.375	2.750	2.754	.500	41	*410818	S	1.000	1.575	1.579	.375	41
*410467	S	1.625	3.251	3.256	.500	41	410825	S	2.375	3.623	3.628	.375	41
*410479	S	1.687	2.437	2.441	.468	41	*410867	S	2.125	2.875	2.879	.437	41
*410481	S	1.250	2.437	2.441	.468	41	410867N	N	2.125	2.875	2.879	.437	41
*410487	S	1.500	2.686	2.690	.500	41	*410867V	V	2.125	2.875	2.879	.437	41
*410489	S	2.187	2.875	2.879	.468	41	*410895	S	.750	1.375	1.379	.312	41
410496	S	2.500	3.350	3.355	.468	41	*410929	S	1.750	2.374	2.378	.500	41
*410503	S	1.312	2.437	2.441	.468	41	*410930	S	1.437	2.000	2.004	.437	41
*410504	S	1.375	2.623	2.627	.500	41	*410930N	N	1.437	2.000	2.004	.437	41
410519	S	2.500	3.251	3.256	.500	41	*410965	S	1.937	3.350	3.355	.468	41
410520	S	2.250	3.000	3.005	.500	41	*410966	S	2.000	2.875	2.879	.500	41
*410520N	N	2.250	3.000	3.005	.500	41	*410972	S	2.125	3.371	3.376	.468	41
*410521	S	1.312	1.874	1.878	.437	41	410972N	N	2.125	3.371	3.376	.468	41
*410522	S	1.375	2.000	2.004	.437	41	*410975	S	.625	1.499	1.503	.390	41
*410523	S	1.500	2.875	2.879	.468	41	*410984	S	1.500	2.716	2.720	.468	41
410524	S	1.875	3.371	3.376	.468	41	410987	S	2.375	3.481	3.486	.437	41

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
*410988	S	2.375	3.061	3.066	.500	41	*411662	S	1.000	1.624	1.628	.312	41
*410988N	N	2.375	3.061	3.066	.500	41	*411698	S	.750	1.752	1.756	.312	41
*410989	S	1.375	3.000	3.005	.500	41	*411700	S	.875	1.752	1.756	.312	41
*411000	S	1.375	2.250	2.254	.375	41	*411703	S	1.000	1.752	1.756	.312	41
*411016	S	1.562	2.125	2.129	.437	41	*411703N	N	1.000	1.752	1.756	.312	41
*411024	S	.625	1.624	1.628	.437	41	*411706	S	1.125	1.752	1.756	.312	41
*411030	S	1.750	2.717	2.721	.468	41	*411709	S	1.250	1.752	1.756	.312	41
*411060	S	1.125	2.125	2.129	.437	41	*411709V	V	1.250	1.752	1.756	.312	41
*411078	S	1.875	3.251	3.256	.500	41	*411842	S	1.250	2.502	2.506	.500	41
*411084	S	1.562	2.250	2.254	.500	41	*411847	S	1.375	2.561	2.565	.500	41
*411091	S	2.000	3.062	3.066	.500	41	*411854	S	1.937	2.561	2.565	.500	41
*411100	S	1.125	1.624	1.628	.312	41	*411857	S	1.500	2.623	2.627	.500	41
*411100N	N	1.125	1.624	1.628	.312	41	*411857N	N	1.500	2.623	2.627	.500	41
*411105	S	1.375	2.875	2.879	.468	41	*411883	S	2.000	2.686	2.690	.437	41
*411138	S	2.250	3.125	3.130	.375	41	*411883H	H	2.000	2.686	2.690	.437	41
*411143N	N	2.625	3.251	3.256	.437	41	*411923N	N	1.625	2.875	2.879	.437	41
*411160	S	2.312	3.000	3.005	.500	41	*411936	S	1.875	2.875	2.879	.437	41
*411160N	N	2.312	3.000	3.005	.500	41	*411936N	N	1.875	2.875	2.879	.437	41
*411160V	V	2.312	3.000	3.005	.500	41	*411937	S	1.937	2.750	2.754	.500	41
*411178	S	2.375	3.112	3.117	.500	41	*411940	S	1.937	2.875	2.879	.437	41
*411234	S	2.250	3.061	3.066	.500	41	*411943	S	2.000	2.835	2.839	.468	41
*411234N	N	2.250	3.061	3.066	.500	41	*411944	S	2.000	2.875	2.879	.437	41
411245	S	2.437	3.500	3.505	.375	41	*411949	S	2.125	2.750	2.754	.500	41
*411246	S	1.250	1.874	1.878	.437	41	*411949H	H	2.125	2.750	2.754	.500	41
411253	S	2.250	3.350	3.355	.375	41	*411949N	N	2.125	2.750	2.754	.500	41
*411268	S	1.375	2.000	2.004	.375	41	*411952	S	2.187	2.835	2.839	.468	41
*411268N	N	1.375	2.000	2.004	.375	41	*411953	S	2.187	2.875	2.879	.437	41
*411271	S	2.500	3.251	3.256	.375	41	*411953N	N	2.187	2.875	2.879	.437	41
*411272	S	2.250	3.000	3.005	.375	41	*411962	S	1.562	2.996	3.001	.500	41
411275	V	3.250	4.249	4.254	.468	41	*411978N	N	1.625	3.125	3.130	.500	41
*411275H	H	3.250	4.249	4.254	.468	41	*411983	S	1.750	2.996	3.001	.437	41
*411275N	N	3.250	4.249	4.254	.468	41	*412008	S	2.000	2.996	3.001	.437	41
*411294	S	.500	1.124	1.128	.312	41	*412012	S	2.062	3.000	3.005	.375	41
*411297	S	.687	1.125	1.129	.312	41	412015V	V	2.125	3.000	3.005	.375	41
*411302	S	1.375	2.374	2.378	.437	41	*412016	S	2.125	3.125	3.130	.375	41
*411316H	H	1.562	2.686	2.690	.375	41	*412016N	N	2.125	3.125	3.130	.375	41
*411324	S	.625	1.375	1.379	.312	41	*412017	S	2.187	2.996	3.001	.437	41
411330	S	2.598	3.481	3.486	.500	41	*412018	S	2.187	3.000	3.005	.375	41
411330N	N	2.598	3.481	3.486	.500	41	*412019	S	2.187	3.062	3.066	.500	41
*411337	S	.781	1.752	1.756	.312	41	*412020	S	2.187	3.125	3.130	.375	41
*411338	S	2.187	3.000	3.005	.500	41	*412022	S	1.875	3.251	3.256	.437	41
*411341	S	2.250	2.996	3.001	.437	41	412027	S	2.000	3.251	3.256	.437	41
*411341N	N	2.250	2.996	3.001	.437	41	412028	S	2.000	3.350	3.355	.468	41
411348	S	2.812	4.249	4.254	.468	41	*412032	S	2.125	3.251	3.256	.437	41
*411352	S	1.312	2.000	2.004	.437	41	*412035	S	2.187	3.371	3.376	.468	41
411376	S	2.250	3.500	3.505	.375	41	*412038	S	2.375	3.251	3.256	.437	41
*411385	S	.750	1.983	1.987	.437	41	412038N	N	2.375	3.251	3.256	.437	41
411394	S	2.312	3.251	3.256	.375	41	412040	S	2.437	3.251	3.256	.437	41
*411414	S	3.375	4.376	4.381	.562	41	412119	S	2.375	3.350	3.355	.375	41
*411414N	N	3.375	4.376	4.381	.562	41	412473	S	3.375	4.376	4.381	.375	41
*411429N	N	2.000	2.880	2.884	.500	41	*412572	S	1.875	2.750	2.754	.312	41
*411452	S	2.250	2.987	2.991	.500	41	*412691	S	1.375	2.374	2.378	.750	41
*411456	S	1.187	1.874	1.878	.437	41	412725	S	2.000	3.150	3.155	.375	41
*411463	S	1.875	2.835	2.839	.468	41	412798N	N	2.062	3.000	3.005	.437	41
*411475	S	2.625	3.543	3.548	.500	41	412861	S	2.375	3.543	3.548	.375	41
*411475N	N	2.625	3.543	3.548	.500	41	412871	S	2.625	3.350	3.355	.375	41
411500	S	2.437	3.350	3.355	.375	41	412920	S	2.250	3.371	3.376	.375	41
*411509H	H	2.500	3.250	3.256	.437	41	412920V	V	2.250	3.371	3.376	.375	41
*411509N	N	2.500	3.250	3.256	.437	41	412943	S	2.187	3.350	3.355	.375	41
*411509V	V	2.500	3.250	3.256	.437	41	*413244	S	2.187	2.875	2.879	.375	41
*411531	S	.562	1.124	1.128	.312	41	*413244N	N	2.187	2.875	2.879	.375	41
*411557	S	.562	1.375	1.379	.312	41	*413245	S	2.187	3.251	3.256	.375	41
*411577	S	.625	1.499	1.503	.312	41	413246	S	2.375	3.251	3.256	.375	41
*411580	S	.750	1.499	1.503	.312	41	413246N	N	2.375	3.251	3.255	.375	41
*411582	S	.937	1.499	1.504	.312	41	413247	S	2.375	3.371	3.376	.375	41
*411653	S	.625	1.624	1.628	.312	41	413248	S	2.625	3.371	3.376	.375	41
*411656	S	.750	1.624	1.628	.312	41	*413293	S	1.187	2.125	2.129	.375	41
*411659	S	.875	1.624	1.628	.312	41	*413293N	N	1.187	2.125	2.129	.375	41

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
*413310	S	1.609	2.750	2.754	.500	41	*415036N	N	4.000	5.500	5.506	.562	41
413469	S	2.125	3.350	3.355	.375	41	*415039	S	4.187	5.501	5.506	.562	41
413470	S	2.125	3.371	3.376	.375	41	*415039N	N	4.187	5.501	5.506	.562	41
413470V	V	2.125	3.371	3.376	.375	41	*415040	S	4.250	5.501	5.506	.562	41
413472	S	2.187	3.371	3.376	.375	41	*415040N	N	4.250	5.501	5.506	.562	41
*413477	S	2.437	3.251	3.256	.375	41	415041	S	4.000	5.751	5.756	.562	41
413478	S	2.437	3.371	3.376	.375	41	*415041N	N	4.000	5.751	5.756	.562	41
413479	S	2.562	3.481	3.486	.375	41	415043	S	4.125	5.751	5.756	.562	41
*413638	S	1.375	3.543	3.548	.500	41	*415044	S	4.187	5.751	5.756	.562	41
*413697N	N	1.343	2.106	2.110	.312	41	415045	S	4.250	5.751	5.756	.562	41
*413799	S	1.625	2.087	2.091	.275	41	415047	S	4.375	5.751	5.756	.562	41
413818★	S	50.00	70.00	70.10	7.00	41	*415049	S	4.500	5.751	5.756	.562	41
		1.969	2.756	2.760	.276		*415052	S	8.000	10.125	10.133	.750	41
414045	S	1.875	2.782	2.786	.500	41	*415053	S	4.750	5.751	5.756	.562	41
*414072★	S	62.00	85.00	85.13	8.00	41	*415053H	H	4.750	5.751	5.756	.562	41
		2.441	3.346	3.352	.315		*415053N	N	4.750	5.751	5.756	.562	41
414268	S	1.625	3.000	3.004	.312	41	*415053V	V	4.750	5.751	5.756	.562	41
415001	S	2.500	3.543	3.548	.500	41	*415054	S	4.000	6.250	6.256	.562	41
415001N	N	2.500	3.543	3.548	.500	41	415058	S	4.250	6.250	6.256	.562	41
*415002	S	2.562	3.623	3.628	.468	41	415060	S	4.375	6.250	6.256	.562	41
*415002H	H	2.562	3.623	3.628	.468	41							
415003	S	2.625	3.623	3.628	.468	41	*415062	S	4.500	6.250	6.256	.562	41
*415003N	N	2.625	3.623	3.628	.468	41	*415062H	H	4.500	6.250	6.256	.562	41
*415003V	V	2.625	3.623	3.628	.468	41	415064	S	4.625	6.250	6.256	.562	41
415004	S	2.750	3.751	3.756	.500	41	415066	S	4.750	6.250	6.256	.562	41
*415004H	H	2.750	3.751	3.756	.500	41	*415068	S	4.875	6.250	6.256	.562	41
*415004N	N	2.750	3.751	3.756	.500	41	*415068N	N	4.875	6.250	6.256	.562	41
*415004V	V	2.750	3.751	3.756	.500	41	*415070	S	5.000	6.250	6.256	.562	41
*415006	S	2.875	3.751	3.756	.500	41	*415070N	N	5.000	6.250	6.256	.562	41
*415006N	N	2.875	3.751	3.756	.500	41	*415070V	V	5.000	6.250	6.256	.562	41
*415006V	V	2.875	3.751	3.756	.500	41	*415071	S	5.125	6.374	6.382	.625	41
415007	S	2.625	3.876	3.881	.468	41	415072	S	6.000	7.500	7.508	.562	41
415009	S	2.750	3.876	3.881	.468	41	*415072H	H	6.000	7.500	7.508	.562	41
415009N	N	2.750	3.876	3.881	.468	41	*415072V	V	6.000	7.500	7.508	.562	41
*415011	S	2.875	4.003	4.008	.468	41	*415073	S	5.500	6.749	6.756	.625	41
*415011H	H	2.875	4.003	4.008	.468	41	*415073H	H	5.500	6.749	6.756	.625	41
*415011N	N	2.875	4.003	4.008	.468	41	*415073N	N	5.500	6.749	6.756	.625	41
*415012	S	2.937	4.003	4.008	.468	41	*415073V	V	5.500	6.749	6.756	.625	41
*415012N	N	2.937	4.003	4.008	.468	41	415074	S	6.125	7.500	7.508	.562	41
*415012V	V	2.937	4.003	4.008	.468	41	*415074H	H	6.125	7.500	7.508	.562	41
415013	S	3.000	4.003	4.008	.468	41	*415074N	N	6.125	7.500	7.508	.562	41
415013N	N	3.000	4.003	4.008	.468	41							
*415013V	V	3.000	4.003	4.008	.468	41	*415075	S	5.875	7.125	7.133	.625	41
*415014	S	3.000	4.249	4.254	.625	41	*415075N	N	5.875	7.125	7.133	.625	41
*415014N	N	3.000	4.249	4.254	.625	41	415076	S	11.500	13.500	13.508	.750	41
*415016	S	3.125	4.249	4.254	.625	41	*415076V	V	11.500	13.500	13.508	.750	41
415016N	N	3.125	4.249	4.254	.625	41	415077	S	11.500	13.000	13.010	.750	41
*415018	S	3.250	4.249	4.254	.625	41	*415079	S	2.500	3.751	3.756	.500	41
*415018N	N	3.250	4.249	4.254	.625	41	*415080	S	2.125	3.623	3.628	.468	41
*415019	S	3.000	4.999	5.004	.468	41	415082	S	2.500	3.876	3.881	.468	41
415021	S	3.125	4.999	5.004	.468	41	*415082N	N	2.500	3.876	3.881	.468	41
415023	S	3.250	4.999	5.004	.468	41	*415084	S	7.000	8.500	8.509	.750	41
415025	S	3.375	4.999	5.004	.468	41	*415084N	N	7.000	8.500	8.509	.750	41
*415025N	N	3.375	4.999	5.004	.468	41	415085	S	3.312	4.499	4.504	.468	41
415027	S	3.500	4.999	5.004	.468	41	*415086	S	3.000	4.249	4.254	.468	41
415027H	H	3.500	4.999	5.004	.468	41	*415086N	N	3.000	4.249	4.254	.468	41
415027N	N	3.500	4.999	5.004	.468	41	*415086V	V	3.000	4.249	4.254	.468	41
*415029	S	3.625	4.999	5.004	.468	41	415088	S	3.000	4.499	4.504	.468	41
*415031	S	3.750	4.999	5.004	.468	41	*415088N	N	3.000	4.499	4.504	.468	41
*415031H	H	3.750	4.999	5.004	.468	41	415090	S	9.000	11.000	11.008	.750	41
*415031N	N	3.750	4.999	5.004	.468	41	*415091	S	4.875	5.999	6.007	.625	41
*415033	S	3.875	4.999	5.004	.468	41	*415092	S	6.750	8.250	8.257	.750	41
*415033N	N	3.875	4.999	5.004	.468	41	*415093	S	2.250	3.500	3.505	.500	41
415034	S	3.937	4.999	5.004	.468	41	*415093N	N	2.250	3.500	3.505	.500	41
415035	S	4.000	4.999	5.004	.468	41	*415094	S	2.312	3.500	3.505	.500	41
*415035N	N	4.000	4.999	5.004	.468	41	*415095	S	2.375	3.500	3.505	.500	41
415035V	V	4.000	4.999	5.004	.468	41	*415095N	N	2.375	3.500	3.505	.500	41
415036	S	4.000	5.501	5.506	.562	41	*415096	S	2.437	3.500	3.505	.500	41
							*415096N	N	2.437	3.500	3.505	.500	41
							*415098	S	2.562	3.500	3.505	.500	41

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
415098N	N	2.562	3.500	3.505	.500	41	*415192	S	4.000	5.251	5.256	.468	41
*415101	S	2.750	4.249	4.254	.625	41	415192N	N	4.000	5.251	5.256	.468	41
*415104	S	5.250	6.499	6.507	.625	41	*415195	S	4.250	5.251	5.256	.468	41
*415104H	H	5.250	6.499	6.507	.625	41	*415195N	N	4.250	5.251	5.256	.468	41
*415104N	N	5.250	6.499	6.507	.625	41	415196	S	4.250	5.376	5.381	.500	41
*415105	S	5.375	6.624	6.632	.625	41	*415196H	H	4.250	5.376	5.381	.500	41
*415105V	V	5.375	6.624	6.632	.625	41	*415196N	N	4.250	5.376	5.381	.500	41
*415110	S	6.375	7.875	7.881	.750	41	*415198	S	4.375	5.501	5.506	.562	41
*415111	S	6.500	8.000	8.009	.750	41	*415198H	H	4.375	5.501	5.506	.562	41
*415115	S	7.125	8.625	8.634	.750	41	*415200	S	4.500	5.501	5.506	.562	41
*415115N	N	7.125	8.625	8.634	.750	41	*415200N	N	4.500	5.501	5.506	.562	41
415116	S	7.250	8.750	8.759	.750	41	*415200V	V	4.500	5.501	5.506	.562	41
*415120	S	7.750	9.250	9.258	.750	41	*415201	S	4.000	5.999	6.007	.625	41
*415122	S	8.000	10.000	10.008	.750	41	*415205	S	4.250	5.999	6.007	.625	41
415124	S	8.250	10.250	10.260	.750	41	*415207	S	4.375	5.999	6.007	.625	41
415128	S	8.750	10.750	10.758	.750	41	*415209	S	4.500	5.999	6.007	.625	41
*415130	S	1.937	3.543	3.548	.500	41	*415209N	N	4.500	5.999	6.007	.625	41
*415134	S	4.125	4.999	5.004	.468	41	*415211	S	4.625	6.001	6.007	.625	41
*415134N	N	4.125	4.999	5.004	.468	41	*415213	S	4.750	5.999	6.007	.625	41
*415137	S	3.250	4.499	4.504	.468	41	415213N	N	4.750	5.999	6.007	.625	41
415138	S	4.750	5.750	5.756	.500	41	415219	S	9.250	11.250	11.260	.750	41
*415138H	H	4.750	5.750	5.756	.500	41	*415219N	N	9.250	11.250	11.260	.750	41
*415138N	N	4.750	5.750	5.756	.500	41	415227	S	10.500	12.500	12.508	1.000	41
*415140	S	5.375	6.749	6.757	.625	41	*415227V	V	10.500	12.500	12.508	1.000	41
415142	S	4.125	5.251	5.256	.468	41	415234	S	2.250	3.623	3.628	.468	41
*415144	S	2.875	4.499	4.504	.468	41	*415244	S	2.562	3.751	3.756	.500	41
*415145	S	3.125	4.499	4.504	.468	41	*415244N	N	2.562	3.751	3.756	.500	41
*415145N	N	3.125	4.499	4.504	.468	41	*415245	S	3.125	4.751	4.756	.625	41
*415145V	V	3.125	4.499	4.504	.468	41	*415245N	N	3.125	4.751	4.756	.625	41
415146	S	3.500	4.499	4.504	.468	41	*415248	S	2.375	3.543	3.548	.500	41
*415146N	N	3.500	4.499	4.504	.468	41	415248N	N	2.375	3.543	3.548	.500	41
415147	S	2.500	3.500	3.505	.500	41	415254	S	2.250	4.003	4.008	.468	41
415147N	N	2.500	3.500	3.505	.500	41	415259	S	2.250	3.751	3.756	.500	41
*415148	S	3.875	5.251	5.256	.468	41	*415262	S	3.500	5.501	5.506	.562	41
*415149	S	2.625	3.751	3.756	.500	41	415263	S	3.937	5.376	5.381	.500	41
*415149V	V	2.625	3.751	3.756	.500	41	*415265	S	3.250	4.751	4.756	.625	41
415150	S	3.750	5.251	5.256	.468	41	*415265N	N	3.250	4.751	4.756	.625	41
*415152	S	2.875	4.125	4.130	.562	41	*415269	S	3.687	5.501	5.506	.562	41
*415154	S	3.000	4.125	4.130	.562	41	*415270	S	10.000	11.000	11.010	.750	41
*415156	S	3.125	4.125	4.130	.562	41	*415271	S	5.000	5.999	6.007	.625	41
*415156H	H	3.125	4.125	4.130	.562	41	*415271H	H	5.000	5.999	6.007	.625	41
415156N	N	3.125	4.125	4.130	.562	41	*415271N	N	5.000	5.999	6.007	.625	41
*415158	S	3.000	4.376	4.381	.625	41	*415272	S	2.750	4.003	4.008	.468	41
*415158N	N	3.000	4.376	4.381	.625	41	415272N	N	2.750	4.003	4.008	.468	41
*415160	S	3.125	4.376	4.381	.625	41	*415273	S	5.500	6.499	6.507	.625	41
*415162	S	3.250	4.376	4.381	.625	41	*415273N	N	5.500	6.499	6.507	.625	41
*415164	S	3.375	4.376	4.381	.625	41	*415281	S	3.000	3.751	3.756	.500	41
415164N	N	3.375	4.376	4.381	.625	41	415281N	N	3.000	3.751	3.756	.500	41
*415165	S	3.375	4.499	4.504	.468	41	*415281V	V	3.000	3.751	3.756	.500	41
*415165H	H	3.375	4.499	4.504	.468	41	415284	S	4.687	5.751	5.756	.500	41
415170	S	3.500	4.626	4.631	.625	41	415294	S	6.500	7.500	7.508	.562	41
*415172	S	3.625	4.626	4.631	.625	41	*415294N	N	6.500	7.500	7.508	.562	41
*415172N	N	3.625	4.626	4.631	.625	41	415295	S	4.187	4.999	5.004	.468	41
*415172V	V	3.625	4.626	4.631	.625	41	*415295H	H	4.187	4.999	5.004	.468	41
*415173	S	3.500	4.751	4.756	.625	41	*415296	S	2.625	4.003	4.008	.468	41
*415173N	N	3.500	4.751	4.756	.625	41	*415296N	N	2.625	4.003	4.008	.468	41
*415175	S	3.625	4.751	4.756	.625	41	*415299	S	8.000	9.250	9.260	.750	41
*415177	S	3.750	4.751	4.756	.625	41	*415300	S	8.000	9.500	9.510	.750	41
*415179	S	3.875	4.751	4.756	.625	41	*415300N	N	8.000	9.500	9.510	.750	41
*415181	S	3.625	4.876	4.881	.625	41	415302	S	2.562	3.500	3.505	.375	41
*415183	S	3.750	4.876	4.881	.625	41	415303	S	2.875	3.623	3.628	.375	41
*415185	S	3.875	4.876	4.881	.625	41	415304	S	3.250	4.249	4.254	.500	41
*415185H	H	3.875	4.876	4.881	.625	41	*415304N	N	3.250	4.249	4.254	.500	41
*415185N	N	3.875	4.876	4.881	.625	41	*415304V	V	3.250	4.249	4.254	.500	41
*415186★	S	100.00	123.85	124.00	15.88	41	*415308	S	1.500	3.543	3.548	.500	41
415187	S	4.000	4.876	4.881	.625	41	*415312	S	5.000	6.374	6.382	.625	41
*415188	S	4.000	5.126	5.131	.625	41	*415315	S	2.750	3.623	3.628	.468	41
							*415315N	N	2.750	3.623	3.628	.468	41

For Illustration and Material Data See Technical Section
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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
415317	S	7.375	9.000	9.010	.750	41	*415479	S	3.000	3.876	3.881	.468	41
*415319	S	3.500	5.126	5.131	.625	41	*415479N	N	3.000	3.876	3.881	.468	41
*415319N	N	3.500	5.126	5.131	.625	41	*415480	S	6.250	7.500	7.508	.562	41
415322	S	2.750	3.543	3.548	.500	41	415482	S	11.000	13.000	13.010	.750	41
*415322N	N	2.750	3.543	3.548	.500	41	415483	S	2.625	3.500	3.505	.375	41
415322V	V	2.750	3.543	3.548	.500	41	*415487	S	5.625	6.625	6.631	.625	41
415327	S	6.750	8.000	8.009	.625	41	*415487N	N	5.625	6.625	6.631	.625	41
*415327H	H	6.750	8.000	8.009	.625	41	*415489	S	8.500	10.000	10.010	.750	41
*415327N	N	6.750	8.000	8.009	.625	41	*415489V	V	8.500	10.000	10.010	.750	41
*415328	S	3.250	5.251	5.256	.468	41	*415495	S	5.125	6.499	6.507	.625	41
*415330	S	6.125	7.125	7.133	.625	41	415498	S	3.562	4.499	4.504	.468	41
*415342	S	4.500	5.876	5.881	.625	41	*415513	S	4.000	5.626	5.631	.500	41
*415345N	N	2.500	3.500	3.505	.375	41	*415517	S	7.000	8.000	8.009	.750	41
*415345V	V	2.500	3.500	3.505	.375	41	*415526N	N	3.000	3.876	3.881	.500	41
*415347	S	2.937	3.876	3.881	.468	41	*415547	S	3.875	5.126	5.131	.625	41
*415347N	N	2.937	3.876	3.881	.468	41	415551	S	7.500	9.000	9.010	.750	41
415349	S	2.125	3.543	3.548	.500	41	*415551N	N	7.500	9.000	9.010	.750	41
*415349N	N	2.125	3.543	3.548	.500	41	415551V	V	7.500	9.000	9.010	.750	41
*415349V	V	2.125	3.543	3.548	.500	41	415559	S	3.500	5.251	5.256	.468	41
415350	S	2.187	3.623	3.628	.468	41	415563	S	3.250	4.003	4.008	.468	41
415351	S	4.500	6.250	6.256	.500	41	*415563N	N	3.250	4.003	4.008	.468	41
*415352	S	9.125	10.377	10.384	.625	41	*415566	S	3.250	4.125	4.130	.562	41
*415354	S	3.125	4.003	4.008	.468	41	*415566N	N	3.250	4.125	4.130	.562	41
*415354N	N	3.125	4.003	4.008	.468	41	*415566V	V	3.250	4.125	4.130	.562	41
*415355	S	2.875	3.876	3.881	.468	41	*415573	S	4.375	6.127	6.132	.625	41
*415355N	N	2.875	3.876	3.881	.468	41	415577	S	3.250	4.723	4.729	.468	41
*415356	S	2.937	4.499	4.504	.468	41	*415577N	N	3.250	4.723	4.729	.468	41
*415356N	N	2.937	4.499	4.504	.468	41	415610	S	5.500	7.000	7.007	.625	41
*415356V	V	2.937	4.499	4.504	.468	41	*415613	S	3.375	4.249	4.254	.625	41
*415363	S	5.750	6.749	6.756	.625	41	415627	S	2.000	3.500	3.505	.500	41
*415363H	H	5.750	6.749	6.756	.625	41	*415634	S	4.625	5.751	5.756	.500	41
*415364	S	2.750	3.500	3.505	.500	41	*415636	S	2.187	3.500	3.505	.500	41
*415364H	H	2.750	3.500	3.505	.500	41	415645	S	5.250	6.500	6.507	.562	41
*415368	S	2.625	3.500	3.505	.500	41	*415648	S	13.000	15.000	15.008	.750	41
*415368N	N	2.625	3.500	3.505	.500	41	*415655	S	2.500	4.003	4.008	.468	41
*415369	S	2.500	3.623	3.628	.468	41	415656	S	8.000	9.000	9.010	.750	41
*415369H	H	2.500	3.623	3.628	.468	41	*415659	S	2.125	3.500	3.505	.500	41
*415369N	N	2.500	3.623	3.628	.468	41	415683	S	6.000	7.000	7.007	.500	41
415371	S	4.625	5.751	5.756	.562	41	415697	S	3.875	5.125	5.131	.500	41
*415371N	N	4.625	5.751	5.756	.562	41	415711	S	3.562	4.625	4.631	.500	41
*415377	S	5.000	6.499	6.507	.625	41	*415712	S	4.250	5.251	5.256	.625	41
415379	S	3.750	4.751	4.756	.500	41	415725	S	5.000	6.001	6.007	.500	41
*415379H	H	3.750	4.751	4.756	.500	41	*415725N	N	5.000	6.001	6.007	.500	41
*415379N	N	3.750	4.751	4.756	.500	41	*415733	S	2.750	3.751	3.756	.437	41
415379V	V	3.750	4.751	4.756	.500	41	415832	S	3.625	5.375	5.381	.500	41
*415380N	N	2.375	3.623	3.628	.468	41	415836	S	3.000	4.003	4.008	.437	41
415389	S	3.625	4.499	4.504	.468	41	415836V	V	3.000	4.003	4.008	.437	41
415389N	N	3.625	4.499	4.504	.468	41	415836N	N	3.000	4.003	4.008	.437	41
415394	S	3.125	5.251	5.256	.468	41	*415852	S	3.750	5.751	5.756	.562	41
*415396	S	3.500	5.751	5.756	.562	41	415854	S	6.250	7.875	7.881	.750	41
*415423	S	3.750	5.501	5.506	.562	41	415857	S	2.375	3.601	3.606	.437	41
415425	S	4.375	5.376	5.381	.500	41	*415859	S	7.117	8.126	8.134	.750	41
*415425V	V	4.375	5.376	5.381	.500	41	415867	S	7.500	8.500	8.509	.625	41
415436	S	3.625	5.751	5.756	.562	41	415871	S	9.375	11.375	11.385	.750	41
415437	S	3.500	4.751	4.756	.500	41	*415871H	H	9.375	11.375	11.385	.750	41
415442	S	3.375	4.125	4.130	.375	41	415876	S	7.000	9.313	9.321	.625	41
415447	S	5.750	6.624	6.632	.625	41	415876V	V	7.000	9.313	9.321	.625	41
415449	S	2.500	3.500	3.505	.375	41	415894	S	3.375	4.376	4.381	.500	41
415449A	A	2.500	3.500	3.505	.375	41	415897	S	5.000	6.877	6.884	.625	41
*415449N	N	2.500	3.500	3.505	.375	41	*415897N	N	5.000	6.877	6.884	.625	41
415449V	V	2.500	3.500	3.505	.375	41	*415899	S	3.500	4.375	4.381	.562	41
415458	S	2.625	3.623	3.628	.375	41	415899N	N	3.500	4.375	4.381	.562	41
415458A	A	2.625	3.623	3.628	.375	41	*415913	S	6.500	7.382	7.392	.622	41
415458V	V	2.625	3.623	3.628	.375	41	*415913N	N	6.500	7.382	7.392	.622	41
*415460	S	5.000	7.500	7.507	.562	41	*415920	S	5.625	6.625	6.631	.500	41
*415460N	N	5.000	7.500	7.507	.562	41	*415927	S	7.125	8.007	8.017	.625	41
*415461	S	5.375	6.499	6.507	.625	41	415937	S	3.625	4.751	4.756	.500	41
*415461N	N	5.375	6.499	6.507	.625	41	415938	S	5.375	6.624	6.632	.562	41

For Illustration and Material Data See Technical Section
* Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
415953	S	4.000	4.999	5.004	.500	41	416158	S	4.625	5.999	6.007	.500	41
*415953H	H	4.000	4.999	5.004	.500	41	416163	S	4.812	5.999	6.007	.500	41
*415953N	N	4.000	4.999	5.004	.500	41	416167	S	4.875	5.999	6.007	.500	41
415953V	V	4.000	4.999	5.004	.500	41	*416167N	N	4.875	5.999	6.007	.500	41
415958	S	3.875	5.376	5.381	.500	41	*416172	S	5.125	6.125	6.131	.562	41
415960	S	2.750	3.876	3.881	.375	41	*416173	S	5.125	6.250	6.256	.562	41
415962	S	3.000	4.331	4.336	.500	41	*416173N	N	5.125	6.250	6.256	.562	41
*415963N	N	3.750	4.751	4.756	.484	41	*416176	S	5.000	7.000	7.008	.625	41
*415963V	V	3.750	4.751	4.756	.484	41	*416189	S	5.500	6.624	6.631	.625	41
*415970	S	4.625	6.125	6.131	.562	41	*416190	S	5.500	6.874	6.882	.625	41
*415970H	H	4.625	6.125	6.131	.562	41	416191	S	5.500	7.125	7.133	.625	41
*415971	S	2.375	3.500	3.505	.703	41	*416195	S	5.500	8.000	8.009	.625	41
*415971H	H	2.375	3.500	3.505	.703	41	*416196	S	5.500	8.000	8.009	.750	41
*415972	S	2.562	3.624	3.629	.703	41	*416214	S	5.750	6.874	6.882	.625	41
415983	S	3.750	4.499	4.506	.468	41	*416215	S	5.750	7.125	7.133	.625	41
415983N	N	3.750	4.499	4.506	.468	41	*416219	S	6.000	7.125	7.133	.625	41
415983V	V	3.750	4.499	4.506	.468	41	*416219H	H	6.000	7.125	7.133	.625	41
415984	S	2.750	3.623	3.628	.375	41	*416219N	N	6.000	7.125	7.133	.625	41
415988	S	2.562	3.623	3.628	.375	41	416229	S	6.500	8.000	8.009	.625	41
415991	S	3.500	4.501	4.506	.468	41	*416229N	N	6.500	8.000	8.009	.625	41
415991N	N	3.500	4.501	4.506	.468	41	*416232	S	6.000	8.500	8.509	.625	41
415991V	V	3.500	4.501	4.506	.468	41	416239	S	7.000	8.500	8.509	.625	41
415995	S	3.000	4.003	4.008	.375	41	416257	S	9.250	11.000	11.008	.750	41
415995A	A	3.000	4.003	4.008	.375	41	*416257H	H	9.250	11.000	11.008	.750	41
*415995N	N	3.000	4.003	4.008	.375	41	416267	S	2.125	3.500	3.505	.375	41
415995V	V	3.000	4.003	4.008	.375	41	416268	S	2.187	3.500	3.505	.375	41
416008	S	6.750	8.500	8.509	.625	41	*416269	S	2.187	3.543	3.548	.500	41
416011	S	3.125	4.125	4.130	.500	41	416270	S	2.250	3.543	3.548	.500	41
*416011V	V	3.125	4.125	4.130	.500	41	416271	S	2.375	3.500	3.505	.375	41
416024	S	3.125	4.751	4.756	.500	41	416271A	A	2.375	3.500	3.505	.375	41
*416026	S	3.000	4.249	4.254	.500	41	*416271N	N	2.375	3.500	3.505	.375	41
416029	S	5.750	7.874	7.881	.750	41	416273	S	2.500	3.623	3.628	.375	41
416029N	N	5.750	7.874	7.881	.750	41	416273V	V	2.500	3.623	3.628	.375	41
*416037	S	3.908	4.875	4.881	.500	41	*416275	S	2.875	3.623	3.628	.468	41
416039	S	5.750	7.500	7.508	.562	41	*416275N	N	2.875	3.623	3.628	.468	41
416041	S	3.750	4.626	4.632	.500	41	416278	S	2.625	4.249	4.254	.468	41
416043	S	3.875	5.751	5.756	.562	41	416282	S	2.750	4.249	4.254	.468	41
416044	S	7.250	8.250	8.257	.625	41	*416283	S	2.750	4.249	4.254	.500	41
416047	S	3.625	4.625	4.631	.500	41	416285	S	2.875	4.249	4.254	.500	41
*416049N	N	5.125	6.874	6.882	.625	41	*416286	S	2.875	4.249	4.254	.625	41
*416055	S	6.000	7.000	7.008	.625	41	*416287	S	3.125	4.249	4.254	.468	41
*416055N	N	6.000	7.000	7.008	.625	41	*416287H	H	3.125	4.249	4.254	.468	41
416070	S	4.500	6.125	6.131	.562	41	*416287N	N	3.125	4.249	4.254	.468	41
416071	S	2.375	3.751	3.756	.500	41	*416287V	V	3.125	4.249	4.254	.468	41
416077	S	7.125	8.625	8.632	.562	41	416288	S	3.125	4.249	4.254	.500	41
*416077N	N	7.125	8.625	8.632	.562	41	*416289	S	3.125	4.376	4.381	.562	41
*416100	S	10.625	13.000	13.008	.750	41	*416289N	N	3.125	4.376	4.381	.562	41
416102	S	7.625	8.625	8.632	.562	41	*416290	S	3.250	4.376	4.381	.562	41
416107	S	5.500	6.750	6.758	.575	41	416292	S	3.312	4.249	4.254	.500	41
416112	S	5.375	7.874	7.881	.750	41	416294	S	3.375	4.249	4.254	.500	41
*416112N	N	5.375	7.874	7.881	.750	41	*416294H	H	3.375	4.249	4.254	.500	41
*416113V	V	3.562	4.500	4.506	.500	41	*416294N	N	3.375	4.249	4.254	.500	41
*416122H	H	4.750	5.999	6.006	.562	41	416294V	V	3.375	4.249	4.254	.500	41
416125	S	3.625	4.999	5.004	.500	41	416297	S	3.125	4.626	4.631	.437	41
416127	S	3.750	5.376	5.381	.500	41	*416304	S	3.250	4.626	4.631	.625	41
*416128	S	3.875	5.501	5.506	.562	41	*416309	S	3.250	4.999	5.004	.500	41
416130	S	4.000	5.376	5.381	.500	41	416313	S	3.312	4.751	4.756	.500	41
416135	S	4.250	5.626	5.631	.500	41	416321	S	3.375	4.751	4.756	.500	41
*416136	S	4.250	5.876	5.881	.625	41	*416323	S	3.375	4.751	4.756	.625	41
*416136N	N	4.250	5.876	5.881	.625	41	416327	S	3.375	5.251	5.256	.468	41
416137	S	4.250	5.999	6.005	.500	41	*416331N	N	3.500	4.999	5.004	.500	41
416144	S	4.312	5.999	6.005	.500	41	416332	S	3.625	4.625	4.631	.437	41
416147	S	4.375	5.626	5.631	.500	41	*416333	S	3.625	4.751	4.756	.484	41
416149	S	4.375	5.999	6.005	.500	41	*416335	S	3.625	5.251	5.256	.468	41
416153	S	4.500	5.625	5.631	.500	41	*416335N	N	3.625	5.251	5.256	.468	41
*416153V	V	4.500	5.625	5.631	.500	41	*416335V	V	3.625	5.251	5.256	.468	41
416154	S	4.500	5.999	6.007	.500	41	416339	S	3.750	4.999	5.004	.500	41
416156	S	4.625	5.625	5.631	.500	41	*416339N	N	3.750	4.999	5.004	.500	41

For Illustration and Material Data See Technical Section

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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
*416342	S	3.875	4.626	4.631	.625	41	416888V	V	4.500	5.500	5.507	.500	41
*416342N	N	3.875	4.626	4.631	.625	41	416891	S	4.250	5.500	5.506	.500	41
416345	S	3.875	4.999	5.004	.500	41	416892	S	4.500	5.750	5.756	.500	41
*416345H	H	3.875	4.999	5.004	.500	41	416919	S	3.687	4.501	4.506	.500	41
*416350	S	3.937	4.999	5.004	.500	41	416919N	N	3.687	4.501	4.506	.500	41
416362	S	6.750	8.007	8.017	.625	41	416921	S	2.875	4.003	4.008	.375	41
*416362N	N	6.750	8.007	8.017	.625	41	416951	S	8.250	10.625	10.633	.750	41
*416362V	V	6.750	8.007	8.017	.625	41	416956	S	2.937	3.751	3.756	.375	41
416364	S	7.000	8.000	8.009	.625	41	*416961	S	2.750	4.331	4.336	.500	41
*416364N	N	7.000	8.000	8.009	.625	41	*416961N	N	2.750	4.331	4.336	.500	41
*416364V	V	7.000	8.000	8.009	.625	41	*416977	S	5.125	6.877	6.884	.625	41
*416365	S	3.437	4.501	4.506	.468	41	417016	S	7.875	10.000	10.008	.625	41
416370	S	3.000	4.751	4.756	.625	41	*417017	S	6.125	7.750	7.756	.750	41
416380	S	4.375	5.500	5.506	.500	41	*417018	S	9.375	12.750	12.758	1.250	41
416381	S	9.625	12.750	12.758	1.250	41	417020	S	10.000	12.000	12.008	.625	41
*416381V	V	9.620	12.750	12.758	1.250	41	417022	S	8.375	10.375	10.385	.625	41
416383	S	10.750	13.374	13.381	1.250	41	417040	S	5.625	7.125	7.131	.500	41
*416389	S	3.625	5.501	5.506	.562	41	*417053N	N	6.125	7.875	7.881	.750	41
416394	S	8.500	10.625	10.633	.750	41	417073	S	2.437	3.543	3.548	.375	41
*416395	S	7.250	9.125	9.133	.750	41	417079	S	2.625	3.543	3.548	.375	41
*416403	S	7.995	10.000	10.010	.750	41	417082	S	2.625	4.003	4.008	.375	41
416404	S	3.125	4.003	4.008	.375	41	*417114	S	7.875	10.000	10.008	.750	41
*416404V	V	3.125	4.003	4.008	.375	41	417115	S	7.750	10.000	10.008	.750	41
*416414	S	3.500	4.500	4.506	.500	41	*417116	S	10.500	13.375	13.383	1.250	41
416422	S	8.250	11.500	11.507	.750	41	*417123	S	4.000	6.312	6.318	.500	41
*416422N	N	8.250	11.500	11.507	.750	41	417134	S	2.875	4.125	4.130	.375	41
*416426H	H	2.875	4.331	4.336	.500	41	417158	S	2.875	3.876	3.881	.375	41
*416426N	N	2.875	4.331	4.336	.500	41	417159	S	2.937	3.876	3.881	.375	41
416444	S	2.312	3.500	3.505	.375	41	417159V	V	2.937	3.876	3.881	.375	41
416470N	N	3.250	4.249	4.254	.375	41	417171	S	3.125	4.375	4.381	.500	41
416476	S	5.875	7.125	7.133	.500	41	417172	S	3.125	4.500	4.506	.500	41
*416482	S	7.625	8.623	8.630	.715	41	417181	S	3.250	4.376	4.381	.500	41
416500	S	2.937	3.937	3.942	.500	41	417191	S	3.375	4.500	4.506	.500	41
*416500N	N	2.937	3.937	3.942	.500	41	*417191V	V	3.375	4.500	4.506	.500	41
416556	S	4.250	5.250	5.256	.500	41	417196	S	3.500	4.625	4.631	.500	41
416557	S	5.125	6.125	6.131	.500	41	*417196V	V	3.500	4.625	4.631	.500	41
*416592	S	6.500	9.252	9.260	.750	41	417198	S	3.500	4.875	4.881	.500	41
*416621	S	4.875	6.000	6.006	.562	41	417205	S	3.750	4.875	4.881	.500	41
*416621N	N	4.875	6.000	6.006	.562	41	417210	S	3.875	4.751	4.756	.375	41
416624	S	3.500	4.376	4.381	.500	41	417211	S	3.875	4.875	4.881	.500	41
416624N	N	3.500	4.376	4.381	.500	41	417223	S	4.000	6.250	6.256	.500	41
*416624V	V	3.500	4.376	4.381	.500	41	417238	S	4.312	6.250	6.256	.500	41
416654	S	2.937	4.003	4.008	.375	41	*417246	S	4.625	6.250	6.256	.500	41
416657	S	8.875	10.122	10.130	.750	41	417247	S	4.750	6.001	6.007	.500	41
416664	S	2.750	3.500	3.505	.375	41	417252	S	4.750	6.125	6.131	.500	41
416664V	V	2.750	3.500	3.505	.375	41	417254	S	5.500	6.500	6.507	.562	41
416666	S	5.750	7.001	7.008	.562	41	*417254N	N	5.500	6.500	6.507	.562	41
*416666V	V	5.750	7.001	7.008	.562	41	417255	S	7.000	8.375	8.382	.625	41
416670	S	3.687	5.250	5.256	.468	41	417258	S	5.125	6.250	6.256	.500	41
*416670N	N	3.687	5.250	5.256	.468	41	417262	S	5.250	6.250	6.256	.500	41
*416673	S	4.187	6.000	6.007	.625	41	417262V	V	5.250	6.250	6.256	.500	41
*416673N	N	4.187	6.000	6.007	.625	41	417267	S	4.875	6.125	6.131	.500	41
*416674	S	7.000	8.375	8.382	.750	41	417269	S	4.875	6.250	6.256	.500	41
*416674N	N	7.000	8.375	8.382	.750	41	417273	S	4.937	6.250	6.256	.500	41
416674V	V	7.000	8.375	8.382	.750	41	417278	S	5.000	6.375	6.381	.500	41
416706	S	2.750	4.003	4.008	.375	41	417283	S	7.500	9.243	9.250	.625	41
*416706H	H	2.750	4.003	4.008	.375	41	*417283N	N	7.500	9.243	9.250	.625	41
416738	S	2.062	3.190	3.194	.437	41	417295	S	4.437	5.500	5.506	.500	41
*416738H	H	2.062	3.190	3.194	.437	41	417298	S	6.625	8.125	8.134	.625	41
416775	S	2.937	4.250	4.254	.468	41	417316	S	2.750	3.751	3.756	.375	41
*416795N	N	2.375	4.330	4.335	.500	41	417316V	V	2.750	3.751	3.756	.375	41
*416798	S	9.250	11.500	11.508	.750	41	*417316N	N	2.750	3.751	3.756	.375	41
*416801H	H	5.000	6.003	6.009	.500	41	417343	S	2.625	3.751	3.756	.375	41
416865	S	5.000	6.250	6.256	.500	41	417344	S	2.875	3.751	3.756	.375	41
416865V	V	5.000	6.250	6.256	.500	41	417349	S	3.000	3.751	3.756	.437	41
*416865N	N	5.000	6.251	6.256	.500	41	417349V	V	3.000	3.751	3.756	.437	41
*416866	S	4.750	6.250	6.256	.500	41	417350	S	3.000	3.876	3.881	.437	41
416888	S	4.500	5.500	5.506	.500	41	417351	S	3.000	4.125	4.130	.437	41

For Illustration and Material Data See Technical Section
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Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
410000 SERIES (cont.)							410000 SERIES (cont.)						
417352	S	3.250	4.500	4.506	.500	41	417526	S	4.437	5.999	6.007	.500	41
417353	S	3.250	4.626	4.632	.500	41	417530	S	4.500	5.376	5.381	.437	41
417354	S	3.375	4.626	4.632	.500	41	417531	S	4.500	5.876	5.881	.500	41
417355	S	3.625	4.875	4.881	.500	41	417532	S	4.500	6.374	6.382	.500	41
417356	S	4.000	5.125	5.131	.500	41	417533	S	4.562	5.751	5.756	.500	41
417357	S	4.000	5.250	5.256	.500	41	417534	S	4.562	5.999	6.007	.500	41
417358	S	5.250	6.375	6.381	.500	41	417535	S	4.687	5.999	6.007	.500	41
417359	S	5.250	6.625	6.632	.562	41	417536	S	4.687	6.250	6.256	.500	41
417360	S	5.500	6.625	6.632	.562	41	417537	S	4.687	6.374	6.382	.500	41
417361	S	5.500	6.875	6.882	.562	41	417538	S	4.750	5.876	5.881	.500	41
417362	S	5.750	6.750	6.757	.575	41	*417538V	V	4.750	5.876	5.881	.500	41
*417362N	N	5.750	6.750	6.757	.575	41	417539	S	4.937	5.999	6.007	.500	41
*417362V	V	5.750	6.750	6.757	.575	41	417540	S	4.937	6.374	6.382	.500	41
417363	S	5.750	6.875	6.882	.562	41	417541	S	5.000	6.499	6.507	.500	41
417364	S	5.750	7.125	7.132	.562	41	417542	S	5.000	6.749	6.757	.500	41
417365	S	6.000	7.125	7.132	.562	41	417543	S	5.000	6.874	6.882	.500	41
417366	S	3.875	5.250	5.256	.500	41	*417543V	V	5.000	6.874	6.882	.500	41
*417374	S	9.500	11.500	11.510	.750	41	417544	S	5.000	7.000	7.007	.500	41
417385	S	7.500	10.500	10.510	.750	41	417545	S	5.000	7.500	7.507	.500	41
*417385V	V	7.500	10.500	10.510	.750	41	417546	S	5.125	6.374	6.382	.500	41
*417401	S	3.992	5.875	5.881	.625	41	417547	S	5.125	6.499	6.507	.500	41
*417419	S	5.500	8.500	8.507	.625	41	417548	S	5.187	6.499	6.507	.500	41
417433	S	3.250	4.003	4.008	.375	41	417549	S	5.250	6.750	6.757	.500	41
*417452	S	4.250	6.750	6.757	.625	41	417550	S	5.312	6.500	6.507	.500	41
417474	S	1.937	3.543	3.548	.375	41	417551	S	5.375	6.374	6.380	.500	41
417480	S	2.375	3.876	3.881	.375	41	417554	S	5.375	6.749	6.757	.500	41
*417480N	N	2.375	3.876	3.881	.375	41	417555	S	5.625	6.624	6.631	.500	41
417481	S	2.562	3.750	3.756	.375	41	417556	S	5.625	6.874	6.882	.500	41
*417483	S	2.625	3.876	3.881	.437	41	*417556V	V	5.625	6.874	6.882	.500	41
417484	S	2.750	3.543	3.548	.375	41	417562	S	6.250	7.750	7.758	.500	41
417484N	N	2.750	3.543	3.548	.375	41	417563	S	6.375	7.875	7.883	.500	41
417485	S	2.812	3.876	3.881	.437	41	417564	S	7.000	8.750	8.759	.625	41
417486	S	2.937	4.125	4.130	.375	41	417567	S	8.625	10.625	10.635	.750	41
417487	S	3.000	4.249	4.254	.437	41	417570	S	10.250	12.250	12.260	.750	41
417488	S	3.000	4.376	4.381	.500	41	417571	S	11.000	12.500	12.510	.625	41
417490	S	3.187	4.376	4.381	.500	41	417584	S	5.000	6.126	6.131	.562	41
417491	S	3.312	4.376	4.381	.500	41	417596	S	6.750	8.250	8.257	.562	41
417492	S	3.437	4.501	4.506	.375	41	417597	S	7.000	8.250	8.257	.625	41
417492V	V	3.437	4.501	4.506	.375	41	417598	S	7.625	9.125	9.133	.625	41
417493	S	3.437	4.626	4.631	.500	41	417598V	V	7.625	9.125	9.133	.625	41
*417493V	V	3.437	4.626	4.631	.500	41	417600	S	8.000	9.250	9.258	.625	41
417494	S	3.437	4.876	4.881	.500	41	417601	S	8.000	9.500	9.508	.625	41
417495	S	3.500	5.126	5.131	.500	41	417602	S	8.000	10.000	10.008	.625	41
417496	S	3.500	5.500	5.505	.500	41	*417602N	N	8.000	10.000	10.008	.625	41
417497	S	3.562	4.751	4.756	.500	41	417603	S	8.500	10.000	10.008	.625	41
417498	S	3.562	4.876	4.881	.500	41	417604	S	8.500	10.500	10.508	.625	41
417499	S	3.625	5.251	5.256	.437	41	417605	S	10.000	11.000	11.008	.625	41
417500	S	3.625	5.501	5.506	.500	41	417606	S	9.500	11.500	11.508	.625	41
417501	S	3.687	4.750	4.756	.500	41	*417606V	V	9.500	11.500	11.508	.625	41
417502	S	3.687	5.501	5.506	.500	41	*417607	S	10.500	13.375	13.383	.750	41
417503	S	3.750	5.501	5.506	.500	41	417608	S	12.000	14.000	14.010	.750	41
417504	S	3.812	4.876	4.881	.500	41	417621	S	3.125	4.125	4.130	.375	41
417505	S	3.875	5.501	5.506	.500	41	*417641	S	10.625	12.500	12.508	.625	41
417506	S	3.937	5.501	5.506	.500	41	*417650	S	3.625	6.000	6.006	.500	41
417507	S	4.000	5.626	5.632	.375	41	*417657	S	7.875	9.250	9.258	1.000	41
417509	S	4.000	5.999	6.005	.500	41	417698	S	3.625	4.376	4.381	.375	41
417511	S	4.125	5.126	5.132	.500	41	*417730	S	2.937	4.003	4.008	.625	41
417512	S	4.125	5.501	5.506	.500	41	*417756	S	10.500	12.500	12.508	.625	41
417513	S	4.187	5.501	5.506	.500	41	417780	S	5.937	7.502	7.508	.562	41
417514	S	4.187	5.751	5.756	.500	41	417817	S	7.937	8.750	8.757	.565	41
417515	S	4.187	6.000	6.007	.500	41	*417904N	N	7.500	9.750	9.758	.625	41
417516	S	4.187	6.250	6.256	.500	41	417921	S	6.187	7.250	7.258	.734	41
*417516V	V	4.187	6.250	6.256	.500	41	417939	S	9.910	10.995	11.005	.625	41
417518	S	4.250	6.126	6.133	.500	41	417940	S	9.000	10.088	10.095	.625	41
417520	S	4.312	5.751	5.756	.500	41	*417942V	V	5.625	6.750	6.757	.500	41
417522	S	4.375	6.125	6.131	.500	41	417967★	S	100.00	123.85	123.98	12.70	41
*417522V	V	4.375	6.125	6.131	.500	41	3.937	4.876	4.881	.500			
417525	S	4.437	5.751	5.756	.500	41	417986N	N	2.750	5.500	5.506	.500	41

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
410000 SERIES (cont.)							450000 SERIES (cont.)						
417987N	N	3.250	5.500	5.506	.500	41	*450027	S	.750	1.375	1.379	.406	45
418027	S	2.625	4.437	4.441	.437	41	*450027H	H	.750	1.375	1.379	.406	45
418028	S	3.250	4.500	4.506	.375	41	*450027N	N	.750	1.375	1.379	.406	45
418029	S	3.437	4.249	4.254	.375	41	*450028	S	.750	1.499	1.503	.390	45
*418029V	V	3.437	4.249	4.254	.375	41	*450029	S	.781	1.499	1.503	.390	45
*418038	S	4.187	4.999	5.004	.375	41	450030	S	.812	1.499	1.503	.390	45
440000 SERIES							*450030N	N	.812	1.499	1.503	.390	45
440131	S	.875	1.375	1.379	.187	44	*450032	S	.875	1.499	1.503	.390	45
440265	S	1.687	2.623	2.627	.375	44	*450032N	N	.875	1.499	1.503	.390	45
440511	S	2.625	3.371	3.376	.250	44	*450033	S	.750	1.828	1.832	.437	45
*440905	S	2.000	2.625	2.629	.250	44	*450034	S	.781	1.828	1.832	.437	45
440972	S	2.125	3.371	3.376	.312	44	*450035	S	.812	1.828	1.832	.437	45
441130	S	1.000	1.375	1.379	.187	44	*450037	S	.875	1.828	1.832	.437	45
*441130N	N	1.000	1.375	1.379	.187	44	*450037N	N	.875	1.828	1.832	.437	45
441148	S	2.000	3.264	3.269	.250	44	450038	S	.906	1.828	1.832	.437	45
*441267	S	.875	1.375	1.379	.250	44	450039	S	.937	1.828	1.832	.437	45
441319	S	1.218	1.979	1.983	.250	44	450040	S	.968	1.828	1.832	.437	45
441853	S	1.875	2.561	2.565	.500	44	*450041	S	1.000	1.828	1.832	.437	45
442109	S	2.250	3.371	3.376	.375	44	*450041N	N	1.000	1.828	1.832	.437	45
*442110	S	2.500	3.251	3.256	.250	44	450043	S	1.062	1.828	1.832	.437	45
*442168	S	.875	1.187	1.191	.185	44	450044	S	1.093	1.828	1.832	.437	45
442251	S	1.718	2.561	2.565	.500	44	*450045	S	1.125	1.828	1.832	.437	45
442251V	V	1.718	2.561	2.565	.500	44	*450045H	H	1.125	1.828	1.832	.437	45
*442270	S	2.250	3.371	3.376	.500	44	*450045N	N	1.125	1.828	1.832	.437	45
442380	S	2.500	3.251	3.256	.312	44	*450045V	V	1.125	1.828	1.832	.437	45
442507	S	2.375	3.350	3.355	.250	44	*450046	S	1.156	1.983	1.987	.437	45
442874	S	2.312	3.000	3.005	.250	44	*450047	S	1.187	1.983	1.987	.437	45
443018	S	1.500	1.983	1.988	.187	44	450048	S	1.218	1.983	1.987	.437	45
*443389	S	1.750	2.624	2.628	.250	44	*450049	S	1.250	1.983	1.987	.437	45
*443527	S	1.500	1.875	1.879	.187	44	*450049N	N	1.250	1.983	1.987	.437	45
444042	S	2.500	3.500	3.505	.250	44	*450050	S	1.281	1.983	1.987	.437	45
444116	S	1.812	2.327	2.332	.437	44	*450051	S	1.156	2.062	2.066	.437	45
*444118★	S	45.00	72.20	72.34	7.50	44	*450051V	V	1.156	2.062	2.066	.437	45
		1.772	2.843	2.848	.295		*450052	S	1.187	2.062	2.066	.437	45
444258	S	.375	.836	.841	.187	44	*450053	S	1.312	2.374	2.378	.500	45
*446631	S	2.500	3.876	3.881	.375	44	450054	S	1.343	2.374	2.378	.500	45
446927	S	3.500	4.125	4.130	.250	44	*450055	S	1.375	2.374	2.378	.500	45
447060	S	5.250	6.250	6.256	.250	44	*450055N	N	1.375	2.374	2.378	.500	45
*447060V	V	5.250	6.250	6.256	.250	44	*450055V	V	1.375	2.374	2.378	.500	45
*447441	S	2.667	3.751	3.756	.500	44	*450057	S	1.437	2.374	2.378	.500	45
*447582	S	6.000	7.127	7.133	.500	44	*450057V	V	1.437	2.374	2.378	.500	45
*447583	S	4.125	5.251	5.256	.375	44	*450058	S	1.468	2.374	2.378	.500	45
*447717	S	4.562	5.512	5.517	.250	44	*450059	S	1.500	2.374	2.378	.500	45
*447722	S	4.562	5.312	5.317	.250	44	*450059H	H	1.500	2.374	2.378	.500	45
447793	S	6.000	6.751	6.757	.375	44	*450059N	N	1.500	2.374	2.378	.500	45
*447975	S	6.000	7.238	7.244	.472	44	*450059V	V	1.500	2.374	2.378	.500	45
450000 SERIES							*450061	S	1.375	2.437	2.441	.468	45
450005	S	.500	1.124	1.128	.375	45	*450062	S	1.437	2.437	2.441	.468	45
*450006	S	.531	1.124	1.128	.375	45	*450063	S	1.500	2.437	2.441	.468	45
*450007	S	.562	1.124	1.128	.375	45	*450063H	H	1.500	2.437	2.441	.468	45
*450007H	H	.562	1.124	1.128	.375	45	*450064	S	1.562	2.437	2.441	.468	45
*450008	S	.593	1.124	1.128	.375	45	*450064N	N	1.562	2.437	2.441	.468	45
*450009	S	.625	1.124	1.128	.375	45	450065	S	1.593	2.437	2.441	.468	45
*450009V	V	.625	1.124	1.128	.375	45	450066	S	1.625	2.437	2.441	.468	45
*450014	S	.500	1.250	1.254	.375	45	*450066N	N	1.625	2.437	2.441	.468	45
*450016	S	.562	1.250	1.254	.375	45	450067	S	1.500	2.502	2.506	.500	45
*450016H	H	.562	1.250	1.254	.375	45	*450067N	N	1.500	2.502	2.506	.500	45
*450017	S	.593	1.250	1.254	.375	45	450068	S	1.718	2.623	2.627	.500	45
*450017V	V	.593	1.250	1.254	.375	45	450069	S	1.625	2.623	2.627	.500	45
*450018	S	.625	1.250	1.254	.375	45	*450069N	N	1.625	2.623	2.627	.500	45
*450019	S	.500	1.375	1.379	.406	45	*450069V	V	1.625	2.623	2.627	.500	45
*450021	S	.562	1.375	1.379	.406	45	*450070	S	1.750	2.623	2.627	.500	45
*450022	S	.593	1.375	1.379	.406	45	*450070H	H	1.750	2.623	2.627	.500	45
*450023	S	.625	1.375	1.379	.406	45	*450070N	N	1.750	2.623	2.627	.500	45
*450023H	H	.625	1.375	1.379	.406	45	*450070V	V	1.750	2.623	2.627	.500	45
*450024	S	.656	1.375	1.379	.406	45	*450071	S	1.875	2.623	2.627	.500	45
450025	S	.687	1.375	1.379	.406	45	*450071H	H	1.875	2.623	2.627	.500	45
							*450071N	N	1.875	2.623	2.627	.500	45

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*450071V	V	1.875	2.623	2.627	.500	45	*450140N	N	1.250	1.752	1.756	.437	45
*450072	S	1.625	2.686	2.690	.500	45	*450141	S	.750	1.250	1.254	.375	45
450073	S	1.656	2.686	2.690	.500	45	*450141V	V	.750	1.250	1.254	.375	45
*450074	S	1.687	2.686	2.690	.500	45	450143	S	1.562	2.561	2.565	.500	45
450076	S	1.750	2.686	2.690	.500	45	*450144	S	1.437	2.502	2.506	.500	45
*450076N	N	1.750	2.686	2.690	.500	45	*450145	S	1.937	2.996	3.001	.500	45
*450076V	V	1.750	2.686	2.690	.500	45	450147	S	1.312	2.996	3.001	.500	45
*450077	S	1.500	2.758	2.762	.500	45	*450152	S	1.187	2.125	2.129	.437	45
*450077N	N	1.500	2.758	2.762	.500	45	*450153	S	1.375	2.106	2.110	.468	45
450078	S	1.625	2.875	2.879	.468	45	*450153N	N	1.375	2.106	2.110	.468	45
*450079	S	1.656	2.875	2.879	.468	45	450154	S	1.687	2.502	2.506	.500	45
*450080	S	1.687	2.875	2.879	.468	45	*450155	S	1.750	2.758	2.762	.500	45
450082	S	1.875	2.875	2.879	.468	45	*450157	S	1.000	2.000	2.004	.437	45
*450082N	N	1.875	2.875	2.879	.468	45	*450158	S	1.062	2.000	2.004	.437	45
450083	S	2.000	2.875	2.879	.468	45	450159	S	1.093	2.000	2.004	.437	45
450084	S	1.875	2.996	3.001	.500	45	*450160	S	1.125	2.000	2.004	.437	45
450085	S	2.000	2.996	3.001	.500	45	450161	S	1.156	2.000	2.004	.437	45
*450085N	N	2.000	2.996	3.001	.500	45	*450161H	H	1.156	2.000	2.004	.437	45
*450085V	V	2.000	2.996	3.001	.500	45	*450161V	V	1.156	2.000	2.004	.437	45
*450086	S	1.687	3.062	3.066	.500	45	*450162	S	1.187	2.000	2.004	.437	45
450087	S	1.750	3.061	3.066	.500	45	*450162N	N	1.187	2.000	2.004	.437	45
*450088	S	1.750	3.189	3.194	.437	45	*450163	S	1.250	2.000	2.004	.437	45
450089	S	1.781	3.189	3.194	.437	45	*450163N	N	1.250	2.000	2.004	.437	45
450090	S	1.812	3.189	3.194	.437	45	*450164	S	1.281	2.000	2.004	.437	45
*450092	S	1.875	3.189	3.194	.437	45	*450165	S	1.250	2.250	2.254	.500	45
450094	S	1.937	3.189	3.194	.437	45	*450165H	H	1.250	2.250	2.254	.500	45
450094N	N	1.937	3.189	3.194	.437	45	*450167	S	1.312	2.250	2.254	.500	45
450095	S	2.000	3.189	3.194	.437	45	*450169	S	1.375	2.250	2.254	.500	45
*450095N	N	2.000	3.189	3.194	.437	45	*450169N	N	1.375	2.250	2.254	.500	45
450096	S	2.062	3.189	3.194	.437	45	*450169V	V	1.375	2.250	2.254	.500	45
*450096H	H	2.062	3.189	3.194	.437	45	450173	S	1.218	2.000	2.004	.437	45
*450097	S	2.125	3.350	3.355	.468	45	450177	S	1.250	2.106	2.110	.468	45
*450098	S	2.187	3.350	3.355	.468	45	*450179	S	1.312	2.106	2.110	.468	45
450099	S	2.250	3.350	3.355	.468	45	*450180	S	1.343	2.106	2.110	.468	45
*450100	S	2.312	3.350	3.355	.468	45	*450182	S	1.125	1.983	1.987	.437	45
450101	S	2.375	3.350	3.355	.468	45	450183	S	1.750	2.750	2.754	.500	45
*450101H	H	2.375	3.350	3.355	.468	45	*450183N	N	1.750	2.750	2.754	.500	45
*450101N	N	2.375	3.350	3.355	.468	45	*450183V	V	1.750	2.750	2.754	.500	45
*450102	S	2.000	3.371	3.376	.468	45	*450184	S	.937	1.499	1.503	.390	45
*450102H	H	2.000	3.371	3.376	.468	45	450185	S	1.562	2.502	2.506	.500	45
450103	S	2.375	3.481	3.486	.500	45	450185V	V	1.562	2.502	2.506	.500	45
450104	S	2.437	3.481	3.486	.500	45	*450185H	H	1.562	2.502	2.506	.500	45
*450109	S	1.562	2.750	2.754	.500	45	*450185N	N	1.562	2.502	2.506	.500	45
450111	S	1.968	3.350	3.355	.468	45	*450186	S	1.687	2.750	2.754	.500	45
450115	S	2.125	2.996	3.001	.500	45	*450187	S	1.000	2.062	2.066	.437	45
*450115N	N	2.125	2.996	3.001	.500	45	450188	S	1.062	1.561	1.565	.375	45
450116	S	1.812	2.875	2.879	.468	45	*450189	S	1.125	1.752	1.756	.437	45
450117	S	1.875	2.750	2.754	.500	45	*450189H	H	1.125	1.752	1.756	.437	45
450118	S	1.812	2.750	2.754	.500	45	*450190	S	1.500	2.561	2.565	.500	45
*450119	S	.500	.999	1.003	.375	45	*450193	S	1.812	2.996	3.001	.500	45
*450120	S	1.000	1.499	1.503	.390	45	450194	S	1.625	2.502	2.506	.500	45
*450120H	H	1.000	1.499	1.503	.390	45	*450194H	H	1.625	2.502	2.506	.500	45
450121	S	2.125	3.189	3.194	.437	45	*450194N	N	1.625	2.502	2.506	.500	45
*450121N	N	2.125	3.189	3.194	.437	45	*450202	S	.562	.999	1.003	.375	45
*450121V	V	2.125	3.189	3.194	.437	45	*450202N	N	.562	.999	1.003	.375	45
*450122	S	1.437	2.623	2.627	.500	45	*450203	S	.781	1.375	1.379	.406	45
*450124	S	1.281	2.062	2.066	.437	45	*450204	S	.812	1.375	1.379	.406	45
*450127	S	1.062	1.874	1.878	.437	45	*450204N	N	.812	1.375	1.379	.406	45
*450127H	H	1.062	1.874	1.878	.437	45	*450205	S	.687	1.499	1.503	.390	45
450132	S	2.250	3.371	3.376	.468	45	*450205N	N	.687	1.499	1.503	.390	45
450133	S	2.312	3.371	3.376	.468	45	*450208	S	.968	1.499	1.503	.390	45
*450135	S	1.375	2.125	2.129	.437	45	*450210	S	1.062	1.499	1.503	.390	45
*450136	S	1.500	2.250	2.254	.500	45	*450211	S	.750	1.624	1.628	.437	45
*450136N	N	1.500	2.250	2.254	.500	45	*450213	S	.812	1.624	1.628	.437	45
*450137	S	.687	1.124	1.128	.375	45	*450215	S	.875	1.624	1.628	.437	45
*450138	S	1.937	2.686	2.690	.500	45	*450217	S	.937	1.624	1.628	.437	45
*450139	S	2.187	2.996	3.001	.500	45	*450217V	V	.937	1.624	1.628	.437	45
*450140	S	1.250	1.752	1.756	.437	45	*450218	S	.968	1.624	1.628	.437	45

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*450218N	N	.968	1.624	1.628	.437	45	*450306	S	1.937	3.061	3.066	.500	45
*450219	S	1.000	1.624	1.628	.437	45	450307	S	2.062	3.061	3.066	.500	45
*450219H	H	1.000	1.624	1.628	.437	45	450308	S	2.125	3.061	3.066	.500	45
*450219N	N	1.000	1.624	1.628	.437	45	*450309	S	1.937	3.125	3.130	.500	45
*450220	S	1.031	1.624	1.628	.437	45	*450310	S	2.000	3.125	3.130	.500	45
*450221	S	1.062	1.624	1.628	.437	45	*450310N	N	2.000	3.125	3.130	.500	45
*450222	S	.750	1.752	1.756	.437	45	450311	S	2.062	3.125	3.130	.500	45
*450223	S	.781	1.752	1.756	.437	45	450312	S	2.125	3.125	3.130	.500	45
*450224	S	.812	1.752	1.756	.437	45	*450312N	N	2.125	3.125	3.130	.500	45
*450226	S	.875	1.752	1.756	.437	45	450313	S	2.062	3.251	3.256	.500	45
*450228	S	.937	1.752	1.756	.437	45	*450314	S	2.125	3.251	3.256	.500	45
*450229	S	.968	1.752	1.756	.437	45	*450315	S	2.187	3.251	3.256	.500	45
*450230	S	1.000	1.752	1.756	.437	45	450316	S	2.250	3.251	3.256	.500	45
*450230N	N	1.000	1.752	1.756	.437	45	*450316H	H	2.250	3.251	3.256	.500	45
*450232	S	1.062	1.752	1.756	.437	45	*450316N	N	2.250	3.251	3.256	.500	45
*450233	S	1.000	1.874	1.878	.437	45	450317	S	2.312	3.251	3.256	.500	45
*450236	S	1.125	1.874	1.878	.437	45	*450317N	N	2.312	3.251	3.256	.500	45
*450236H	H	1.125	1.874	1.878	.437	45	*450320	S	2.375	3.189	3.194	.437	45
*450241	S	1.125	2.062	2.066	.437	45	*450322	S	2.437	3.251	3.256	.500	45
*450244	S	1.250	2.062	2.066	.437	45	*450323	S	2.500	3.189	3.194	.437	45
*450244N	N	1.250	2.062	2.066	.437	45	*450323V	V	2.500	3.189	3.194	.437	45
*450245	S	1.250	2.125	2.129	.437	45	*450324	S	2.437	3.371	3.376	.468	45
*450245N	N	1.250	2.125	2.129	.437	45	450326	S	1.500	2.996	3.001	.500	45
*450247	S	1.312	2.125	2.129	.437	45	450329	S	2.625	3.350	3.356	.468	45
*450248	S	1.343	2.125	2.129	.437	45	*450329H	H	2.625	3.350	3.356	.468	45
*450255	S	1.468	2.437	2.441	.468	45	*450330	S	2.500	3.371	3.376	.468	45
*450258	S	1.593	2.502	2.506	.500	45	*450330H	H	2.500	3.371	3.376	.468	45
*450260	S	1.656	2.502	2.506	.500	45	*450331	S	1.843	2.750	2.754	.500	45
*450261	S	2.062	2.996	3.001	.500	45	*450331N	N	1.843	2.750	2.754	.500	45
*450262	S	1.562	2.623	2.627	.500	45	450332	S	1.125	2.437	2.441	.468	45
*450265	S	1.687	2.623	2.627	.500	45	450335	S	1.625	3.062	3.066	.500	45
*450267	S	1.812	2.623	2.627	.500	45	*450336	S	1.187	2.250	2.254	.500	45
*450267N	N	1.812	2.623	2.627	.500	45	*450336H	H	1.187	2.250	2.254	.500	45
*450268	S	1.843	2.623	2.627	.500	45	450339	S	.968	2.062	2.066	.437	45
*450268N	N	1.843	2.623	2.627	.500	45	*450339N	N	.968	2.062	2.066	.437	45
450269	S	1.781	2.686	2.690	.500	45	450340	S	.750	1.561	1.565	.375	45
*450270	S	1.812	2.686	2.690	.500	45	450341	S	1.250	2.713	2.717	.468	45
*450272	S	1.875	2.686	2.690	.500	45	450342	S	1.062	1.983	1.987	.437	45
450273	S	1.562	2.758	2.762	.500	45	*450342N	N	1.062	1.983	1.987	.437	45
450274	S	1.593	2.758	2.762	.500	45	450343	S	2.062	3.371	3.376	.468	45
*450274H	H	1.593	2.758	2.762	.500	45	*450344	S	1.187	1.828	1.832	.437	45
450275	S	1.625	2.758	2.762	.500	45	*450347	S	1.187	2.437	2.441	.468	45
450279	S	1.937	2.758	2.762	.500	45	450350	S	2.375	3.371	3.376	.468	45
450280	S	1.781	2.758	2.762	.500	45	*450350H	H	2.375	3.371	3.376	.468	45
*450281	S	1.812	2.758	2.762	.500	45	*450350N	N	2.375	3.371	3.376	.468	45
*450283	S	1.875	2.758	2.762	.500	45	*450351	S	1.750	2.437	2.441	.468	45
*450283H	H	1.875	2.758	2.762	.500	45	*450351N	N	1.750	2.437	2.441	.468	45
*450284	S	1.656	2.750	2.754	.500	45	450352	S	1.750	2.502	2.506	.500	45
450285	S	1.781	2.750	2.754	.500	45	*450352H	H	1.750	2.502	2.506	.500	45
*450286	S	1.625	2.750	2.754	.500	45	*450352N	N	1.750	2.502	2.506	.500	45
*450286N	N	1.625	2.750	2.754	.500	45	*450354	S	2.187	3.189	3.194	.437	45
450291	S	1.750	2.875	2.879	.468	45	*450355	S	.687	1.250	1.254	.375	45
450291N	N	1.750	2.875	2.879	.468	45	*450358	S	1.625	2.374	2.378	.500	45
*450291V	V	1.750	2.875	2.879	.468	45	*450358N	N	1.625	2.374	2.378	.500	45
*450293	S	1.843	2.875	2.879	.468	45	*450359	S	1.750	2.996	3.001	.500	45
*450295	S	1.937	2.875	2.879	.468	45	*450360	S	2.000	2.686	2.690	.500	45
450298	S	1.875	3.000	3.005	.500	45	*450360H	H	2.000	2.686	2.690	.500	45
*450300	S	1.937	3.000	3.005	.500	45	450361	S	1.750	2.561	2.565	.500	45
450301	S	2.000	3.000	3.005	.500	45	450362	S	1.156	2.125	2.129	.437	45
*450301H	H	2.000	3.000	3.005	.500	45	*450363	S	1.687	2.502	2.506	.375	45
*450301N	N	2.000	3.000	3.005	.500	45	*450363H	H	1.687	2.502	2.506	.375	45
*450302	S	2.062	3.000	3.005	.500	45	450365	S	2.125	2.875	2.879	.468	45
*450302H	H	2.062	3.000	3.005	.500	45	450365N	N	2.125	2.875	2.879	.468	45
450303	S	2.125	3.000	3.005	.500	45	*450365V	V	2.125	2.875	2.879	.468	45
*450303N	N	2.125	3.000	3.005	.500	45	*450373	S	2.062	2.875	2.879	.468	45
*450303V	V	2.125	3.000	3.005	.500	45	*450374	S	2.437	3.350	3.355	.468	45
*450304	S	1.875	3.061	3.066	.500	45	450375	S	1.765	2.412	2.416	.468	45
*450304H	H	1.875	3.061	3.066	.500	45	*450381	S	1.125	1.624	1.628	.437	45

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
450389	S	2.000	2.750	2.754	.500	45	*450532	S	2.062	3.350	3.355	.468	45
*450389H	H	2.000	2.750	2.754	.500	45	450533	S	1.687	3.189	3.194	.437	45
*450394	S	1.500	2.125	2.129	.437	45	450535	S	.625	1.246	1.250	.375	45
*450394N	N	1.500	2.125	2.129	.437	45	450536	S	.562	1.246	1.250	.375	45
*450394V	V	1.500	2.125	2.129	.437	45	*450536N	N	.562	1.246	1.250	.375	45
*450398	S	.875	1.374	1.379	.406	45	450539	S	1.625	3.000	3.005	.500	45
450400	S	1.750	2.250	2.254	.359	45	450540	S	1.500	3.189	3.194	.437	45
*450400V	V	1.750	2.250	2.254	.359	45	*450541	S	1.000	1.752	1.756	.375	45
*450403	S	1.375	2.062	2.066	.437	45	*450543	S	2.000	2.716	2.720	.468	45
*450407	S	3.146	4.003	4.008	.468	45	*450543H	H	2.000	2.716	2.720	.468	45
*450410	S	2.000	2.623	2.627	.500	45	450543V	V	2.000	2.716	2.720	.468	45
*450410N	N	2.000	2.623	2.627	.500	45	450545	S	.968	1.575	1.579	.375	45
450412	S	2.625	3.481	3.486	.500	45	*450548	S	1.500	2.250	2.254	.375	45
450415	S	1.625	2.996	3.001	.500	45	*450548N	N	1.500	2.250	2.254	.375	45
*450418	S	1.562	2.875	2.879	.468	45	*450549	S	1.000	1.983	1.987	.437	45
*450424	S	.875	1.874	1.878	.437	45	*450551	S	2.312	3.125	3.130	.500	45
*450426	S	1.125	2.000	2.004	.375	45	*450552	S	2.375	3.125	3.130	.500	45
450430	S	1.125	2.875	2.879	.468	45	*450552N	N	2.375	3.125	3.130	.500	45
450431	S	.812	1.250	1.254	.375	45	*450553	S	1.000	1.499	1.503	.312	45
*450433	S	2.250	3.125	3.130	.500	45	*450553H	H	1.000	1.499	1.503	.312	45
*450433N	N	2.250	3.125	3.130	.500	45	*450557	S	.625	1.377	1.381	.406	45
*450438	S	1.562	2.374	2.378	.500	45	*450559	S	1.250	2.374	2.378	.500	45
*450438N	N	1.562	2.374	2.378	.500	45	*450565	S	2.375	3.125	3.130	.375	45
450441	S	2.250	2.996	3.001	.500	45	*450567	S	.875	1.375	1.379	.312	45
*450441N	N	2.250	2.996	3.001	.500	45	*450567H	H	.875	1.375	1.379	.312	45
450444	S	1.375	2.502	2.506	.500	45	*450567N	N	.875	1.375	1.379	.312	45
450446	S	2.000	2.713	2.717	.468	45	*450567V	V	.875	1.375	1.379	.312	45
*450449	S	1.000	1.561	1.565	.375	45	*450571	S	2.000	3.251	3.256	.500	45
450451	S	1.500	2.062	2.066	.437	45	*450574	S	2.375	3.251	3.256	.500	45
*450451H	H	1.500	2.062	2.066	.437	45	*450574H	H	2.375	3.251	3.256	.500	45
450452	S	1.375	2.835	2.839	.468	45	*450574N	N	2.375	3.251	3.256	.500	45
*450452N	N	1.375	2.835	2.839	.468	45	*450580	S	.750	1.575	1.579	.375	45
*450453	S	1.437	2.125	2.129	.437	45	450588	S	.812	1.575	1.579	.375	45
*450453N	N	1.437	2.125	2.129	.437	45	*450591	S	.812	1.874	1.878	.437	45
*450455	S	1.937	2.623	2.627	.500	45	*450592	S	.812	1.499	1.503	.312	45
450456	S	1.375	2.716	2.720	.468	45	*450592N	N	.812	1.499	1.503	.312	45
450457	S	.984	1.828	1.832	.437	45	450593	S	1.000	1.828	1.832	.296	45
450461	S	1.500	2.750	2.754	.500	45	*450596	S	1.687	2.835	2.839	.468	45
450463	S	1.375	2.750	2.754	.500	45	*450600	S	1.156	2.250	2.254	.500	45
450467	S	1.625	3.251	3.256	.500	45	450604	S	1.125	2.250	2.254	.500	45
*450469	S	.656	1.250	1.254	.375	45	*450604N	N	1.125	2.250	2.254	.500	45
450472	S	1.968	2.686	2.690	.500	45	*450605	S	2.500	3.371	3.376	.375	45
450474	S	1.968	2.875	2.879	.468	45	*450605H	H	2.500	3.371	3.376	.375	45
*450479	S	1.687	2.437	2.441	.468	45	*450610	S	.750	1.874	1.878	.437	45
*450481	S	1.250	2.437	2.441	.468	45	*450614	S	2.250	3.251	3.256	.437	45
450482	S	1.156	1.828	1.832	.437	45	450621	S	2.156	3.189	3.194	.437	45
*450487	S	1.500	2.686	2.690	.500	45	*450621N	N	2.156	3.189	3.194	.437	45
450489	S	2.187	2.875	2.879	.468	45	450626	S	2.625	3.371	3.376	.468	45
450492	S	1.375	3.350	3.355	.468	45	*450628	S	1.062	2.062	2.066	.437	45
*450493	S	1.500	3.350	3.355	.468	45	450639	S	2.125	2.835	2.839	.468	45
450494	S	1.750	2.502	2.506	.375	45	*450645	S	.875	2.000	2.004	.437	45
450496	S	2.500	3.350	3.355	.468	45	*450649	S	.656	1.375	1.379	.312	45
*450497	S	1.968	3.371	3.376	.468	45	*450652	S	1.250	2.000	2.004	.375	45
450502	S	1.156	1.686	1.690	.375	45	*450652H	H	1.250	2.000	2.004	.375	45
*450503	S	1.312	2.437	2.441	.468	45	*450652V	V	1.250	2.000	2.004	.375	45
*450504	S	1.375	2.623	2.627	.500	45	*450654	S	1.875	2.758	2.762	.437	45
*450515	S	.812	1.561	1.565	.375	45	*450654N	N	1.875	2.758	2.762	.437	45
450516	S	1.375	3.125	3.130	.500	45	*450655	S	1.937	2.713	2.717	.468	45
450519	S	2.500	3.251	3.256	.500	45	450666	S	1.578	2.408	2.412	.500	45
*450519H	H	2.500	3.251	3.256	.500	45	*450680	S	.875	1.499	1.503	.312	45
*450519N	N	2.500	3.251	3.256	.500	45	*450680H	H	.875	1.499	1.503	.312	45
*450520	S	2.250	3.000	3.005	.500	45	*450680V	V	.875	1.499	1.503	.312	45
*450520N	N	2.250	3.000	3.005	.500	45	*450681	S	2.187	3.125	3.130	.500	45
*450521	S	1.312	1.874	1.878	.437	45	*450681N	N	2.187	3.125	3.130	.500	45
*450522	S	1.375	2.004	2.004	.437	45	450686	S	2.375	3.483	3.488	.500	45
450523	S	1.500	2.875	2.879	.468	45	*450687	S	1.687	3.125	3.130	.500	45
*450524	S	1.875	3.371	3.376	.468	45	450693★	S	24.99	52.37	52.48	11.10	45
*450525	S	2.437	3.125	3.130	.500	45			.984	2.062	2.066	.437	

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*450718	S	2.187	3.000	3.005	.437	45	*451091	S	2.000	3.062	3.066	.500	45
*450719	S	1.750	3.000	3.005	.500	45	*451096	S	.656	1.125	1.129	.375	45
*450719H	H	1.750	3.000	3.005	.500	45	*451096H	H	.656	1.125	1.129	.375	45
*450720	S	1.875	3.125	3.130	.500	45	*451100	S	1.125	1.624	1.628	.312	45
*450725	S	2.609	3.350	3.355	.375	45	*451100H	H	1.125	1.624	1.628	.312	45
*450725H	H	2.609	3.350	3.355	.375	45	*451100N	N	1.125	1.624	1.628	.312	45
*450725N	N	2.609	3.350	3.355	.375	45	*451105	S	1.375	2.875	2.879	.468	45
*450737	S	2.250	3.189	3.194	.437	45	*451117N	N	1.937	2.824	2.828	.500	45
*450737N	N	2.250	3.189	3.194	.437	45	*451131	S	1.375	2.374	2.378	.375	45
*450746	S	1.437	2.686	2.690	.500	45	*451133	S	1.125	1.752	1.756	.375	45
*450751	S	1.562	2.686	2.690	.500	45	*451134	S	1.250	2.062	2.066	.375	45
*450755	S	1.625	2.250	2.254	.500	45	*451135	S	1.125	2.062	2.066	.375	45
*450755H	S	1.625	2.250	2.254	.500	45	*451135H	H	1.125	2.062	2.066	.375	45
450765	S	1.687	2.716	2.720	.468	45	*451138	S	2.250	3.125	3.130	.375	45
*450774	S	1.375	2.062	2.066	.375	45	*451139	S	1.875	3.000	3.005	.375	45
450776	S	1.375	2.686	2.690	.500	45	451143	S	2.625	3.251	3.256	.437	45
*450779	S	1.875	2.875	2.879	.500	45	451147H	H	1.750	2.502	2.506	.406	45
*450780	S	.656	1.575	1.579	.375	45	*451147N	N	1.750	2.502	2.506	.406	45
*450781	S	.875	1.575	1.579	.375	45	*451160N	N	2.312	3.000	3.005	.500	45
*450783	S	1.843	2.502	2.506	.500	45	*451162N	N	1.875	2.500	2.504	.437	45
*450791	S	.625	1.124	1.128	.312	45	*451169N	N	1.750	2.411	2.415	.380	45
*450791V	V	.625	1.124	1.128	.312	45	451182	S	1.170	2.031	2.035	.375	45
450803	S	1.562	2.716	2.720	.468	45	*451195	S	1.937	2.502	2.506	.375	45
*450806	S	1.250	2.835	2.839	.468	45	*451195V	V	1.937	2.502	2.506	.375	45
*450808	S	1.437	2.750	2.754	.500	45	*451224	S	1.000	1.499	1.503	.250	45
*450811★	S	24.99	41.25	41.35	11.10	45	*451226	S	1.687	3.000	3.005	.500	45
		.984	1.624	1.628	.437		*451234	S	2.250	3.061	3.066	.500	45
*450814	S	1.500	2.441	2.445	.500	45	*451235	S	1.500	3.000	3.005	.500	45
*450818	S	1.000	1.575	1.579	.375	45	*451258	S	1.125	1.828	1.832	.375	45
450819	S	1.625	2.835	2.839	.468	45	*451268H	H	1.375	2.000	2.004	.375	45
*450823	S	1.875	2.502	2.506	.500	45	*451271	S	2.500	3.251	3.256	.375	45
450867	S	2.125	2.875	2.879	.437	45	*451272	S	2.250	3.000	3.005	.375	45
*450867H	H	2.125	2.875	2.879	.437	45	*451275	S	3.250	4.249	4.254	.468	45
*450867N	N	2.125	2.875	2.879	.437	45	*451275N	N	3.250	4.249	4.254	.468	45
*450867V	V	2.125	2.875	2.879	.437	45	*451294	S	.500	1.124	1.128	.312	45
*450868	S	1.187	1.752	1.756	.375	45	*451294H	H	.500	1.124	1.128	.312	45
450869	S	2.156	3.251	3.256	.500	45	*451297	S	.687	1.124	1.128	.312	45
*450895	S	.750	1.375	1.379	.312	45	*451308	S	1.500	2.374	2.378	.375	45
*450895V	V	.750	1.375	1.379	.312	45	*451324	S	.625	1.375	1.379	.312	45
*450898N	N	2.125	2.875	2.879	.375	45	*451338	S	2.187	3.000	3.005	.500	45
*450904	S	2.562	3.481	3.486	.500	45	*451341	S	2.250	2.996	3.001	.437	45
*450908★	S	25.00	40.00	40.10	9.50	45	*451341H	H	2.250	2.996	3.001	.437	45
		.984	1.575	1.579	.374		*451350	S	1.750	3.125	3.130	.500	45
450908V	V	.984	1.575	1.579	.374	45	*451385	S	.750	1.983	1.987	.437	45
450911	S	1.968	2.742	2.746	.500	45	*451414	S	3.375	4.376	4.381	.562	45
450911N	N	1.968	2.742	2.746	.500	45	*451414H	H	3.375	4.376	4.381	.562	45
*450929	S	1.750	2.374	2.378	.500	45	*451414N	N	3.375	4.376	4.381	.562	45
*450930	S	1.437	2.000	2.004	.437	45	*451447	S	1.875	2.502	2.506	.406	45
*450948	S	1.156	1.875	1.878	.437	45	*451456	S	1.187	1.874	1.878	.437	45
*450963	S	1.562	2.437	2.441	.500	45	*451463	S	1.875	2.835	2.839	.468	45
450965	S	1.937	3.350	3.355	.468	45	451469	S	1.593	2.623	2.627	.340	45
*450966	S	2.000	2.875	2.879	.500	45	*451470	S	.796	1.250	1.254	.375	45
*450972	S	2.125	3.371	3.376	.468	45	*451475	S	2.625	3.543	3.548	.500	45
*450975	S	.625	1.499	1.503	.390	45	*451507V	V	1.500	2.252	2.256	.375	45
450984	S	1.500	2.716	2.720	.468	45	*451508	S	1.812	2.686	2.690	.437	45
*450988	S	2.375	3.061	3.066	.500	45	*451509	S	2.500	3.250	3.256	.437	45
*450988H	H	2.375	3.061	3.066	.500	45	*451509H	H	2.500	3.250	3.256	.437	45
*450988N	N	2.375	3.061	3.066	.500	45	*451531	S	.562	1.124	1.128	.312	45
*450988V	V	2.375	3.061	3.066	.500	45	*451555	S	.500	1.375	1.379	.312	45
*451016	S	1.562	2.125	2.129	.437	45	*451559	S	.687	1.375	1.379	.312	45
*451024	S	.625	1.624	1.628	.437	45	*451560	S	.781	1.375	1.379	.312	45
*451030	S	1.750	2.717	2.721	.468	45	*451560N	N	.781	1.375	1.379	.312	45
*451031	S	.781	1.378	1.382	.406	45	*451577	S	.625	1.499	1.503	.312	45
*451060	S	1.125	2.125	2.129	.437	45	*451580	S	.750	1.499	1.503	.312	45
451078	S	1.875	3.251	3.256	.500	45	*451580H	H	.750	1.499	1.503	.312	45
451082	S	.968	1.874	1.878	.437	45	*451581	S	.781	1.499	1.503	.312	45
*451084	S	1.562	2.250	2.254	.500	45	*451582	S	.937	1.499	1.504	.312	45
*451084H	H	1.562	2.250	2.254	.500	45	451583	S	.968	1.499	1.503	.312	45

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
451583V	V	.968	1.499	1.503	.312	45	*452418	S	1.750	2.437	2.441	.500	45
*451656	S	.750	1.624	1.628	.312	45	*452554	S	1.500	1.983	1.987	.437	45
*451659	S	.875	1.624	1.628	.312	45	452554N	N	1.500	1.983	1.987	.437	45
*451660	S	.937	1.624	1.628	.312	45	*452573	S	.975	1.874	1.878	.437	45
*451662	S	1.000	1.624	1.628	.312	45	*452582	S	.968	1.750	1.754	.375	45
*451662V	V	1.000	1.624	1.628	.312	45	*452584	S	1.062	1.828	1.832	.375	45
*451664	S	1.062	1.624	1.628	.312	45	*452585	S	1.187	2.062	2.066	.375	45
*451664N	N	1.062	1.624	1.628	.312	45	*452604	S	2.187	3.350	3.355	.500	45
*451700	S	.875	1.752	1.756	.312	45	*452612	S	2.125	2.875	2.879	.500	45
*451701	S	.937	1.752	1.756	.312	45	*452624	S	2.625	3.351	3.356	.500	45
*451703	S	1.000	1.752	1.756	.312	45	*452629	S	1.687	2.875	2.879	.500	45
*451705	S	1.062	1.752	1.756	.312	45	*452636	S	2.250	3.251	3.256	.375	45
*451706	S	1.125	1.752	1.756	.312	45	452742	S	1.781	2.502	2.506	.312	45
*451707	S	1.156	1.752	1.756	.312	45	*452744	S	1.000	2.875	2.879	.468	45
*451708	S	1.187	1.752	1.756	.312	45	*452774	S	1.875	2.625	2.629	.500	45
*451709	S	1.250	1.752	1.756	.312	45	*452872	S	1.812	2.561	2.565	.437	45
*451709H	H	1.250	1.752	1.756	.312	45	*452920	S	2.250	3.371	3.376	.375	45
*451718	S	1.062	1.752	1.756	.375	45	*452997	S	1.000	2.000	2.004	.312	45
*451739	S	.781	1.874	1.878	.437	45	*453022	S	1.375	2.125	2.130	.375	45
*451772	S	1.062	2.000	2.004	.375	45	453059	S	.437	1.124	1.128	.406	45
*451787	S	1.250	2.062	2.066	.250	45	453063	S	1.187	2.047	2.051	.437	45
451817	S	1.812	2.437	2.441	.468	45	453065	S	1.500	2.254	2.258	.312	45
*451839N	N	1.625	2.502	2.506	.375	45	453066	S	2.125	2.878	2.882	.375	45
451845	S	1.250	2.561	2.565	.500	45	453165	S	1.000	2.062	2.066	.375	45
*451853	S	1.875	2.561	2.565	.500	45	453182	S	3.000	3.999	4.004	.437	45
451857	S	1.500	2.623	2.627	.500	45	*453244	S	2.187	2.875	2.879	.375	45
*451858	S	1.593	2.623	2.627	.500	45	*453245	S	2.187	3.251	3.256	.375	45
*451858H	H	1.593	2.623	2.627	.500	45	*453246	S	2.375	3.251	3.256	.375	45
*451879	S	1.750	2.686	2.690	.437	45	*453247	S	2.375	3.371	3.376	.375	45
*451883	S	2.000	2.686	2.690	.437	45	*453248	S	2.625	3.371	3.376	.375	45
*451883H	H	2.000	2.686	2.690	.437	45	453279	S	1.250	3.155	3.160	.500	45
*451905	S	1.312	2.875	2.879	.437	45	*453309	S	1.350	2.502	2.506	.500	45
*451936	S	1.875	2.875	2.879	.437	45	453341	S	1.625	2.374	2.378	.437	45
*451936H	H	1.875	2.875	2.879	.437	45	*453510	S	1.562	2.996	3.000	.312	45
*451936V	V	1.875	2.875	2.879	.437	45	*453613	S	2.250	2.875	2.879	.500	45
*451937	S	1.937	2.750	2.754	.500	45	*453760	S	1.250	2.437	2.441	.250	45
*451937H	H	1.937	2.750	2.754	.500	45	454088	S	2.750	4.500	4.505	.468	45
*451943	S	2.000	2.835	2.839	.468	45	454136N	N	2.250	3.350	3.355	.312	45
*451944	S	2.000	2.875	2.879	.437	45	*454199	S	2.375	3.350	3.355	.312	45
*451944H	H	2.000	2.875	2.879	.437	45	*454242	S	1.218	2.062	2.066	.375	45
*451945	S	2.062	2.758	2.762	.437	45	*455000	S	2.437	3.543	3.548	.500	45
451948	S	2.062	2.875	2.879	.437	45	455001	S	2.500	3.543	3.548	.500	45
*451952	S	2.187	2.835	2.839	.468	45	*455002	S	2.562	3.623	3.628	.468	45
*451953	S	2.187	2.875	2.879	.437	45	455003	S	2.625	3.623	3.628	.468	45
*451993	S	1.812	3.125	3.130	.500	45	*455003N	N	2.625	3.623	3.628	.468	45
*452006	S	1.937	2.996	3.001	.437	45	455004	S	2.750	3.751	3.756	.500	45
*452008	S	2.000	2.996	3.001	.437	45	*455004H	H	2.750	3.751	3.756	.500	45
*452009	S	2.000	3.000	3.005	.375	45	*455004N	N	2.750	3.751	3.756	.500	45
*452017	S	2.187	2.996	3.001	.437	45	455005	S	2.812	3.751	3.756	.500	45
*452018	S	2.187	3.000	3.005	.375	45	*455005N	N	2.812	3.751	3.756	.500	45
*452019	S	2.187	3.062	3.066	.500	45	455006	S	2.875	3.751	3.756	.500	45
*452020	S	2.187	3.125	3.130	.375	45	455006N	N	2.875	3.751	3.756	.500	45
*452023	S	1.875	3.350	3.355	.468	45	*455007	S	2.625	3.876	3.881	.468	45
*452032	S	2.125	3.251	3.256	.437	45	455008	S	2.687	3.876	3.881	.468	45
*452035	S	2.187	3.371	3.376	.468	45	455009	S	2.750	3.876	3.881	.468	45
*452038	S	2.375	3.251	3.256	.437	45	*455009N	N	2.750	3.876	3.881	.468	45
*452041	S	1.875	2.502	2.506	.375	45	455011	S	2.875	4.003	4.008	.468	45
452086	S	1.670	2.686	2.690	.500	45	*455011N	N	2.875	4.003	4.008	.468	45
*452132	S	.968	1.750	1.754	.437	45	*455011V	V	2.875	4.003	4.008	.468	45
*452152	S	2.312	3.251	3.256	.437	45	455012	S	2.937	4.003	4.008	.468	45
*452157	S	4.250	5.251	5.256	.375	45	*455012N	N	2.937	4.003	4.008	.468	45
*452164N	N	1.750	2.502	2.506	.312	45	*455012V	V	2.937	4.003	4.008	.468	45
*452170	S	1.625	2.875	2.879	.500	45	455013	S	3.000	4.003	4.008	.468	45
452222	S	1.531	2.374	2.378	.375	45	*455013H	H	3.000	4.003	4.008	.468	45
452261H	H	2.000	2.500	2.504	.437	45	*455013N	N	3.000	4.003	4.008	.468	45
*452336	S	1.000	1.828	1.832	.375	45	*455013V	V	3.000	4.003	4.008	.468	45
*452401	S	1.625	2.437	2.441	.500	45	455014	S	3.000	4.249	4.254	.625	45
*452401V	V	1.625	2.437	2.441	.500	45	455015	S	3.062	4.249	4.254	.625	45

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*455016	S	3.125	4.249	4.254	.625	45	*455079V	V	2.500	3.751	3.756	.500	45
*455017	S	3.187	4.249	4.254	.625	45	455080	S	2.125	3.623	3.628	.468	45
455018	S	3.250	4.249	4.254	.625	45	*455081V	V	4.187	5.125	5.131	.500	45
*455018H	H	3.250	4.249	4.254	.625	45	*455082	S	2.500	3.876	3.881	.468	45
455018N	N	3.250	4.249	4.254	.625	45	*455084	S	7.000	8.500	8.509	.750	45
455019	S	3.000	4.999	5.004	.468	45	*455085	S	3.312	4.499	4.504	.468	45
455020	S	3.062	4.999	5.004	.468	45	*455085V	V	3.312	4.499	4.504	.468	45
*455021	S	3.125	4.999	5.004	.468	45	*455086	S	3.000	4.249	4.254	.468	45
455022	S	3.187	4.999	5.004	.468	45	*455086H	H	3.000	4.249	4.254	.468	45
*455023	S	3.250	4.999	5.004	.468	45	*455086N	N	3.000	4.249	4.254	.468	45
455024	S	3.312	4.999	5.004	.468	45	455088	S	3.000	4.499	4.504	.468	45
*455025	S	3.375	4.999	5.004	.468	45	*455088N	N	3.000	4.499	4.504	.468	45
455026	S	3.437	4.999	5.004	.468	45	*455088V	V	3.000	4.499	4.504	.468	45
455027	S	3.500	4.999	5.004	.468	45	*455090	S	9.000	11.000	11.008	.750	45
*455027H	H	3.500	4.999	5.004	.468	45	455091	S	4.875	5.999	6.007	.625	45
455027N	N	3.500	4.999	5.004	.468	45	*455091H	H	4.875	5.999	6.007	.625	45
*455029	S	3.625	4.999	5.004	.468	45	455093	S	2.250	3.500	3.505	.500	45
*455029H	H	3.625	4.999	5.004	.468	45	*455094	S	2.312	3.500	3.505	.500	45
455031	S	3.750	4.999	5.004	.468	45	*455094N	N	2.312	3.500	3.505	.500	45
*455031N	N	3.750	4.999	5.004	.468	45	*455095	S	2.375	3.500	3.505	.500	45
455032	S	3.812	4.999	5.004	.468	45	455096	S	2.437	3.500	3.505	.500	45
455033	S	3.875	4.999	5.004	.468	45	*455096V	V	2.437	3.500	3.505	.500	45
455034	S	3.937	4.999	5.004	.468	45	*455098	S	2.562	3.500	3.505	.500	45
*455034N	N	3.937	4.999	5.004	.468	45	*455098H	H	2.562	3.500	3.505	.500	45
*455034V	V	3.937	4.999	5.004	.468	45	*455098N	N	2.562	3.500	3.505	.500	45
455035	S	4.000	4.999	5.005	.468	45	455104	S	5.250	6.499	6.507	.625	45
455035N	N	4.000	4.999	5.005	.468	45	*455105	S	5.375	6.624	6.632	.625	45
*455036	S	4.000	5.501	5.506	.562	45	*455105N	N	5.375	6.624	6.632	.625	45
455037	S	4.062	5.501	5.506	.562	45	*455106	S	5.625	6.874	6.882	.625	45
*455039	S	4.187	5.501	5.506	.562	45	*455107	S	5.750	7.000	7.008	.625	45
*455040	S	4.250	5.501	5.506	.562	45	*455107H	H	5.750	7.000	7.008	.625	45
*455040H	H	4.250	5.501	5.506	.562	45	*455107N	N	5.750	7.000	7.008	.625	45
*455040N	N	4.250	5.501	5.506	.562	45	*455107V	V	5.750	7.000	7.008	.625	45
*455041	S	4.000	5.751	5.756	.562	45	*455109	S	6.250	7.750	7.758	.750	45
*455044	S	4.187	5.751	5.756	.562	45	*455111	S	6.500	8.000	8.009	.750	45
*455045	S	4.250	5.751	5.756	.562	45	*455111H	H	6.500	8.000	8.009	.750	45
*455046	S	4.312	5.751	5.756	.562	45	*455114	S	6.875	8.375	8.382	.750	45
*455047	S	4.375	5.751	5.756	.562	45	455117	S	7.375	8.875	8.882	.750	45
*455049	S	4.500	5.750	5.756	.562	45	*455117V	V	7.375	8.875	8.882	.750	45
*455053	S	4.750	5.751	5.757	.562	45	455121	S	7.875	9.375	9.383	.750	45
*455053H	H	4.750	5.751	5.757	.562	45	*455121N	N	7.875	9.375	9.383	.750	45
*455053N	N	4.750	5.751	5.757	.562	45	*455121V	V	7.875	9.375	9.383	.750	45
*455053V	V	4.750	5.750	5.757	.562	45	*455122	S	8.000	10.000	10.008	.750	45
*455054	S	4.000	6.250	6.256	.562	45	455123	S	8.125	10.125	10.130	.750	45
455056	S	4.125	6.250	6.256	.562	45	*455126	S	8.500	10.500	10.510	.750	45
*455057	S	4.187	6.250	6.256	.562	45	*455126H	H	8.500	10.500	10.510	.750	45
*455058	S	4.250	6.250	6.256	.562	45	*455128	S	8.750	10.750	10.758	.750	45
*455059	S	4.312	6.250	6.256	.562	45	455129	S	8.875	10.875	10.885	.750	45
*455059N	N	4.312	6.250	6.256	.562	45	*455130	S	1.937	3.543	3.548	.500	45
455060	S	4.375	6.250	6.256	.562	45	455134	S	4.125	4.999	5.005	.468	45
455062	S	4.500	6.250	6.256	.562	45	*455134H	H	4.125	4.999	5.005	.468	45
*455062N	N	4.500	6.250	6.256	.562	45	*455134N	N	4.125	4.999	5.005	.468	45
*455064	S	4.625	6.250	6.256	.562	45	*455134V	V	4.125	4.999	5.005	.468	45
*455066	S	4.750	6.250	6.256	.562	45	455136	S	2.250	3.481	3.486	.500	45
*455067	S	4.812	6.250	6.256	.562	45	455137	S	3.250	4.499	4.504	.468	45
455068	S	4.875	6.250	6.256	.562	45	*455137V	V	3.250	4.499	4.504	.468	45
*455068N	N	4.875	6.250	6.256	.562	45	*455138	S	4.750	5.750	5.756	.500	45
*455069	S	4.937	6.250	6.256	.562	45	*455138N	N	4.750	5.750	5.756	.500	45
455070	S	5.000	6.250	6.256	.562	45	*455140	S	5.375	6.749	6.757	.625	45
*455070N	N	5.000	6.250	6.256	.562	45	*455142	S	4.125	5.251	5.256	.468	45
*455070V	V	5.000	6.250	6.256	.562	45	455144	S	2.875	4.499	4.504	.468	45
*455071	S	5.125	6.374	6.382	.625	45	*455145	S	3.125	4.499	4.504	.468	45
*455071N	N	5.125	6.376	6.382	.625	45	455146	S	3.500	4.499	4.504	.468	45
*455072	S	6.000	7.500	7.508	.562	45	*455146V	V	3.500	4.499	4.504	.468	45
455073	S	5.500	6.749	6.757	.625	45	455147	S	2.500	3.500	3.505	.500	45
*455074	S	6.125	7.500	7.508	.562	45	*455147H	H	2.500	3.500	3.505	.500	45
455075	S	5.875	7.125	7.133	.625	45	*455147N	N	2.500	3.500	3.505	.500	45
455079	S	2.500	3.751	3.756	.500	45	*455148	S	3.875	5.251	5.256	.468	45

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*455149	S	2.625	3.751	3.756	.500	45	*455206	S	4.312	5.999	6.007	.625	45
*455150	S	3.750	5.251	5.256	.468	45	*455207	S	4.375	5.999	6.007	.625	45
*455150V	V	3.750	5.251	5.256	.468	45	*455209	S	4.500	6.001	6.007	.625	45
455151	S	2.687	3.751	3.756	.500	45	*455211	S	4.625	5.999	6.007	.625	45
*455152	S	2.875	4.125	4.130	.562	45	*455213	S	4.750	5.999	6.007	.625	45
*455153	S	2.937	4.125	4.130	.562	45	*455214	S	4.812	5.999	6.007	.625	45
455154	S	3.000	4.125	4.130	.562	45	*455215V	V	5.500	6.749	6.756	.500	45
*455155	S	3.062	4.125	4.130	.562	45	*455216	S	4.937	5.999	6.007	.625	45
*455156	S	3.125	4.125	4.130	.562	45	*455217	S	4.875	6.127	6.132	.625	45
*455156N	N	3.125	4.125	4.130	.562	45	*455233	S	4.750	5.876	5.881	.625	45
*455156V	V	3.125	4.125	4.130	.562	45	*455234	S	2.250	3.623	3.628	.468	45
*455158	S	3.000	4.376	4.381	.625	45	*455244	S	2.562	3.750	3.756	.500	45
*455160	S	3.125	4.376	4.381	.625	45	*455244H	H	2.562	3.751	3.756	.500	45
*455161	S	3.187	4.376	4.381	.625	45	*455244N	N	2.562	3.751	3.756	.500	45
*455162	S	3.250	4.376	4.381	.625	45	*455245	S	3.125	4.751	4.756	.625	45
*455162N	N	3.250	4.376	4.381	.625	45	*455247	S	4.937	6.374	6.382	.625	45
*455163	S	3.312	4.376	4.381	.625	45	*455248	S	2.375	3.543	3.548	.500	45
*455163H	H	3.312	4.376	4.381	.625	45	455249	S	3.375	4.688	4.693	.500	45
*455164	S	3.375	4.376	4.381	.625	45	*455250	S	2.875	3.623	3.628	.468	45
*455164N	N	3.375	4.376	4.381	.625	45	*455250N	N	2.875	3.623	3.628	.468	45
455165	S	3.375	4.499	4.504	.468	45	*455251	S	4.812	5.751	5.756	.562	45
*455165N	N	3.375	4.499	4.504	.468	45	455251H	H	4.812	5.751	5.756	.562	45
*455165V	V	3.375	4.499	4.504	.468	45	*455251N	N	4.812	5.751	5.756	.562	45
*455166	S	3.437	4.499	4.504	.468	45	455253	S	2.000	3.543	3.548	.500	45
*455168	S	3.375	4.626	4.631	.625	45	*455254	S	2.250	4.003	4.008	.468	45
*455168N	N	3.375	4.626	4.631	.625	45	*455255	S	3.500	4.875	4.881	.625	45
*455170	S	3.500	4.626	4.631	.625	45	*455258	S	4.750	6.127	6.132	.625	45
*455170N	N	3.500	4.626	4.631	.625	45	*455259	S	2.250	3.751	3.756	.500	45
*455172	S	3.625	4.626	4.631	.625	45	455260	S	2.062	3.623	3.628	.468	45
*455172N	N	3.625	4.626	4.631	.625	45	*455262	S	3.500	5.501	5.506	.562	45
*455172V	V	3.625	4.626	4.631	.625	45	*455263	S	3.937	5.376	5.381	.500	45
455173	S	3.500	4.751	4.756	.625	45	*455263H	H	3.937	5.376	5.381	.500	45
*455173N	N	3.500	4.751	4.756	.625	45	*455265	S	3.250	4.751	4.756	.625	45
*455174	S	3.562	4.751	4.756	.625	45	*455267	S	2.312	4.003	4.008	.468	45
*455175	S	3.625	4.751	4.756	.625	45	*455270	S	10.000	11.000	11.010	.750	45
*455177	S	3.750	4.751	4.756	.625	45	*455270N	N	10.000	11.000	11.010	.750	45
*455178	S	3.812	4.751	4.756	.625	45	*455270V	V	10.000	11.000	11.010	.750	45
*455179	S	3.875	4.751	4.756	.625	45	*455271	S	5.000	5.999	6.007	.625	45
*455179N	N	3.875	4.751	4.756	.625	45	*455271N	N	5.000	5.999	6.007	.625	45
*455181	S	3.625	4.876	4.881	.625	45	*455271V	V	5.000	6.001	6.007	.625	45
*455183	S	3.750	4.876	4.881	.625	45	455272	S	2.750	4.003	4.008	.468	45
*455185	S	3.875	4.876	4.881	.625	45	*455273	S	5.500	6.499	6.507	.625	45
*455185N	N	3.875	4.876	4.881	.625	45	*455273N	N	5.500	6.499	6.507	.625	45
455186★	S	100.00	123.85	123.98	15.88	45	*455273V	V	5.500	6.499	6.507	.625	45
455188	S	4.000	5.126	5.131	.625	45	455280	S	2.562	3.876	3.881	.468	45
455189	S	3.812	5.251	5.256	.468	45	*455281	S	3.000	3.751	3.756	.500	45
*455189N	N	3.812	5.251	5.256	.468	45	*455281H	H	3.000	3.751	3.756	.500	45
455191	S	3.937	5.251	5.256	.468	45	*455281N	N	3.000	3.751	3.756	.500	45
455192	S	4.000	5.251	5.256	.468	45	*455282	S	7.000	8.001	8.009	.750	45
455194	S	4.187	5.251	5.256	.468	45	*455282N	N	7.000	8.001	8.009	.750	45
455195	S	4.250	5.251	5.256	.468	45	*455285	S	5.000	6.250	6.256	.625	45
*455195H	H	4.250	5.251	5.256	.468	45	455290	S	5.062	6.374	6.382	.625	45
*455195V	V	4.250	5.251	5.256	.468	45	*455292	S	1.375	3.500	3.505	.500	45
*455196	S	4.250	5.376	5.381	.500	45	455294	S	6.500	7.500	7.508	.562	45
*455196N	N	4.250	5.376	5.381	.500	45	*455294N	N	6.500	7.500	7.508	.562	45
455197	S	4.312	5.501	5.506	.562	45	*455294V	V	6.500	7.500	7.508	.562	45
455197N	N	4.312	5.501	5.506	.562	45	*455295	S	4.187	4.999	5.004	.468	45
455198	S	4.375	5.501	5.506	.562	45	*455296	S	2.625	4.003	4.008	.468	45
*455198N	N	4.375	5.501	5.506	.562	45	455297	S	5.875	7.500	7.508	.562	45
455200	S	4.500	5.500	5.506	.562	45	*455299	S	8.000	9.250	9.260	.750	45
455200N	N	4.500	5.500	5.506	.562	45	*455300	S	8.000	9.500	9.510	.750	45
*455200V	V	4.500	5.500	5.506	.562	45	455301	S	9.000	10.000	10.010	.750	45
*455201	S	4.000	5.999	6.007	.625	45	*455303	S	2.875	3.623	3.628	.375	45
455203	S	4.125	6.000	6.007	.625	45	*455304	S	3.250	4.249	4.254	.500	45
*455204	S	4.187	5.999	6.007	.625	45	*455304N	N	3.250	4.249	4.254	.500	45
*455205	S	4.250	5.999	6.007	.625	45	*455304V	V	3.250	4.249	4.254	.500	45
*455205N	N	4.250	5.999	6.007	.625	45	455308	S	1.500	3.544	3.548	.500	45
							455310	S	2.875	4.335	4.340	.437	45

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*455310V	V	2.875	4.335	4.340	.437	45	455448	S	5.250	6.250	6.256	.562	45
455311	S	2.562	3.543	3.548	.500	45	*455448N	N	5.250	6.250	6.256	.562	45
*455312	S	5.000	6.374	6.382	.625	45	*455448V	V	5.250	6.250	6.256	.562	45
*455312V	V	5.000	6.374	6.382	.625	45	*455449	S	2.500	3.500	3.505	.375	45
*455315	S	2.750	3.623	3.628	.468	45	*455452	S	7.000	8.250	8.258	.750	45
*455315N	N	2.750	3.623	3.628	.468	45	*455458	S	2.625	3.623	3.628	.375	45
*455315V	V	2.750	3.623	3.628	.468	45	*455460	S	5.000	7.500	7.507	.562	45
*455318	S	5.000	6.749	6.757	.625	45	*455461	S	5.375	6.499	6.507	.625	45
*455319	S	3.500	5.126	5.131	.625	45	*455461N	N	5.375	6.500	6.507	.625	45
455321	S	2.312	3.751	3.756	.500	45	455462	S	9.000	10.500	10.510	.750	45
455322	S	2.750	3.543	3.548	.500	45	*455464	S	5.312	6.499	6.507	.625	45
455322N	N	2.750	3.543	3.548	.500	45	455471	S	3.437	5.250	5.256	.468	45
455322V	V	2.750	3.543	3.548	.500	45	*455472	S	3.437	5.501	5.506	.562	45
*455325	S	4.500	6.374	6.382	.625	45	*455473	S	4.250	6.127	6.132	.625	45
*455327	S	6.750	8.000	8.007	.625	45	455475	S	8.250	9.250	9.258	.625	45
*455327V	V	6.750	8.000	8.007	.625	45	455476	S	9.000	10.250	10.260	.750	45
455328	S	3.250	5.251	5.256	.468	45	455479	S	3.000	3.876	3.881	.468	45
455330	S	6.125	7.125	7.133	.625	45	455479V	V	3.000	3.876	3.881	.468	45
*455330H	H	6.125	7.125	7.133	.625	45	455480	S	6.250	7.500	7.508	.562	45
455336	S	3.187	4.499	4.504	.468	45	*455480H	H	6.250	7.500	7.508	.562	45
*455341	S	3.437	4.876	4.881	.625	45	455480V	V	6.250	7.500	7.508	.562	45
*455342	S	4.500	5.876	5.881	.625	45	*455483	S	2.625	3.500	3.505	.375	45
*455347	S	2.937	3.876	3.881	.468	45	*455486	S	3.625	4.751	4.756	.562	45
*455350	S	2.187	3.623	3.628	.468	45	*455487	S	5.625	6.624	6.631	.625	45
*455351	S	4.500	6.250	6.256	.500	45	*455487H	H	5.625	6.624	6.631	.625	45
*455354	S	3.125	4.003	4.008	.468	45	*455487N	N	5.625	6.624	6.631	.625	45
*455354N	N	3.125	4.003	4.008	.468	45	*455489	S	8.500	10.000	10.010	.750	45
*455355	S	2.875	3.876	3.881	.468	45	*455489H	H	8.500	10.000	10.010	.750	45
455356	S	2.937	4.499	4.504	.468	45	*455494N	N	5.187	6.499	6.507	.625	45
*455363	S	5.750	6.749	6.757	.625	45	*455495	S	5.125	6.499	6.507	.625	45
455364	S	2.750	3.500	3.505	.500	45	*455498	S	3.562	4.499	4.504	.468	45
*455364N	N	2.750	3.500	3.505	.500	45	*455498N	N	3.562	4.499	4.504	.468	45
455368	S	2.625	3.500	3.505	.500	45	455499	S	3.437	4.249	4.254	.625	45
*455368N	N	2.625	3.500	3.505	.500	45	455500	S	3.298	4.125	4.130	.562	45
455369	S	2.500	3.623	3.628	.468	45	455509	S	3.000	3.936	3.941	.500	45
*455371	S	4.625	5.751	5.756	.562	45	*455511	S	2.843	3.939	3.944	.500	45
*455371N	N	4.625	5.751	5.756	.562	45	*455512	S	4.000	5.374	5.379	.500	45
*455375	S	4.750	6.625	6.632	.625	45	455513	S	4.000	5.626	5.631	.500	45
*455377	S	5.000	6.499	6.507	.625	45	*455513N	N	4.000	5.626	5.631	.500	45
*455378	S	4.687	5.751	5.756	.562	45	*455517	S	7.000	8.000	8.007	.750	45
455378H	H	4.687	5.751	5.756	.562	45	*455517N	N	7.000	8.000	8.007	.750	45
*455378N	N	4.687	5.751	5.756	.562	45	*455526N	N	3.000	3.876	3.881	.500	45
455379	S	3.750	4.751	4.756	.500	45	455536	S	1.750	3.543	3.548	.500	45
*455379H	H	3.750	4.751	4.756	.500	45	455547	S	3.875	5.126	5.131	.625	45
*455379N	N	3.750	4.751	4.756	.500	45	*455547N	N	3.875	5.126	5.131	.625	45
455379V	V	3.750	4.751	4.756	.500	45	*455551	S	7.500	9.000	9.010	.750	45
*455380	S	2.375	3.623	3.628	.468	45	*455551N	N	7.500	9.000	9.010	.750	45
*455380N	N	2.375	3.623	3.628	.468	45	455556	S	2.875	4.376	4.381	.625	45
*455380V	V	2.375	3.623	3.628	.468	45	*455559	S	3.500	5.251	5.256	.468	45
*455383	S	2.937	3.751	3.756	.500	45	455566	S	3.250	4.125	4.130	.562	45
*455384	S	2.812	4.003	4.008	.468	45	*455566N	N	3.250	4.125	4.130	.562	45
*455389	S	3.625	4.499	4.504	.468	45	*455566V	V	3.250	4.125	4.130	.562	45
*455389H	H	3.625	4.499	4.504	.468	45	*455575	S	3.937	5.501	5.506	.562	45
*455389V	V	3.625	4.499	4.504	.468	45	455576	S	5.375	6.499	6.507	.562	45
*455393	S	4.125	5.126	5.131	.625	45	*455577	S	3.250	4.723	4.729	.468	45
*455394	S	3.125	5.251	5.256	.468	45	455583	S	6.187	7.500	7.508	.562	45
*455395	S	5.250	6.750	6.757	.625	45	*455583H	H	6.187	7.500	7.507	.562	45
455396	S	3.500	5.751	5.756	.562	45	455583N	N	6.187	7.500	7.507	.562	45
*455397	S	7.875	9.000	9.010	.750	45	455584	S	6.875	8.375	8.382	.625	45
*455402	S	3.562	5.751	5.756	.562	45	*455584N	N	6.875	8.375	8.382	.625	45
455406	S	7.750	9.250	9.260	.625	45	*455591	S	4.937	6.131	6.136	.562	45
*455421	S	7.000	8.750	8.759	.750	45	*455592	S	6.937	8.129	8.138	.750	45
*455423	S	3.750	5.501	5.506	.562	45	*455596	S	9.437	10.630	10.640	.750	45
455434	S	2.687	3.500	3.505	.500	45	*455596H	H	9.437	10.630	10.640	.750	45
*455436	S	3.625	5.751	5.756	.562	45	*455601	S	4.500	6.127	6.132	.562	45
*455437	S	3.500	4.751	4.756	.500	45	*455608	S	3.977	5.376	5.381	.500	45
455437N	N	3.500	4.751	4.756	.500	45	*455612	S	3.312	5.501	5.506	.562	45
*455447	S	5.750	6.624	6.632	.625	45	*455612N	N	3.312	5.501	5.506	.562	45

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*455613	S	3.375	4.249	4.254	.625	45	*455991	S	3.500	4.501	4.506	.468	45
*455614	S	4.812	6.499	6.507	.625	45	455995N	N	3.000	4.003	4.008	.375	45
*455615	S	3.250	4.501	4.506	.468	45	*456003	S	3.625	4.624	4.629	.500	45
*455618	S	5.750	7.875	7.883	.750	45	*456011	S	3.125	4.125	4.130	.500	45
*455625	S	4.187	6.373	6.381	.625	45	*456011V	V	3.125	4.125	4.130	.500	45
*455636	S	2.187	3.500	3.505	.500	45	*456026	S	3.000	4.249	4.254	.500	45
*455645	S	5.250	6.500	6.507	.562	45	*456026V	V	3.000	4.249	4.254	.500	45
*455647	S	2.312	3.543	3.548	.500	45	*456030N	N	4.500	5.501	5.506	.500	45
*455650	S	2.375	4.376	4.381	.625	45	*456039	S	5.750	7.500	7.508	.562	45
*455652	S	5.625	7.125	7.133	.625	45	*456039N	N	5.750	7.500	7.508	.562	45
455655	S	2.500	4.003	4.008	.468	45	*456041	S	3.750	4.626	4.632	.500	45
*455659	S	2.125	3.500	3.505	.500	45	*456043	S	3.875	5.751	5.756	.562	45
*455661	S	5.500	7.876	7.883	.750	45	*456044	S	7.250	8.250	8.257	.625	45
455685	S	4.625	5.875	5.881	.625	45	*456047	S	3.625	4.625	4.631	.500	45
*455685N	N	4.625	5.875	5.881	.625	45	456052	S	5.875	7.999	8.007	.750	45
*455697	S	3.875	5.125	5.131	.500	45	*456053N	N	1.869	3.744	3.749	.500	45
*455699	S	7.000	8.000	8.007	.562	45	456055	V	6.000	7.001	7.008	.625	45
*455712	S	4.250	5.251	5.256	.625	45	*456055N	N	6.000	7.001	7.008	.625	45
*455712N	N	4.250	5.251	5.256	.625	45	*456055V	V	6.000	7.001	7.008	.625	45
*455719	S	2.750	3.876	3.882	.500	45	456057	S	1.937	3.751	3.756	.500	45
*455725	S	5.000	6.001	6.007	.500	45	*456068	S	3.500	4.376	4.381	.625	45
*455725N	N	5.000	6.001	6.007	.500	45	456105	S	3.187	4.249	4.254	.468	45
*455728	S	2.375	3.750	3.756	.500	45	*456107	S	5.500	6.750	6.758	.575	45
*455734	S	3.164	4.249	4.254	.625	45	*456111	S	2.843	4.501	4.506	.375	45
*455799N	N	5.250	6.250	6.256	.625	45	*456112	S	5.375	7.874	7.881	.750	45
455820	S	3.000	4.875	4.881	.625	45	*456112N	N	5.375	7.873	7.881	.750	45
*455824	S	5.125	6.251	6.256	.562	45	*456113	S	3.562	4.500	4.506	.500	45
455828V	V	8.500	9.500	9.509	.625	45	*456113N	N	3.562	4.500	4.506	.500	45
*455832	S	3.625	5.375	5.381	.500	45	*456125	S	3.625	4.999	5.004	.500	45
*455836	S	3.000	4.003	4.008	.437	45	*456127	S	3.750	5.376	5.381	.500	45
*455852	S	3.750	5.751	5.756	.562	45	*456128	S	3.875	5.501	5.506	.562	45
*455854	S	6.250	7.875	7.881	.750	45	*456130	S	4.000	5.376	5.381	.500	45
455858	S	3.437	4.756	4.761	.562	45	*456135	S	4.250	5.626	5.631	.500	45
455860	S	2.375	3.876	3.881	.468	45	*456136N	N	4.250	5.876	5.881	.625	45
*455861	S	4.375	6.064	6.071	.625	45	*456136V	V	4.250	5.876	5.881	.625	45
455867V	V	7.500	8.500	8.509	.625	45	456141	S	4.312	5.376	5.381	.500	45
*455871	S	9.375	11.375	11.385	.750	45	*456150	S	4.375	6.125	6.131	.562	45
*455871N	N	9.375	11.375	11.385	.750	45	456153	S	4.500	5.625	5.631	.500	45
*455871V	V	9.375	11.375	11.385	.750	45	*456160	S	4.750	6.125	6.131	.562	45
*455872	S	2.750	3.538	3.543	.500	45	*456167	S	4.875	5.999	6.007	.500	45
*455872V	V	2.750	3.538	3.543	.500	45	*456168	S	4.875	6.125	6.131	.562	45
*455894	S	3.375	4.376	4.381	.500	45	*456174	S	5.375	6.374	6.382	.625	45
*455894N	N	3.375	4.376	4.381	.500	45	*456187V	V	5.375	7.500	7.508	.562	45
*455899	S	3.500	4.375	4.381	.562	45	*456189	S	5.500	6.624	6.631	.625	45
*455911	S	2.625	3.623	3.629	.500	45	*456190	S	5.500	6.874	6.882	.625	45
*455923N	N	3.550	4.376	4.381	.375	45	*456190N	N	5.500	6.875	6.882	.625	45
*455930	S	8.875	10.125	10.130	.750	45	456192	S	5.500	7.500	7.507	.562	45
*455937	S	3.625	4.751	4.756	.500	45	*456192N	N	5.500	7.500	7.507	.562	45
*455938	S	5.375	6.624	6.632	.562	45	*456199	S	5.625	7.500	7.508	.562	45
*455942	S	5.356	6.500	6.507	.562	45	*456214	S	5.750	6.874	6.882	.625	45
*455942H	H	5.356	6.500	6.507	.562	45	*456215	S	5.750	7.125	7.133	.625	45
*455943	S	4.500	5.512	5.518	.562	45	*456219N	N	6.000	7.125	7.133	.625	45
*455944	S	8.125	9.375	9.379	.750	45	*456248	S	7.375	9.375	9.382	.750	45
*455945	S	7.872	9.500	9.507	.750	45	*456267	S	2.125	3.501	3.505	.375	45
*455947	S	3.625	4.874	4.879	.625	45	*456269	S	2.187	3.543	3.548	.500	45
455948	S	6.875	7.875	7.883	.625	45	*456271	S	2.375	3.500	3.505	.375	45
*455953	S	4.000	4.999	5.004	.500	45	*456271V	V	2.375	3.500	3.505	.375	45
*455953H	H	4.000	4.999	5.004	.500	45	*456273	S	2.500	3.623	3.628	.375	45
*455953N	N	4.000	4.999	5.004	.500	45	*456281N	N	2.750	4.125	4.130	.562	45
455956H	H	5.187	6.500	6.507	.625	45	*456282	S	2.750	4.249	4.254	.468	45
*455956N	N	5.187	6.500	6.507	.625	45	*456286	S	2.875	4.249	4.254	.625	45
*455956V	V	5.187	6.500	6.507	.625	45	*456287	S	3.125	4.249	4.254	.468	45
455958	S	3.875	5.376	5.381	.500	45	*456288	S	3.125	4.249	4.254	.500	45
*455960	S	2.750	3.876	3.881	.375	45	*456289	S	3.125	4.376	4.381	.562	45
*455963H	H	3.750	4.751	4.756	.484	45	*456289N	N	3.125	4.375	4.381	.562	45
*455963N	N	3.750	4.751	4.756	.484	45	*456290	S	3.250	4.376	4.381	.562	45
455966	S	8.750	10.500	10.510	.750	45	*456290V	V	3.250	4.376	4.381	.562	45
*455984	S	2.750	3.623	3.628	.375	45	*456292	S	3.312	4.249	4.253	.500	45

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
450000 SERIES (cont.)							450000 SERIES (cont.)						
*456294	S	3.375	4.249	4.254	.500	45	*456888V	V	4.500	5.500	5.506	.500	45
*456294H	H	3.375	4.249	4.254	.500	45	*456889	S	4.187	5.500	5.506	.500	45
*456294N	N	3.375	4.249	4.254	.500	45	456890	S	4.812	6.250	6.256	.500	45
*456301	S	3.125	4.999	5.004	.500	45	*456891	S	4.250	5.500	5.506	.500	45
456305	S	3.250	4.751	4.756	.484	45	*456892	S	4.500	5.750	5.756	.500	45
*456306	S	3.250	4.751	4.756	.500	45	*456909	S	3.125	3.937	3.942	.500	45
*456323	S	3.375	4.751	4.756	.625	45	456919V	V	3.687	4.501	4.506	.500	45
*456325	S	3.375	4.999	5.004	.500	45	*456921	S	2.875	4.003	4.008	.375	45
*456327	S	3.375	5.251	5.256	.468	45	*456946N	N	4.000	5.250	5.256	.375	45
*456331	S	3.500	4.999	5.004	.500	45	*456967N	N	4.000	5.000	5.005	.312	45
*456331H	H	3.500	4.999	5.004	.500	45	456967V	V	4.000	5.000	5.005	.312	45
*456335	S	3.625	5.251	5.256	.468	45	*456981	S	3.875	4.751	4.756	.500	45
*456339	S	3.750	4.999	5.004	.500	45	*456986H	H	5.312	6.500	6.507	.625	45
*456343	S	3.875	4.751	4.756	.484	45	457034	V	3.125	4.003	4.008	.500	45
*456345	S	3.875	4.999	5.004	.500	45	457096V	V	10.000	11.500	11.508	.750	45
*456345N	N	3.875	4.999	5.004	.500	45	*457097	S	2.000	3.623	3.628	.500	45
*456350	S	3.937	4.999	5.004	.500	45	*457131N	N	6.500	8.750	8.757	.750	45
*456364	S	7.000	8.000	8.009	.625	45	*457134	S	2.875	4.125	4.130	.375	45
*456364N	N	7.000	8.000	8.009	.625	45	*457149N	N	7.750	10.500	10.510	.750	45
*456364V	V	7.000	8.000	8.009	.625	45	*457149V	V	7.750	10.500	10.510	.750	45
*456370	S	3.000	4.751	4.756	.625	45	*457158	S	2.875	3.876	3.881	.375	45
*456380	S	4.375	5.500	5.506	.500	45	*457163	S	3.000	4.501	4.506	.468	45
*456389	S	3.625	5.501	5.506	.562	45	*457165	S	3.000	4.750	4.756	.500	45
*456414	S	3.500	4.500	4.506	.500	45	*457171	S	3.125	4.375	4.381	.500	45
*456414H	H	3.500	4.501	4.506	.500	45	*457172	S	3.125	4.500	4.506	.500	45
456462	S	9.000	10.375	10.384	.625	45	*457173	S	3.125	4.625	4.631	.500	45
456464	S	9.910	10.997	11.005	.625	45	*457181	S	3.250	4.376	4.381	.500	45
*456472	S	2.375	3.623	3.628	.500	45	*457191	S	3.375	4.500	4.506	.500	45
456472N	N	2.375	3.623	3.628	.500	45	*457196	S	3.500	4.625	4.631	.500	45
*456483	S	10.000	11.250	11.260	.750	45	*457205	S	3.750	4.875	4.881	.500	45
*456494	S	4.500	5.375	5.381	.531	45	*457211	S	3.875	4.875	4.881	.500	45
*456500	S	2.937	3.937	3.942	.500	45	*457247	S	4.750	6.001	6.007	.500	45
*456554	S	8.500	10.000	10.010	.687	45	*457247N	N	4.750	6.001	6.007	.500	45
*456556	S	4.250	5.250	5.256	.500	45	*457254	S	5.500	6.500	6.507	.562	45
456557	V	5.125	6.125	6.131	.500	45	*457262	S	5.250	6.250	6.256	.500	45
*456557V	V	5.125	6.125	6.131	.500	45	*457262N	N	5.250	6.250	6.256	.500	45
456585	S	3.375	4.501	4.506	.468	45	*457278	S	5.000	6.375	6.381	.500	45
456618	S	3.880	5.690	5.695	.500	45	457291	S	2.750	3.538	3.543	.437	45
*456619	S	2.562	3.623	3.628	.500	45	457294	S	4.000	4.750	4.756	.562	45
*456621V	V	4.875	6.000	6.006	.562	45	457295	S	4.437	5.500	5.506	.562	25
*456622	S	2.250	3.350	3.355	.500	45	457299	S	7.750	9.000	9.010	.625	45
*456624	S	3.500	4.376	4.381	.500	45	*457316	S	2.750	3.751	3.756	.375	45
*456626	S	3.875	4.876	4.881	.500	45	*457343	S	2.625	3.751	3.756	.375	45
456641	H	4.625	5.500	5.506	.562	45	*457344	S	2.875	3.751	3.756	.375	45
456648	S	3.312	4.501	4.506	.468	45	*457349	S	3.000	3.751	3.756	.437	45
*456664	S	2.750	3.500	3.505	.375	45	*457350	S	3.000	3.876	3.881	.437	45
*456666	S	5.750	7.001	7.008	.562	45	*457351	S	3.000	4.125	4.130	.437	45
*456676	S	3.875	6.064	6.070	.625	45	*457352	S	3.250	4.500	4.506	.500	45
*456724	S	7.000	8.377	8.384	.750	45	*457353	S	3.250	4.626	4.632	.500	45
*456733	S	3.062	4.331	4.336	.500	45	*457354	S	3.375	4.626	4.632	.500	45
*456744	S	3.625	4.375	4.381	.375	45	*457355	S	3.625	4.875	4.881	.500	45
456744N	N	3.625	4.375	4.381	.375	45	*457356	S	4.000	5.125	5.131	.500	45
*456792	S	2.250	3.623	3.628	.500	45	*457357	S	4.000	5.250	5.256	.500	45
456799	S	3.164	4.999	5.004	.468	45	*457358	S	5.250	6.375	6.381	.500	45
*456799H	H	3.164	4.999	5.004	.468	45	*457359	S	5.250	6.625	6.632	.562	45
*456800	S	4.500	6.001	6.007	.500	45	*457360	S	5.500	6.625	6.632	.562	45
*456830	S	5.125	6.375	6.381	.625	45	*457361	S	5.500	6.875	6.882	.562	45
456837V	V	2.843	4.003	4.008	.500	45	*457362	S	5.750	6.750	6.757	.562	45
*456861	S	2.125	3.350	3.355	.500	45	*457363	S	5.750	6.875	6.882	.562	45
*456865	S	5.000	6.250	6.256	.500	45	*457364	S	5.750	7.125	7.132	.562	45
456865N	N	5.000	6.250	6.256	.500	45	*457365	S	6.000	7.125	7.132	.562	45
*456865V	V	5.000	6.250	6.256	.500	45	*457366	S	3.875	5.250	5.256	.500	45
*456873	S	4.000	5.689	5.695	.500	45	*457382N	N	4.000	4.998	5.004	.375	45
*456876	S	2.750	3.623	3.628	.500	45	*457466	S	7.000	8.251	8.258	.625	45
*456886	S	2.875	4.003	4.008	.500	45	*457557	S	5.750	7.500	7.506	.500	45
*456887	S	4.000	5.500	5.506	.500	45	457585	S	4.562	6.250	6.256	.500	45
*456888	S	4.500	5.500	5.506	.500	45	*457599	S	3.500	4.376	4.381	.375	45
*456888N	N	4.500	5.500	5.506	.500	45	*457649V	V	4.000	5.125	5.130	.312	45

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
450000 SERIES (cont.)							470000 SERIES (cont.)						
*457661V	V	4.250	5.876	5.881	.500	45	*470092	S	1.875	3.189	3.194	.437	47
*457704	S	12.000	13.500	13.508	.750	45	470094	S	1.937	3.189	3.194	.437	47
*457734	S	4.720	6.312	6.318	.473	45	*470095	S	2.000	3.189	3.194	.437	47
*457808	S	6.500	7.627	7.633	.625	45	*470098	S	2.187	3.350	3.355	.468	47
457874	S	6.125	7.627	7.633	.625	45	*470101	S	2.375	3.350	3.355	.468	47
*457961	S	3.312	5.125	5.131	.500	45	*470101N	N	2.375	3.350	3.355	.468	47
*457991	S	7.625	9.250	9.258	.625	45	*470102N	N	2.000	3.371	3.376	.468	47
*457997	S	10.500	12.000	12.008	.625	45	*470109	S	1.562	2.750	2.754	.500	47
458009V	V	8.250	9.500	9.509	.625	45	470109N	N	1.562	2.750	2.754	.500	47
470000 SERIES							*470115	S	2.125	2.996	3.001	.500	47
470004	S	.468	1.124	1.126	.375	47	*470117	S	1.875	2.750	2.754	.500	47
470005	S	.500	1.124	1.128	.375	47	*470117H	H	1.875	2.750	2.754	.500	47
*470007	S	.562	1.124	1.128	.375	47	*470117N	N	1.875	2.750	2.754	.500	47
470009	S	.625	1.124	1.128	.375	47	470119	S	.500	.999	1.003	.375	47
*470009N	N	.625	1.124	1.128	.375	47	470120	S	1.000	1.499	1.503	.390	47
470014	S	.500	1.250	1.254	.375	47	*470120N	N	1.000	1.499	1.503	.390	47
*470016	S	.562	1.250	1.254	.375	47	*470121	S	2.125	3.189	3.194	.437	47
470018	S	.625	1.250	1.254	.375	47	*470122	S	1.437	2.623	2.627	.500	47
*470019	S	.500	1.375	1.379	.406	47	470129	S	1.312	2.062	2.066	.437	47
*470021	S	.562	1.375	1.379	.406	47	*470132	S	2.250	3.371	3.376	.468	47
470023	S	.625	1.375	1.379	.406	47	470135	S	1.375	2.125	2.129	.437	47
470025	S	.687	1.375	1.379	.406	47	*470135N	N	1.375	2.125	2.129	.437	47
470027	S	.750	1.375	1.379	.406	47	*470136	N	1.500	2.250	2.254	.500	47
*470028	S	.750	1.499	1.503	.390	47	*470137	S	.687	1.124	1.128	.375	47
*470029	S	.781	1.499	1.503	.390	47	470138V➔	V	1.937	2.686	2.690	.500	47
470032	S	.875	1.499	1.503	.390	47	*470139	S	2.187	2.996	3.001	.500	47
470033	S	.750	1.828	1.832	.437	47	*470140	S	1.250	1.752	1.756	.437	47
470034	S	.781	1.828	1.832	.437	47	*470140N	N	1.250	1.752	1.756	.437	47
*470037	S	.875	1.828	1.832	.437	47	470141	S	.750	1.250	1.254	.375	47
470039	S	.937	1.828	1.832	.437	47	*470143	S	1.562	2.561	2.565	.500	47
470041	S	1.000	1.828	1.832	.437	47	*470144	S	1.437	2.502	2.506	.500	47
470045	S	1.125	1.828	1.832	.437	47	*470152	S	1.187	2.125	2.129	.437	47
*470047	S	1.187	1.983	1.987	.437	47	*470154	S	1.687	2.502	2.506	.500	47
470049	S	1.250	1.983	1.987	.437	47	*470154H	H	1.687	2.502	2.506	.500	47
470050	S	1.281	1.983	1.987	.437	47	*470155	S	1.750	2.758	2.762	.500	47
*470051	S	1.156	2.062	2.066	.437	47	*470157	S	1.000	2.000	2.004	.437	47
*470052	S	1.187	2.062	2.066	.437	47	*470160	S	1.125	2.000	2.004	.437	47
*470053	S	1.312	2.374	2.378	.500	47	470162	S	1.187	2.000	2.004	.437	47
*470055	S	1.375	2.374	2.378	.500	47	*470162N	N	1.187	2.000	2.004	.437	47
470055N	N	1.375	2.374	2.378	.500	47	470163	S	1.250	2.000	2.004	.437	47
*470057	S	1.437	2.374	2.378	.500	47	470163V	V	1.250	2.000	2.004	.437	47
470059	S	1.500	2.374	2.378	.500	47	*470163N	N	1.250	2.000	2.004	.437	47
*470059H	H	1.500	2.374	2.378	.500	47	470165	S	1.250	2.250	2.254	.500	47
*470059N	N	1.500	2.374	2.378	.500	47	*470167	S	1.312	2.250	2.254	.500	47
*470061	S	1.375	2.437	2.441	.468	47	470169	S	1.375	2.250	2.254	.500	47
470062	S	1.437	2.437	2.441	.468	47	*470171	S	1.437	2.250	2.254	.500	47
*470063	S	1.500	2.437	2.441	.468	47	*470171H	H	1.437	2.250	2.254	.500	47
470064	S	1.562	2.437	2.441	.468	47	*470171N	N	1.437	2.250	2.254	.500	47
470066	S	1.625	2.437	2.441	.468	47	*470182	S	1.125	1.983	1.987	.437	47
*470067	S	1.500	2.502	2.506	.500	47	*470183	S	1.750	2.750	2.754	.500	47
*470069	S	1.625	2.623	2.627	.500	47	*470183N	N	1.750	2.750	2.754	.500	47
*470069H	H	1.625	2.623	2.627	.500	47	*470185	S	1.562	2.502	2.506	.500	47
*470070	S	1.750	2.623	2.627	.500	47	*470186	S	1.687	2.750	2.754	.500	47
*470071	S	1.875	2.623	2.627	.500	47	*470187	S	1.000	2.062	2.066	.437	47
*470071H	H	1.875	2.623	2.627	.500	47	470189	S	1.125	1.752	1.756	.437	47
470074	S	1.687	2.686	2.690	.500	47	470189H	H	1.125	1.752	1.756	.437	47
*470076	S	1.750	2.686	2.690	.500	47	*470189N	N	1.125	1.752	1.756	.437	47
470077	S	1.500	2.758	2.762	.500	47	470190	S	1.500	2.561	2.565	.500	47
*470080	S	1.687	2.875	2.879	.468	47	*470194	S	1.625	2.502	2.506	.500	47
*470082	S	1.875	2.875	2.879	.468	47	470195	S	.312	.999	1.003	.375	47
*470084	S	1.875	2.996	3.001	.500	47	470199	S	.437	.999	1.003	.375	47
*470085	S	2.000	2.996	3.001	.500	47	*470199N	N	.437	.999	1.003	.375	47
*470085H	H	2.000	2.996	3.001	.500	47	*470199V	V	.437	.999	1.003	.375	47
*470085N	N	2.000	2.996	3.001	.500	47	*470202	S	.562	.999	1.003	.375	47
470086	S	1.687	3.062	3.066	.500	47	*470203	S	.781	1.375	1.379	.406	47
*470087	S	1.750	3.061	3.066	.500	47	470204	S	.812	1.375	1.379	.406	47
470088	S	1.750	3.189	3.194	.437	47	*470205	S	.687	1.499	1.503	.390	47
*470090	S	1.812	3.189	3.194	.437	47	470207	S	.906	1.499	1.503	.390	47

For Illustration and Material Data See Technical Section

➔ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL[®]

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
470211	S	.750	1.624	1.628	.437	47	470358N	N	1.625	2.374	2.378	.500	47
*470212	S	.781	1.624	1.628	.437	47	*470359	S	1.750	2.996	3.001	.500	47
470215	S	.875	1.624	1.628	.437	47	*470360	S	2.000	2.686	2.690	.500	47
470219	S	1.000	1.624	1.628	.437	47	470361	S	1.750	2.561	2.565	.500	47
*470219N	N	1.000	1.624	1.628	.437	47	470361V	V	1.750	2.561	2.565	.500	47
*470222	S	.750	1.752	1.756	.437	47	470362	S	1.156	2.125	2.129	.437	47
*470223	S	.781	1.752	1.756	.437	47	*470365	S	2.125	2.875	2.879	.468	47
*470226	S	.875	1.752	1.756	.437	47	*470368V	V	1.250	2.125	2.129	.268	47
470230	S	1.000	1.752	1.756	.437	47	470380	S	1.500	2.375	2.378	.312	47
*470230H	H	1.000	1.752	1.756	.437	47	470380A	A	1.500	2.375	2.379	.312	47
*470233	S	1.000	1.874	1.878	.437	47	470380V	V	1.500	2.375	2.378	.312	47
470236	S	1.125	1.874	1.878	.437	47	*470381	S	1.125	1.624	1.628	.437	47
470241	S	1.125	2.062	2.066	.437	47	*470389	S	2.000	2.750	2.754	.500	47
*470241V	V	1.125	2.062	2.066	.437	47	*470389N	N	2.000	2.750	2.754	.500	47
470244	S	1.250	2.062	2.066	.437	47	470390	S	.750	1.874	1.878	.250	47
470245	S	1.250	2.125	2.129	.437	47	*470390N	N	.750	1.874	1.878	.250	47
*470247	S	1.312	2.125	2.129	.437	47	470394	S	1.500	2.125	2.129	.437	47
*470262	S	1.562	2.623	2.627	.500	47	*470394H	H	1.500	2.125	2.129	.437	47
*470265	S	1.687	2.623	2.627	.500	47	*470394N	N	1.500	2.125	2.129	.437	47
*470265H	H	1.687	2.623	2.627	.500	47	470398	S	.875	1.374	1.378	.406	47
*470267	S	1.812	2.623	2.627	.500	47	470403	S	1.375	2.062	2.066	.437	47
*470267V	V	1.812	2.623	2.627	.500	47	470409	S	1.937	2.412	2.416	.468	47
*470272	S	1.875	2.686	2.690	.500	47	*470410	S	2.000	2.623	2.627	.500	47
*470273	S	1.562	2.758	2.762	.500	47	*470418	S	1.562	2.875	2.879	.468	47
*470283	S	1.875	2.758	2.762	.500	47	*470424	S	.875	1.874	1.878	.437	47
*470283H	H	1.875	2.758	2.762	.500	47	*470433	S	2.250	3.125	3.130	.500	47
*470283N	N	1.875	2.758	2.762	.500	47	*470438	S	1.562	2.374	2.378	.500	47
470286	S	1.625	2.750	2.754	.500	47	*470441	S	2.250	2.996	3.001	.500	47
*470291	S	1.750	2.875	2.879	.468	47	*470441V	V	2.250	2.996	3.001	.500	47
*470298	S	1.875	3.000	3.005	.500	47	*470442V★	V	30.00	72.00	72.14	9.50	47
*470300	S	1.937	3.000	3.005	.500	47			1.181	2.835	2.840	.374	
*470301	S	2.000	3.000	3.005	.500	47	*470444	S	1.375	2.502	2.506	.500	47
*470303	S	2.125	3.000	3.005	.500	47	*470449	S	1.000	1.561	1.565	.375	47
*470303N	N	2.125	3.000	3.005	.500	47	470451	S	1.500	2.062	2.066	.437	47
*470303V	V	2.125	3.000	3.005	.500	47	*470451H	H	1.500	2.062	2.066	.437	47
*470304	S	1.875	3.061	3.066	.500	47	*470452	S	1.375	2.835	2.839	.468	47
*470308	S	2.125	3.061	3.066	.500	47	*470453	S	1.437	2.125	2.129	.437	47
470308N	N	2.125	3.061	3.066	.500	47	*470453N	N	1.437	2.125	2.129	.437	47
*470309	S	1.937	3.125	3.130	.500	47	*470455	S	1.937	2.623	2.627	.500	47
*470310	S	2.000	3.125	3.130	.500	47	470460	S	1.687	2.561	2.565	.500	47
*470312	S	2.125	3.125	3.130	.500	47	*470461	S	1.500	2.750	2.754	.500	47
*470312N	N	2.125	3.125	3.130	.500	47	*470463	S	1.375	2.750	2.754	.500	47
*470314	S	2.125	3.251	3.256	.500	47	*470479	S	1.687	2.437	2.441	.468	47
*470314N	N	2.125	3.251	3.256	.500	47	*470481	S	1.250	2.437	2.441	.468	47
*470315	S	2.187	3.251	3.256	.500	47	470487	S	1.500	2.686	2.690	.500	47
*470316	S	2.250	3.251	3.256	.500	47	470487N	N	1.500	2.686	2.690	.500	47
*470317	S	2.312	3.251	3.256	.500	47	*470489	S	2.187	2.875	2.879	.468	47
*470320	S	2.375	3.189	3.194	.437	47	*470494	S	1.750	2.502	2.506	.375	47
*470322	S	2.437	3.251	3.256	.500	47	*470494N	N	1.750	2.502	2.506	.375	47
*470326	S	1.500	2.996	3.001	.500	47	*470496	S	2.500	3.350	3.355	.468	47
470328	S	1.187	1.686	1.690	.375	47	470503	S	1.312	2.437	2.441	.468	47
*470330	S	2.500	3.371	3.376	.468	47	*470504	S	1.375	2.623	2.627	.500	47
*470330N	N	2.500	3.371	3.376	.468	47	470506	S	.718	1.250	1.254	.375	47
470331N	N	1.843	2.750	2.754	.500	47	470515	S	.812	1.561	1.565	.375	47
470334	S	1.750	2.686	2.690	.375	47	*470519	S	2.500	3.251	3.256	.500	47
470336	S	1.187	2.250	2.254	.500	47	*470519N	S	2.500	3.251	3.256	.500	47
470340	S	.750	1.561	1.565	.375	47	*470520	S	2.250	3.000	3.005	.500	47
470342	S	1.062	1.983	1.987	.437	47	*470520N	N	2.250	3.000	3.005	.500	47
*470344	S	1.187	1.828	1.832	.437	47	*470521	S	1.312	1.874	1.878	.437	47
470347	S	1.187	2.437	2.441	.468	47	*470522	S	1.375	2.000	2.004	.437	47
*470350	S	2.375	3.371	3.376	.468	47	*470523	S	1.500	2.875	2.879	.468	47
470351	S	1.750	2.437	2.441	.468	47	*470524	S	1.875	3.371	3.376	.468	47
*470352	S	1.750	2.502	2.506	.500	47	470530	S	2.000	2.996	3.001	.375	47
*470352H	H	1.750	2.502	2.506	.500	47	470530V	V	2.000	2.996	3.001	.375	47
470354	S	2.187	3.189	3.194	.437	47	470541	S	1.000	1.752	1.756	.375	47
*470355	S	.687	1.250	1.254	.375	47	*470541N	N	1.000	1.752	1.756	.375	47
470358	S	1.625	2.374	2.378	.500	47	470543	S	2.000	2.716	2.720	.468	47
*470358H	H	1.625	2.374	2.378	.500	47	470547	S	2.882	3.431	3.436	.291	47

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
470548	S	1.500	2.250	2.254	.375	47	*470791N	N	.625	1.124	1.128	.312	47
*470552	S	2.375	3.125	3.130	.500	47	470806	S	1.250	2.835	2.839	.468	47
*470552H	H	2.375	3.125	3.130	.500	47	470808	S	1.437	2.750	2.754	.500	47
*470552N	N	2.375	3.125	3.130	.500	47	*470824★	S	50.00	70.00	70.10	9.00	47
470553	S	1.000	1.499	1.503	.312	47			1.969	2.756	2.760	.354	
*470553H	H	1.000	1.499	1.503	.312	47	*470825	S	2.375	3.623	3.628	.375	47
*470553N	N	1.000	1.499	1.503	.312	47	*470856★	S	50.00	65.00	65.15	8.00	47
470557	S	.625	1.377	1.381	.406	47			1.969	2.559	2.565	.315	
*470559	S	1.250	2.374	2.378	.500	47	*470867	S	2.125	2.875	2.879	.437	47
*470561	S	1.312	2.000	2.004	.375	47	*470867H	H	2.125	2.875	2.879	.437	47
470565	S	2.375	3.125	3.130	.375	47	*470867N	N	2.125	2.875	2.879	.437	47
*470565N	N	2.375	3.125	3.130	.375	47	*470877	S	.875	1.575	1.579	.250	47
*470565V	V	2.375	3.125	3.130	.375	47							
470567	S	.875	1.375	1.379	.312	47	470895	S	.750	1.375	1.379	.312	47
*470567H	H	.875	1.375	1.379	.312	47	470898	S	2.125	2.875	2.879	.375	47
*470567N	N	.875	1.375	1.379	.312	47	470898V	V	2.125	2.875	2.879	.375	45
*470567V	V	.875	1.375	1.379	.312	47	470898A	A	2.125	2.875	2.879	.375	47
*470574	S	2.375	3.251	3.256	.500	47	*470898N	N	2.125	2.875	2.879	.375	47
*470574N	N	2.375	3.251	3.256	.500	47	*470903	S	1.562	2.502	2.506	.375	47
470588	S	.812	1.575	1.579	.375	47	*470929	S	1.750	2.374	2.378	.500	47
470590	S	.875	1.752	1.756	.250	47	470946	S	1.187	2.686	2.690	.500	47
470592	S	.812	1.499	1.503	.312	47	470950	S	1.375	2.437	2.441	.375	47
470593	S	1.000	1.828	1.832	.296	47	470954	S	.750	1.250	1.254	.250	47
470596	S	1.687	2.835	2.839	.468	47	470954A	A	.750	1.250	1.254	.250	47
470596V	V	1.687	2.835	2.839	.468	47	*470954H	H	.750	1.250	1.254	.250	47
470601	S	.781	1.250	1.254	.250	47	*470954N	N	.750	1.250	1.254	.250	47
470604	S	1.125	2.250	2.254	.500	47	470954V	V	.750	1.250	1.254	.250	47
470605	S	2.500	3.371	3.376	.375	47	*470961	S	2.562	3.371	3.376	.468	47
470606	S	1.062	1.686	1.690	.375	47	*470972	S	2.125	3.371	3.376	.468	47
*470610	S	.750	1.874	1.878	.437	47	*470975	S	.625	1.499	1.503	.390	47
470625	S	1.500	2.250	2.254	.312	47	470987	S	2.375	3.481	3.486	.437	47
470625A	A	1.500	2.250	2.254	.312	47	*470988	S	2.375	3.061	3.066	.500	47
*470625N	N	1.500	2.250	2.254	.312	47	*470988N	N	2.375	3.061	3.066	.500	47
470625V	V	1.500	2.250	2.254	.312	47	470989	S	1.375	3.000	3.005	.500	47
*470639	S	2.125	2.835	2.839	.468	47	*470991N	N	1.500	2.062	2.066	.375	47
*470642	S	1.125	2.000	2.004	.500	47	*471001	S	1.062	1.750	1.754	.375	47
470645	S	.875	2.000	2.004	.437	47	471015	S	.937	1.375	1.379	.312	47
*470650	S	.562	1.000	1.004	.312	47	*471016	S	1.562	2.125	2.129	.437	47
*470652	S	1.250	2.000	2.004	.375	47	471024	S	.625	1.624	1.628	.437	47
470672	S	1.399	2.250	2.254	.250	47	*471031	S	.781	1.378	1.382	.406	47
470680	S	.875	1.499	1.503	.312	47	*471060	S	1.125	2.125	2.129	.437	47
*470681	S	2.187	3.125	3.130	.500	47	471076	S	1.031	1.575	1.579	.312	47
470682	S	1.562	2.623	2.627	.312	47	471076V	V	1.031	1.575	1.579	.312	47
*470683	S	1.250	1.874	1.878	.375	47	471076V	V	1.031	1.575	1.579	.312	47
*470684	S	1.562	2.441	2.445	.500	47	*471078	S	1.875	3.251	3.256	.500	47
470687	S	1.687	3.125	3.130	.500	47	*471084	S	1.562	2.250	2.254	.500	47
*470687N	N	1.687	3.125	3.130	.500	47	*471091	S	2.000	3.062	3.066	.500	47
*470706	S	1.250	1.979	1.983	.375	47	*471091N	N	2.000	3.062	3.066	.500	47
470712	S	1.125	1.874	1.878	.250	47	471100	S	1.125	1.624	1.628	.312	47
470712A	A	1.125	1.874	1.878	.250	47	*471100N	N	1.125	1.624	1.628	.312	47
*470712N	N	1.125	1.874	1.878	.250	47	471103	S	.375	.999	1.004	.250	47
470712V	V	1.125	1.874	1.878	.250	47	471105	S	1.375	2.875	2.879	.468	47
*470719	S	1.750	3.000	3.005	.500	47	*471122	S	1.750	2.437	2.441	.375	47
*470719H	H	1.750	3.000	3.005	.500	47	*471131	S	1.375	2.374	2.378	.375	47
*470720	S	1.875	3.125	3.130	.500	47	*471131N	N	1.375	2.374	2.378	.375	47
470737	S	2.250	3.189	3.194	.437	47	*471133	S	1.125	1.752	1.756	.375	47
470737N	N	2.250	3.189	3.194	.437	47	*471136	S	1.375	2.248	2.252	.375	47
*470746	S	1.437	2.686	2.690	.500	47	471137	S	.875	1.828	1.832	.375	47
*470751	S	1.562	2.686	2.690	.500	47	471138	S	2.250	3.125	3.130	.375	47
*470755	S	1.625	2.250	2.254	.500	47	*471139	S	1.875	3.000	3.005	.375	47
470764	S	2.375	2.996	3.001	.500	47	471141	S	1.750	2.875	2.879	.375	47
470774	S	1.375	2.062	2.066	.375	47	471141V	V	1.750	2.875	2.879	.375	47
*470774N	N	1.375	2.062	2.066	.375	47	*471143N	N	2.625	3.251	3.256	.437	47
470774V	V	1.375	2.062	2.066	.375	47	*471150	S	1.625	2.374	2.378	.375	47
*470776	S	1.375	2.686	2.690	.500	47	471169	S	1.750	2.411	2.415	.380	47
*470783	S	1.843	2.502	2.506	.500	47	471169N	N	1.750	2.411	2.415	.380	47
*470791	S	.625	1.124	1.128	.312	47	*471171	S	.984	1.500	1.504	.312	47
*470791H	H	.625	1.124	1.128	.312	47	471192	S	1.375	2.125	2.129	.312	47
							471192V	V	1.375	2.125	2.129	.312	47

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
*471192N	N	1.375	2.125	2.129	.312	47	471413A	A	1.250	1.752	1.756	.250	47
471193	S	1.301	2.000	2.004	.437	47	*471413N	N	1.250	1.752	1.756	.250	47
471193N	N	1.301	2.000	2.004	.437	47	471413V	V	1.250	1.752	1.756	.250	47
471195	S	1.937	2.502	2.506	.375	47	471419	S	1.625	2.437	2.441	.375	47
*471211	S	.493	1.000	1.004	.250	47	471424	S	2.000	2.623	2.627	.312	47
471224	S	1.000	1.499	1.503	.250	47	471424A	A	2.000	2.623	2.627	.312	47
471224A	A	1.000	1.499	1.503	.250	47	471424V	V	2.000	2.623	2.627	.312	47
*471224N	N	1.000	1.499	1.503	.250	47	471442	S	.500	.999	1.003	.250	47
471224V	V	1.000	1.499	1.503	.250	47	471442A	A	.500	.999	1.003	.250	47
471231	S	.812	1.375	1.379	.312	47	*471442H	H	.500	.999	1.003	.250	47
471231V	V	.812	1.375	1.379	.312	47	*471442N	N	.500	.999	1.003	.250	47
*471246	S	1.250	1.874	1.878	.437	47	471442V	V	.500	.999	1.003	.250	47
471255	S	.625	1.375	1.379	.250	47	471443	S	.781	1.375	1.379	.250	47
471255A	A	.625	1.375	1.379	.250	47	*471443N	N	.781	1.375	1.379	.250	47
471255V	V	.625	1.375	1.379	.250	47	*471456	S	1.187	1.874	1.878	.437	47
471264	S	.625	1.250	1.254	.250	47	*471463	S	1.875	2.835	2.839	.468	47
471264V	V	.625	1.250	1.254	.250	47	*471464H	H	1.125	2.000	2.004	.312	47
471264A	A	.625	1.250	1.254	.250	47	471465	S	1.000	1.689	1.693	.250	47
471267	S	.875	1.375	1.379	.250	47	471466	S	.625	1.124	1.128	.250	47
471267A	A	.875	1.375	1.379	.250	47	471466A	A	.625	1.124	1.128	.250	47
*471267H	H	.875	1.375	1.379	.250	47	*471466N	N	.625	1.124	1.128	.250	47
*471267T	T	.875	1.375	1.379	.250	47	471466V	V	.625	1.124	1.128	.250	47
471267V	V	.875	1.375	1.379	.250	47	471472	S	.500	1.250	1.254	.250	47
471268	S	1.375	2.000	2.004	.375	47	471472V	V	.500	1.250	1.254	.250	47
471268N	N	1.375	2.000	2.004	.375	47	*471475	S	2.625	3.543	3.548	.500	47
*471268V	V	1.375	2.000	2.004	.375	47	*471490	S	.500	1.000	1.004	.250	47
471270	S	1.000	1.561	1.565	.250	47	471498	S	.750	1.575	1.579	.312	47
471270V	V	1.000	1.561	1.565	.250	47	*471498H	H	.750	1.575	1.579	.312	47
471271	S	2.500	3.251	3.256	.375	47	471504	S	1.750	2.437	2.441	.312	47
471271A	A	2.500	3.251	3.256	.375	47	471504V	V	1.750	2.437	2.441	.312	47
471271V	V	2.500	3.251	3.256	.375	47	*471507	S	1.500	2.252	2.256	.375	47
471272	S	2.250	3.000	3.005	.375	47	*471507N	N	1.500	2.252	2.256	.375	47
*471272H	H	2.250	3.000	3.005	.375	47	*471509	S	2.500	3.250	3.256	.437	47
471272N	N	2.250	3.000	3.005	.375	47	*471509V	V	2.500	3.250	3.256	.437	47
471272V	V	2.250	3.000	3.005	.375	47	471516	S	1.000	2.441	2.445	.375	47
471276	S	1.375	2.441	2.445	.375	47	471526	S	.500	1.124	1.128	.250	47
*471276N	N	1.375	2.441	2.445	.375	47	471526V	V	.500	1.124	1.128	.250	47
471276V	V	1.375	2.441	2.445	.375	47	471526A	A	.500	1.124	1.128	.250	47
471281	S	.562	1.124	1.128	.250	47	471529	S	.687	1.124	1.128	.250	47
*471288	S	1.750	2.374	2.378	.375	47	471530	S	.531	1.124	1.128	.312	47
*471288N	N	1.750	2.374	2.378	.375	47	471532	S	.593	1.124	1.128	.312	47
*471289	S	1.625	2.251	2.256	.375	47	471535	S	.562	1.250	1.254	.250	47
*471291V	V	.625	1.181	1.185	.350	47	471538	S	.687	1.250	1.254	.250	47
*471294	S	.500	1.124	1.128	.312	47	471539	S	.812	1.250	1.254	.250	47
*471297	S	.687	1.125	1.129	.312	47	*471540	S	.781	1.250	1.254	.375	47
*471297N	N	.687	1.125	1.129	.312	47	471540V	V	.781	1.250	1.254	.375	47
*471308	S	1.500	2.374	2.378	.375	47	471549	S	.500	1.375	1.379	.250	47
*471315	S	.562	.999	1.003	.250	47	471551	S	.562	1.375	1.379	.250	47
471316	S	1.562	2.686	2.690	.375	47	471553	S	.687	1.375	1.379	.250	47
*471324	S	.625	1.375	1.379	.312	47	471554	S	.750	1.375	1.379	.250	47
471337	S	.781	1.752	1.756	.312	47	471554A	A	.750	1.375	1.379	.250	47
*471338	S	2.187	3.000	3.005	.500	47	*471554N	N	.750	1.375	1.379	.250	47
471341	S	2.250	2.996	3.001	.437	47	471554V	V	.750	1.375	1.379	.250	47
*471341H	H	2.250	2.996	3.001	.437	47	471555	S	.500	1.375	1.379	.312	47
471341N	N	2.250	2.996	3.001	.437	47	471558	S	.593	1.375	1.379	.312	47
471344	S	1.500	2.441	2.445	.375	47	*471559	S	.687	1.375	1.379	.312	47
*471353★	S	30.00	62.00	62.10	9.50	47	*471560	S	.781	1.375	1.379	.312	47
471354	S	1.187	2.062	2.066	.250	47	471564	S	.625	1.499	1.503	.250	47
*471376	S	2.250	3.500	3.505	.375	47	471567	S	.750	1.499	1.503	.250	47
471379	S	1.375	3.150	3.154	.375	47	471570	S	.875	1.499	1.503	.250	47
*471385	S	.750	1.983	1.987	.437	47	471570V	V	.875	1.499	1.503	.250	47
471391	S	1.937	3.125	3.130	.375	47	471571	S	.937	1.499	1.503	.250	47
*471394	S	2.312	3.251	3.256	.375	47	471571V	V	.937	1.499	1.503	.250	47
471405	S	1.437	3.000	3.005	.500	47	*471577	S	.625	1.499	1.503	.312	47
471407	S	1.250	2.441	2.445	.375	47	471579	S	.687	1.499	1.503	.312	47
*471410	S	1.687	2.328	2.332	.437	47	*471580	S	.750	1.499	1.503	.312	47
471413	S	1.250	1.752	1.756	.250	47	*471581	S	.781	1.499	1.503	.312	47

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
471612	S	.625	1.575	1.579	.312	47	471760	S	1.000	2.000	2.004	.250	47
*471618	S	1.000	1.575	1.579	.312	47	471760A	A	1.000	2.000	2.004	.250	47
471619	S	1.000	2.062	2.066	.250	47	471760V	V	1.000	2.000	2.004	.250	47
471633	S	.875	1.577	1.581	.250	47	471762	S	1.062	2.000	2.004	.250	47
*471633N	N	.875	1.577	1.581	.250	47	471763	S	1.125	2.000	2.004	.250	47
471642	S	.687	1.624	1.628	.250	47	471763A	A	1.125	2.000	2.004	.250	47
471643	S	.750	1.624	1.628	.250	47	471763V	V	1.125	2.000	2.004	.250	47
471645	S	.812	1.624	1.628	.250	47	471764	S	1.156	2.000	2.004	.250	47
471645V	V	.812	1.624	1.628	.250	47	471765	S	1.187	2.000	2.004	.250	47
471646	S	.875	1.624	1.628	.250	47	*471765N	N	1.187	2.000	2.004	.250	47
471647	S	.937	1.624	1.628	.250	47	471766	S	1.250	2.000	2.004	.250	47
471648	S	.968	1.624	1.628	.250	47	471766A	A	1.250	2.000	2.004	.250	47
471649	S	1.000	1.624	1.628	.250	47	471766V	V	1.250	2.000	2.004	.250	47
471649A	A	1.000	1.624	1.628	.250	47	*471770	S	1.000	2.000	2.004	.375	47
471649V	V	1.000	1.624	1.628	.250	47	471772	S	1.062	2.000	2.004	.375	47
471651	S	1.062	1.624	1.628	.250	47	*471781N	N	1.250	2.031	2.035	.375	47
471652	S	1.125	1.624	1.628	.250	47	471785	S	1.125	2.062	2.066	.250	47
471652A	A	1.125	1.624	1.628	.250	47	*471785V	V	1.125	2.062	2.066	.250	47
*471652H	H	1.125	1.624	1.628	.250	47	471787	S	1.250	2.062	2.066	.250	47
*471652N	N	1.125	1.624	1.628	.250	47	471787V	V	1.250	2.062	2.066	.250	47
471652V	V	1.125	1.624	1.628	.250	47	471787A	A	1.250	2.062	2.066	.250	47
471653	S	.625	1.624	1.628	.312	47	471795	S	1.250	2.125	2.129	.250	47
*471656	S	.750	1.624	1.628	.312	47	471795V	V	1.250	2.125	2.129	.250	47
*471656H	H	.750	1.624	1.628	.312	47	471795N	N	1.250	2.125	2.129	.250	47
*471659	S	.875	1.624	1.628	.312	47	471801	S	1.250	2.252	2.256	.375	47
*471660	S	.937	1.624	1.628	.312	47	*471801H	H	1.250	2.252	2.256	.375	47
*471662	S	1.000	1.624	1.628	.312	47	471808	S	1.250	2.374	2.378	.375	47
471684	S	.750	1.752	1.756	.250	47	*471809	S	1.437	2.374	2.378	.375	47
471686	S	.812	1.752	1.756	.250	47	*471810	S	1.562	2.374	2.378	.375	47
471688	S	.968	1.752	1.756	.250	47	*471810V	V	1.562	2.374	2.378	.375	47
471689	S	1.000	1.752	1.756	.250	47	*471812	S	1.687	2.374	2.378	.375	47
471689A	A	1.000	1.752	1.756	.250	47	471817	S	1.812	2.437	2.441	.468	47
471689V	V	1.000	1.752	1.756	.250	47	471818	S	1.250	2.437	2.441	.375	47
471692	S	1.125	1.752	1.756	.250	47	471820	S	1.500	2.437	2.441	.375	47
471692V	V	1.125	1.752	1.756	.250	47	471821	S	1.562	2.437	2.441	.375	47
471692A	A	1.125	1.752	1.756	.250	47	*471821H	H	1.562	2.437	2.441	.375	47
*471692N	N	1.125	1.752	1.756	.250	47	471827	S	1.562	2.441	2.445	.375	47
*471695	S	.625	1.752	1.756	.312	47	471829	S	1.625	2.441	2.445	.375	47
471698	S	.750	1.752	1.756	.312	47	471829V	V	1.625	2.441	2.445	.375	47
*471700	S	.875	1.752	1.756	.312	47	471831	S	1.750	2.441	2.445	.375	47
*471702	S	.968	1.752	1.756	.312	47	*471831H	H	1.750	2.441	2.445	.375	47
*471703	S	1.000	1.752	1.756	.312	47	*471831N	N	1.750	2.441	2.445	.375	47
471705	S	1.062	1.752	1.756	.312	47	*471831V	V	1.750	2.441	2.445	.375	47
*471706	S	1.125	1.752	1.756	.312	47	471833	S	1.250	2.502	2.506	.375	47
*471706N	N	1.125	1.752	1.756	.312	47	471835	S	1.375	2.502	2.506	.375	47
471707	S	1.156	1.752	1.756	.312	47	*471837	S	1.500	2.502	2.506	.375	47
471707N	N	1.156	1.752	1.756	.312	47	*471839	S	1.625	2.502	2.506	.375	47
471709	S	1.250	1.752	1.756	.312	47	*471839H	H	1.625	2.502	2.506	.375	47
*471709H	H	1.250	1.752	1.756	.312	47	*471839N	N	1.625	2.502	2.506	.375	47
*471709N	N	1.250	1.752	1.756	.312	47	471841	S	1.843	2.502	2.506	.375	47
*471709V	V	1.250	1.752	1.756	.312	47	471845N	N	1.250	2.561	2.565	.500	47
*471718	S	1.062	1.752	1.756	.375	47	*471847	S	1.375	2.561	2.565	.500	47
471729	S	.812	1.874	1.878	.250	47	471847N	N	1.375	2.561	2.565	.500	47
471730	S	.875	1.874	1.878	.250	47	*471853	S	1.875	2.561	2.565	.500	47
471733	S	1.000	1.874	1.878	.250	47	471854	S	1.937	2.561	2.565	.500	47
*471733N	N	1.000	1.874	1.878	.250	47	471862	S	1.437	2.686	2.690	.375	47
471735	S	1.062	1.874	1.878	.250	47	471866	S	1.812	2.686	2.690	.375	47
*471735H	H	1.062	1.874	1.878	.250	47	*471866N	N	1.812	2.686	2.690	.375	47
471736	S	1.156	1.874	1.878	.250	47	471868	S	1.875	2.686	2.690	.375	47
471737	S	1.250	1.874	1.878	.250	47	471869	S	1.937	2.686	2.690	.375	47
471737V	V	1.250	1.874	1.878	.250	47	*471869N	N	1.937	2.686	2.690	.375	47
471744	S	1.000	1.983	1.987	.250	47	471870	S	2.000	2.686	2.690	.375	47
471747	S	1.125	1.983	1.987	.250	47	471883	S	2.000	2.686	2.690	.437	47
*471749	S	1.187	1.983	1.987	.250	47	471887	S	2.437	3.125	3.130	.375	47
471750	S	1.250	1.983	1.987	.250	47	*471887H	H	2.437	3.125	3.130	.375	47
471750A	A	1.250	1.983	1.987	.250	47	*471887N	N	2.437	3.125	3.130	.375	47
471750V	V	1.250	1.983	1.987	.250	47	471904	S	1.312	2.835	2.839	.468	47
*471755	S	1.312	1.983	1.987	.437	47	471915	S	1.500	2.835	2.839	.468	47

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
471923N	N	1.625	2.875	2.879	.437	47	472234	S	2.187	2.996	3.001	.375	47
*471936	S	1.875	2.875	2.879	.437	47	*472236H	H	2.116	3.189	3.194	.468	47
*471940	S	1.937	2.875	2.879	.437	47	*472237	S	.781	1.850	1.854	.375	47
*471943	S	2.000	2.835	2.839	.468	47	472238	S	.968	2.440	2.445	.375	47
*471944	S	2.000	2.875	2.879	.437	47	472239	S	1.156	2.834	2.839	.375	47
*471949	S	2.125	2.750	2.754	.500	47	*472246	S	1.750	2.374	2.378	.437	47
*471949H	H	2.125	2.750	2.754	.500	47	472258	S	1.375	2.000	2.004	.312	47
*471949N	N	2.125	2.750	2.754	.500	47	472258A	A	1.375	2.000	2.004	.312	47
471950	S	2.125	2.758	2.762	.437	47	*472258N	N	1.375	2.000	2.004	.312	47
*471950H	H	2.125	2.758	2.762	.437	47	472258V	V	1.375	2.000	2.004	.312	47
*471950N	N	2.125	2.758	2.762	.437	47	472287	S	1.375	2.106	2.110	.312	47
471952	S	2.187	2.835	2.839	.468	47	472299	S	1.562	2.374	2.378	.312	47
*471953	S	2.187	2.875	2.879	.437	47	472299V	V	1.562	2.374	2.378	.312	47
471958	S	1.500	3.000	3.005	.375	47	472311	S	1.000	1.437	1.441	.250	47
471981	S	1.687	3.000	3.005	.375	47	472311V	V	1.000	1.437	1.441	.250	47
471984	S	1.750	3.000	3.005	.375	47	472319	S	1.937	2.623	2.627	.312	47
*471984N	N	1.750	3.000	3.005	.375	47	*472319V	V	1.937	2.623	2.627	.312	47
*472005	S	1.875	3.125	3.130	.375	47	472324	S	.984	1.499	1.503	.250	47
*472008	S	2.000	2.996	3.001	.437	47	472324A	A	.984	1.499	1.503	.250	47
*472009	S	2.000	3.000	3.005	.375	47	*472324H	H	.984	1.499	1.503	.250	47
*472009N	N	2.000	3.000	3.005	.375	47	472324V	V	.984	1.499	1.503	.250	47
*472010	S	2.000	3.125	3.130	.375	47	*472331	S	2.000	2.623	2.627	.375	47
472012	S	2.062	3.000	3.005	.375	47	472341	S	2.000	2.742	2.746	.375	47
472015	S	2.125	3.000	3.005	.375	47	*472341N	N	2.000	2.742	2.746	.375	47
*472015N	N	2.125	3.000	3.005	.375	47	472350	S	1.187	2.165	2.169	.250	47
472015V	V	2.125	3.000	3.005	.375	47	472354	S	1.375	1.874	1.878	.250	47
472016	S	2.125	3.125	3.130	.375	47	472354V	V	1.375	1.874	1.878	.250	47
*472017	S	2.187	2.996	3.001	.437	47	*472361	S	.750	2.374	2.378	.375	47
472018	S	2.187	3.000	3.005	.375	47	472394	S	1.937	3.000	3.005	.312	47
*472018N	N	2.187	3.000	3.005	.375	47	472397	S	2.000	3.000	3.005	.312	47
*472018V	V	2.187	3.000	3.005	.375	47	472397V	V	2.000	3.000	3.005	.312	47
*472019	S	2.187	3.062	3.066	.500	47	472409	S	2.125	3.189	3.194	.375	47
472020	S	2.187	3.125	3.130	.375	47	*472409N	N	2.125	3.189	3.194	.375	47
472029	S	2.500	3.189	3.194	.375	47	*472409V	V	2.125	3.189	3.194	.375	47
*472035	S	2.187	3.371	3.376	.468	47	472419	S	1.625	2.116	2.120	.312	47
472041	S	1.875	2.502	2.506	.375	47	*472419N	N	1.625	2.116	2.120	.312	47
*472041N	N	1.875	2.502	2.506	.375	47	472432	S	1.187	2.441	2.445	.375	47
*472065	S	.864	1.375	1.379	.250	47	472439	S	1.875	2.623	2.627	.312	47
*472065N	N	.864	1.375	1.379	.250	47	472439A	A	1.875	2.623	2.627	.312	47
472070	S	1.812	2.623	2.627	.375	47	472439V	V	1.875	2.623	2.627	.312	47
472082	S	2.000	2.880	2.884	.375	47	472446	S	1.500	3.150	3.155	.500	47
*472082N	N	2.000	2.880	2.884	.375	47	472452	S	.843	1.374	1.378	.312	47
*472083	S	1.375	2.000	2.004	.300	47	472466	S	1.500	2.048	2.052	.375	47
*472129	S	.750	1.263	1.267	.250	47	472467	S	.500	1.378	1.382	.406	47
*472137	S	.625	2.047	2.051	.312	47	*472473	S	3.375	4.376	4.381	.375	47
472138	S	1.000	2.047	2.051	.312	47	*472473H	H	3.375	4.376	4.381	.375	47
*472138N	N	1.000	2.047	2.051	.312	47	472475	S	1.187	1.874	1.878	.250	47
472144	S	1.937	2.875	2.879	.312	47	472492	S	2.000	2.750	2.754	.312	47
*472146	S	.625	2.441	2.445	.375	47	472492V	V	2.000	2.750	2.754	.312	47
472150	S	2.312	3.125	3.130	.375	47	472492A	A	2.000	2.750	2.754	.312	47
*472150N	N	2.312	3.125	3.130	.375	47	*472492N	N	2.000	2.750	2.754	.312	47
*472150V	V	2.312	3.125	3.130	.375	47	*472523	S	1.125	1.874	1.878	.375	47
472157	S	4.250	5.251	5.256	.375	47	472535	S	1.125	2.533	2.537	.250	47
472164	S	1.750	2.502	2.506	.312	47	472536	S	1.250	2.877	2.881	.250	47
472164A	A	1.750	2.502	2.506	.312	47	472538	S	.750	2.127	2.131	.250	47
472164V	V	1.750	2.502	2.506	.312	47	472539	S	1.000	2.533	2.537	.250	47
472179	S	1.750	2.750	2.754	.312	47	472554	S	1.500	1.983	1.987	.437	47
472179V	V	1.750	2.750	2.754	.312	47	472560N	N	1.125	1.561	1.565	.250	47
472179A	A	1.750	2.750	2.754	.312	47	*472560V	V	1.125	1.561	1.565	.250	47
*472184★	S	25.00	52.00	52.10	7.90	47	472572	S	1.875	2.750	2.754	.312	47
		.984	2.047	2.051	.311		*472579	S	2.062	2.875	2.879	.375	47
472185	S	1.750	2.623	2.627	.312	47	*472591	S	1.500	2.328	2.332	.437	47
472185V	V	1.750	2.623	2.627	.312	47	472635	S	1.552	2.502	2.506	.500	47
472189A★	S	1.500	2.377	2.381	.500	47	*472635N	N	1.552	2.502	2.506	.500	47
472193	S	1.750	2.561	2.566	.312	47	472636	S	2.250	3.251	3.256	.375	47
*472207	S	.625	1.624	1.628	.489	47	*472636V	V	2.250	3.251	3.256	.375	47
472213	S	1.562	2.250	2.254	.312	47	472642	S	1.375	2.047	2.051	.312	47
472222	S	1.531	2.374	2.379	.375	47	472642V	V	1.375	2.047	2.051	.312	47

For Illustration and Material Data See Technical Section

★ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
472644	S	1.125	2.047	2.051	.312	47	473213	S	1.312	2.374	2.378	.312	47
472644V	V	1.125	2.047	2.051	.312	47	473214	S	1.375	2.250	2.254	.312	47
472649	S	.750	2.047	2.051	.312	47	473214V	V	1.375	2.250	2.254	.312	47
*472650	S	.812	1.750	1.754	.312	47	473214A	A	1.375	2.250	2.254	.312	47
*472651	S	1.250	3.150	3.155	.375	47	473215	S	1.375	2.374	2.378	.312	47
472651V	V	1.250	3.150	3.155	.375	47	473224	S	1.437	2.125	2.129	.312	47
472653	S	2.000	2.835	2.839	.375	47	473225	S	1.437	2.374	2.378	.312	47
472653V	V	2.000	2.835	2.839	.375	47	473226	S	1.437	2.502	2.506	.312	47
472655	S	1.437	2.312	2.316	.375	47	473227	S	1.500	2.125	2.129	.312	47
472658	S	1.375	2.835	2.839	.375	47	*473227N	N	1.500	2.125	2.129	.312	47
*472658V	V	1.375	2.835	2.839	.375	47	473227V	V	1.500	2.125	2.129	.312	47
472660	S	1.656	2.937	2.941	.375	47	473228	S	1.500	2.502	2.506	.312	47
472674	S	1.125	1.983	1.987	.375	47	473228V	V	1.500	2.502	2.506	.312	47
472681	S	1.125	2.441	2.445	.375	47	*473228N	N	1.500	2.502	2.506	.312	47
472681V	V	1.125	2.441	2.445	.375	47	473229	S	1.562	2.502	2.506	.312	47
472705	S	.562	1.000	1.004	.250	47	473230	S	1.625	2.250	2.254	.312	47
472705V	V	.562	1.000	1.004	.250	47	473231	S	1.625	2.374	2.378	.312	47
472747	S	1.875	2.470	2.475	.437	47	473231V	V	1.625	2.374	2.378	.312	47
*472758	S	1.625	2.502	2.506	.250	47	473231A	A	1.625	2.374	2.378	.312	47
*472758N	N	1.625	2.502	2.506	.250	47	473232	S	1.625	2.623	2.627	.312	47
472758V	V	1.625	2.502	2.506	.250	47	473233	S	1.687	2.374	2.378	.312	47
472810	S	.437	.875	.880	.250	47	473234	S	1.687	2.502	2.506	.312	47
472826	S	1.312	2.062	2.066	.312	47	473235	S	1.687	2.623	2.627	.312	47
472843	S	1.375	2.623	2.627	.375	47	473236	S	1.687	2.750	2.754	.312	47
472856	S	2.375	3.350	3.355	.438	47	473237	S	1.750	2.374	2.378	.312	47
*472857H	H	2.000	2.625	2.630	.375	47	473237V	V	1.750	2.374	2.378	.312	47
472878	S	.735	1.248	1.252	.250	47	473238	S	1.875	2.875	2.879	.312	47
*472916	S	2.250	3.189	3.194	.375	47	473238V	V	1.875	2.875	2.879	.312	47
*472920	S	2.250	3.371	3.376	.375	47	473239	S	1.875	3.000	3.005	.312	47
472924	S	2.000	2.875	2.879	.312	47	473240	S	1.875	3.125	3.130	.312	47
472924V	V	2.000	2.875	2.879	.312	47	473241	S	1.937	2.750	2.754	.312	47
*472928	S	2.062	3.189	3.194	.375	47	473242	S	2.000	3.125	3.130	.312	47
*472940	S	2.187	3.189	3.194	.375	47	*473242V	V	2.000	3.125	3.130	.312	47
472950	S	.812	2.441	2.445	.375	47	473243	S	2.125	3.251	3.256	.375	47
472951	S	.937	1.750	1.754	.312	47	473244	S	2.187	2.875	2.879	.375	47
472953	S	1.062	2.835	2.839	.375	47	473245	S	2.187	3.251	3.256	.375	47
472953V	V	1.062	2.835	2.839	.375	47	*473246	S	2.375	3.251	3.256	.375	47
472954	S	1.125	2.835	2.839	.375	47	*473247	S	2.375	3.371	3.376	.375	47
472954V	V	1.125	2.835	2.839	.375	47	*473248	S	2.625	3.371	3.376	.375	47
473010	S	1.625	2.502	2.506	.312	47	473258	S	1.375	2.561	2.565	.375	47
473010V	V	1.625	2.502	2.506	.312	47	473259	S	1.125	2.441	2.445	.250	47
473010A	A	1.625	2.502	2.506	.312	47	*473259V	V	1.125	2.441	2.445	.250	47
473010N	N	1.625	2.502	2.506	.312	47	473274	S	2.500	3.428	3.433	.375	47
473016	S	1.437	2.250	2.254	.312	47	473274N	N	2.500	3.428	3.433	.375	47
*473016N	N	1.437	2.250	2.254	.312	47	*473285V	V	.875	1.750	1.754	.312	47
*473049V★	V	30.00	62.00	62.10	7.00	47	*473304	S	1.375	2.082	2.087	.312	47
		1.181	2.441	2.445	.276		473313	S	1.750	3.061	3.066	.375	47
*473056	S	1.552	2.623	2.627	.500	47	473317	S	1.687	2.328	2.332	.312	47
*473056N	N	1.552	2.623	2.627	.500	47	*473317N	N	1.687	2.328	2.332	.312	47
473096	S	.375	.875	.880	.250	47	473336	S	1.718	2.561	2.565	.500	47
473117	S	1.625	2.328	2.332	.437	47	473367	S	1.625	2.437	2.441	.312	47
*473117N	N	1.625	2.328	2.332	.437	47	473367V	V	1.625	2.437	2.441	.312	47
*473135	S	1.250	1.686	1.691	.250	47	*473378	S	1.062	1.874	1.878	.375	47
473135V	V	1.250	1.686	1.691	.250	47	473380	S	1.000	1.575	1.579	.250	47
473157	S	1.750	2.449	2.453	.312	47	473405	S	.593	1.250	1.254	.312	47
473179	S	1.875	2.758	2.762	.375	47	473406	S	.750	1.828	1.832	.375	47
*473196	S	.750	1.783	1.787	.250	47	473407	S	.750	1.983	1.987	.250	47
473197	S	1.375	2.835	2.839	.312	47	473412	S	.812	1.828	1.832	.375	47
*473197V	V	1.375	2.835	2.839	.312	47	473413	S	.843	1.499	1.503	.250	47
473203	S	1.187	1.752	1.756	.250	47	473414	S	.843	1.624	1.628	.250	47
473204	S	2.125	2.750	2.754	.375	47	473415	S	.843	1.828	1.832	.312	47
*473204N	N	2.125	2.750	2.754	.375	47	473416	S	.737	1.375	1.379	.343	47
473205	S	1.187	2.125	2.129	.250	47	473419	S	1.062	1.828	1.832	.375	47
473210	S	1.312	2.000	2.004	.312	47	473420	S	1.062	2.062	2.066	.375	47
*473210V	V	1.312	2.000	2.004	.312	47	473421	S	1.312	2.106	2.110	.375	47
473211	S	1.312	2.125	2.129	.312	47	473422	S	1.312	1.983	1.987	.375	47
473212	S	1.312	2.250	2.254	.312	47	473423	S	1.312	1.874	1.878	.375	47
473212A	A	1.312	2.250	2.254	.312	47	473424	S	1.281	2.000	2.004	.375	47

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
473425	S	1.187	1.828	1.832	.375	47	*474090	S	1.437	2.061	2.066	.312	47
473426	S	1.187	1.983	1.987	.375	47	*474096★	S	51.00	65.00	65.10	7.00	47
473427	S	1.156	2.062	2.066	.375	47			2.008	2.559	2.563	.276	
473428	S	1.156	1.984	1.988	.250	47	*474097★	S	36.00	50.00	50.08	7.00	47
*473428V	V	1.156	1.984	1.988	.250	47			1.417	1.969	1.972	.276	
473435	S	1.343	2.106	2.110	.375	47	*474113★	S	36.00	55.00	55.09	6.50	47
473436	S	1.343	2.125	2.129	.375	47			1.417	2.165	2.169	.256	
473437	S	1.437	2.623	2.627	.375	47	*474119★	S	38.00	58.00	58.11	8.00	47
473438	S	1.468	2.375	2.379	.375	47			1.496	2.283	2.288	.315	
473439	S	1.468	2.437	2.441	.375	47	*474121★	S	36.00	55.00	55.12	9.50	47
									1.417	2.165	2.170	.374	
473440	S	1.500	2.750	2.754	.312	47	*474125N★	N	35.00	64.00	64.14	9.50	47
473441	S	1.562	2.750	2.754	.375	47			1.378	2.520	2.525	.374	
473442	S	1.562	2.875	2.879	.375	47	474127	S	1.417	2.250	2.254	.250	47
473443	S	1.625	2.750	2.754	.375	47	474131	S	.750	1.302	1.306	.250	47
473444	S	1.625	2.875	2.879	.375	47	474133★	S	40.00	74.00	74.12	10.00	47
473444V	V	1.625	2.875	2.879	.375	47			1.575	2.913	2.918	.394	
473445	S	1.687	2.437	2.441	.312	47	474134★	S	50.00	66.50	66.62	9.52	47
*473445V	V	1.687	2.437	2.441	.312	47			1.969	2.618	2.623	.375	
473446	S	1.687	2.875	2.879	.375	47	*474135N★	N	42.00	65.05	65.15	9.50	47
473447	S	1.750	2.758	2.762	.375	47			1.654	2.561	2.565	.374	
							*474137★	S	43.00	62.00	62.10	9.50	47
473448	S	1.750	2.996	3.001	.375	47			1.693	2.441	2.445	.374	
473449	S	1.812	2.750	2.754	.375	47	474161★	S	40.01	65.00	65.13	9.53	47
473450	S	1.812	2.875	2.879	.375	47			1.575	2.559	2.564	.375	
473450V	V	1.812	2.875	2.879	.375	47	*474198	S	2.375	3.350	3.355	.703	47
473451	S	1.843	2.623	2.627	.375	47	474216	S	1.625	2.562	2.565	.375	47
473452	S	1.843	2.750	2.754	.375	47	474230	S	2.875	3.540	3.548	.315	47
473453	S	1.843	2.875	2.879	.375	47	474235	S	.937	1.850	1.854	.312	47
473454	S	1.875	2.502	2.506	.312	47	474241V★➡	V	42.00	58.00	58.17	7.00	47
473455	S	1.875	2.835	2.839	.375	47			1.654	2.283	2.290	.276	
*473456	S	1.875	2.996	3.000	.375	47	*474247	S	1.625	2.750	2.754	.312	47
							474250	S	1.000	1.686	1.690	.250	47
473457	S	1.875	3.061	3.066	.375	47	474252	S	.937	1.752	1.756	.250	47
473458	S	1.875	3.189	3.194	.375	47	474253	S	.812	1.499	1.503	.250	47
473459	S	1.937	2.686	2.690	.312	47	474254	S	1.187	2.437	2.441	.250	47
473460	S	1.937	2.996	3.001	.375	47	474255	S	1.187	2.250	2.254	.250	47
473461	S	1.937	3.061	3.066	.375	47	474256	S	1.187	2.441	2.445	.250	47
473462	S	1.937	3.189	3.194	.375	47	474260	S	1.156	1.686	1.690	.250	47
473463	S	2.000	3.062	3.066	.375	47	474261	S	.687	1.187	1.191	.187	47
473464	S	2.000	3.189	3.194	.375	47	474264	S	1.437	2.437	2.441	.312	47
473466	S	2.062	2.996	3.001	.375	47	474265	S	1.687	2.686	2.691	.312	47
473467	S	2.125	2.996	3.001	.375	47							
473468	S	2.125	3.061	3.066	.375	47	474269	S	1.937	2.437	2.441	.250	47
*473469	S	2.125	3.350	3.355	.375	47	474272	S	2.000	2.716	2.721	.375	47
473471	S	2.187	3.062	3.066	.375	47	474273	S	.781	1.828	1.833	.250	47
473473	S	2.250	3.061	3.066	.375	47	474274	S	1.625	2.750	2.754	.312	47
473474	S	2.375	3.061	3.066	.375	47	474276	S	1.500	1.983	1.988	.250	47
473475	S	2.375	3.189	3.194	.375	47	474276V	V	1.500	1.983	1.988	.250	47
473476➡	N	2.500	3.150	3.155	.315	47	474277	S	.437	1.124	1.128	.250	47
473490	S	1.562	3.150	3.155	.312	47	474278	S	1.250	1.686	1.691	.250	47
473517	S	1.562	2.125	2.129	.375	47	474279N	N	.375	.836	.841	.187	47
473546	S	.551	1.000	1.004	.312	47	474281	S	1.500	2.758	2.763	.312	47
							474288★	S	36.00	58.00	58.30	8.00	47
473551	S	1.250	2.047	2.051	.375	47			1.417	2.283	2.295	.315	
*473559	S	1.730	2.875	2.879	.468	47	475001	S	2.500	3.543	3.548	.500	47
473560N★➡	N	42.00	56.00	56.16	7.00	47	*475001N	N	2.500	3.543	3.548	.500	47
							*475002	S	2.562	3.623	3.628	.468	47
		1.654	2.205	2.211	.276		*475002N	N	2.562	3.623	3.628	.468	47
*473571	S	.750	1.250	1.255	.275	47	*475003	S	2.625	3.623	3.628	.468	47
473573	S	2.375	3.000	3.005	.375	47	475003N	N	2.625	3.623	3.628	.468	47
473677★	S	40.00	55.00	55.09	8.00	47	*475004	S	2.750	3.751	3.756	.500	47
							*475004H	H	2.750	3.751	3.756	.500	47
		1.575	2.165	2.169	.315		*475004N	N	2.750	3.751	3.756	.500	47
473694	S	1.625	2.000	2.004	.250	47							
473796	S	1.750	2.565	2.570	.312	47	*475006	S	2.875	3.751	3.756	.500	47
*473810V★	V	50.00	66.00	66.22	8.00	47	*475006N	N	2.875	3.751	3.756	.500	47
							*475007	S	2.625	3.876	3.881	.468	47
		1.969	2.598	2.607	.315		*475009	S	2.750	3.876	3.881	.468	47
473812	S	1.312	2.166	2.170	.375	47	475009N	N	2.750	3.876	3.881	.468	47
							*475011	S	2.875	4.003	4.008	.468	47
473814	S	1.968	2.623	2.627	.312	47							
473823★	S	35.00	55.00	55.18	8.00	47							
*474007	S	2.187	3.190	3.195	.625	47							
*474069	S	2.125	2.561	2.565	.492	47							

For Illustration and Material Data See Technical Section

➡ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
*475012	S	2.937	4.003	4.008	.468	47	*475156N	N	3.125	4.125	4.130	.562	47
475012N	N	2.937	4.003	4.008	.468	47	*475165	S	3.375	4.499	4.504	.468	47
*475013	S	3.000	4.003	4.008	.468	47	*475173	S	3.500	4.751	4.756	.625	47
*475013N	N	3.000	4.003	4.008	.468	47	*475175	S	3.625	4.751	4.756	.625	47
*475014	S	3.000	4.249	4.254	.625	47	*475177	S	3.750	4.751	4.756	.625	47
*475016	S	3.125	4.249	4.254	.625	47	*475179	S	3.875	4.751	4.756	.625	47
*475018	S	3.250	4.249	4.254	.625	47	*475192	S	4.000	5.251	5.256	.468	47
*475019	S	3.000	4.999	5.004	.468	47	*475192N	N	4.000	5.251	5.256	.468	47
*475021	S	3.125	4.999	5.004	.468	47	*475195	S	4.250	5.251	5.256	.468	47
*475023	S	3.250	4.999	5.004	.468	47	*475195N	N	4.250	5.251	5.256	.468	47
*475025	S	3.375	4.999	5.004	.468	47	*475196	S	4.250	5.375	5.381	.500	47
*475027	S	3.500	4.999	5.004	.468	47	*475198	S	4.375	5.501	5.506	.562	47
*475029	S	3.625	4.999	5.004	.468	47	*475200	S	4.500	5.501	5.506	.562	47
*475031	S	3.750	4.999	5.004	.468	47	*475201	S	4.000	5.999	6.007	.625	47
*475031V	V	3.750	4.999	5.004	.468	47	*475205	S	4.250	5.999	6.007	.625	47
*475033	S	3.875	4.999	5.004	.468	47	*475207	S	4.375	5.999	6.007	.625	47
*475035	S	4.000	4.999	5.004	.468	47	*475209	S	4.500	5.999	6.007	.625	47
*475035H	H	4.000	4.999	5.004	.468	47	*475211	S	4.625	5.999	6.007	.625	47
*475036	S	4.000	5.501	5.506	.562	47	*475213	S	4.750	5.999	6.007	.625	47
*475040	S	4.250	5.501	5.506	.562	47	*475234	S	2.250	3.623	3.628	.468	47
*475041	S	4.000	5.751	5.756	.562	47	475234N	N	2.250	3.623	3.628	.468	47
*475045	S	4.250	5.751	5.756	.562	47	*475245	S	3.125	4.751	4.756	.625	47
*475047	S	4.375	5.751	5.756	.562	47	*475245H	H	3.125	4.751	4.756	.625	47
*475049	S	4.500	5.751	5.756	.562	47	*475252V	V	4.000	5.122	5.131	.378	47
*475053	S	4.750	5.751	5.756	.562	47	*475254	S	2.250	4.003	4.008	.468	47
*475054	S	4.000	6.250	6.256	.562	47	*475259	S	2.250	3.751	3.756	.500	47
*475058	S	4.250	6.250	6.256	.562	47	*475262	S	3.500	5.501	5.506	.562	47
*475060	S	4.375	6.250	6.256	.562	47	*475265	S	3.250	4.751	4.756	.625	47
*475062	S	4.500	6.250	6.256	.562	47	*475271	S	5.000	5.999	6.007	.625	47
*475064	S	4.625	6.250	6.256	.562	47	*475272	S	2.750	4.003	4.008	.468	47
*475066	S	4.750	6.250	6.256	.562	47	*475272N	N	2.750	4.003	4.008	.468	47
*475068	S	4.875	6.250	6.256	.562	47	*475281	S	3.000	3.751	3.756	.500	47
*475070	S	5.000	6.250	6.256	.562	47	*475281N	N	3.000	3.751	3.756	.500	47
*475070N	N	5.000	6.250	6.256	.562	47	*475296	S	2.625	4.003	4.008	.468	47
*475072	S	6.000	7.501	7.508	.562	47	*475303	S	2.875	3.623	3.628	.375	47
*475079	S	2.500	3.751	3.756	.500	47	*475304	S	3.250	4.249	4.254	.500	47
475080N	N	2.125	3.623	3.628	.468	47	*475304V	V	3.250	4.249	4.254	.500	47
*475082	S	2.500	3.876	3.881	.468	47	*475315	S	2.750	3.623	3.628	.468	47
*475084	S	7.000	8.500	8.509	.750	47	*475319N	N	3.500	5.126	5.131	.625	47
*475085	S	3.312	4.499	4.504	.468	47	*475322	S	2.750	3.543	3.548	.500	47
*475086N	N	3.000	4.249	4.254	.468	47	475322N	N	2.750	3.543	3.548	.500	47
*475088	S	3.000	4.499	4.504	.468	47	*475328	S	3.250	5.251	5.256	.468	47
*475088N	N	3.000	4.499	4.504	.468	47	*475348N	N	2.937	4.249	4.254	.625	47
*475091	S	4.875	5.999	6.007	.625	47	*475350	S	2.187	3.623	3.628	.468	47
*475093	S	2.250	3.500	3.505	.500	47	*475354	S	3.125	4.003	4.008	.468	47
*475095	S	2.375	3.500	3.505	.500	47	*475354H	H	3.125	4.003	4.008	.468	47
475095N	N	2.375	3.500	3.505	.500	47	*475355	S	2.875	3.876	3.881	.468	47
*475096	S	2.437	3.500	3.505	.500	47	*475364	S	2.750	3.500	3.505	.500	47
*475098	S	2.562	3.500	3.505	.500	47	*475368	S	2.625	3.500	3.505	.500	47
*475137	S	3.250	4.499	4.504	.468	47	475368N	N	2.625	3.500	3.505	.500	47
*475137N	N	3.250	4.499	4.504	.468	47	*475369	S	2.500	3.623	3.628	.468	47
*475138	S	4.750	5.750	5.756	.500	47	*475369N	N	2.500	3.623	3.628	.468	47
*475138H	H	4.750	5.750	5.756	.500	47	*475371	S	4.625	5.751	5.756	.562	47
*475139N	N	2.750	4.626	4.631	.625	47	*475379	S	3.750	4.751	4.756	.500	47
*475144	S	2.875	4.499	4.504	.468	47	*475379N	N	3.750	4.751	4.756	.500	47
*475145	S	3.125	4.499	4.504	.468	47	*475380	S	2.375	3.623	3.628	.468	47
*475146	S	3.500	4.499	4.504	.468	47	475380N	N	2.375	3.623	3.628	.468	47
*475146N	N	3.500	4.499	4.504	.468	47	475384	S	2.812	4.003	4.008	.468	47
*475147	S	2.500	3.500	3.505	.500	47	*475389	S	3.625	4.499	4.504	.468	47
*475147N	N	2.500	3.500	3.505	.500	47	*475389N	N	3.625	4.499	4.504	.468	47
*475148	S	3.875	5.251	5.256	.468	47	*475394	S	3.125	5.251	5.256	.468	47
*475149	S	2.625	3.751	3.756	.500	47	*475396	S	3.500	5.751	5.756	.562	47
*475149N	N	2.625	3.751	3.756	.500	47	*475423	S	3.750	5.501	5.506	.562	47
*475150	S	3.750	5.251	5.256	.468	47	*475436	S	3.625	5.751	5.756	.562	47
*475152	S	2.875	4.125	4.130	.562	47	*475437	S	3.500	4.750	4.756	.500	47
*475154	S	3.000	4.125	4.130	.562	47	*475449	S	2.500	3.500	3.505	.375	47
*475156	S	3.125	4.125	4.130	.562	47	475458	S	2.625	3.623	3.628	.375	47
*475156H	H	3.125	4.125	4.130	.562	47	*475458V	V	2.625	3.623	3.628	.375	47

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
470000 SERIES (cont.)							470000 SERIES (cont.)						
*475479	S	3.000	3.876	3.881	.468	47	*476281N	N	2.750	4.125	4.130	.562	47
*475479H	H	3.000	3.876	3.881	.468	47	*476282	S	2.750	4.249	4.254	.468	47
*475479N	N	3.000	3.876	3.881	.468	47	*476283	S	2.750	4.249	4.254	.500	47
*475483	S	2.625	3.500	3.505	.375	47	*476283N	N	2.750	4.249	4.254	.500	47
475500	S	3.298	4.125	4.130	.562	47	*476286	S	2.875	4.249	4.254	.625	47
*475559	S	3.500	5.251	5.256	.468	47	*476288	S	3.125	4.249	4.254	.500	47
*475563	S	3.250	4.003	4.008	.468	47	*476294	S	3.375	4.249	4.254	.500	47
*475566	S	3.250	4.125	4.130	.562	47	*476297	S	3.125	4.626	4.631	.437	47
*475568	S	3.125	3.876	3.881	.468	47	*476303	S	3.250	4.626	4.631	.437	47
*475613	S	3.375	4.249	4.254	.625	47	*476319	S	3.375	4.626	4.631	.437	47
*475636	S	2.187	3.500	3.505	.500	47	*476323	S	3.375	4.751	4.756	.625	47
*475638	S	5.500	6.750	6.757	.500	47	*476327	S	3.375	5.251	5.256	.468	47
*475645	S	5.250	6.500	6.507	.562	47	*476328	S	3.500	4.626	4.631	.437	47
*475655	S	2.500	4.003	4.008	.468	47	*476332	S	3.625	4.626	4.631	.437	47
*475659	S	2.125	3.500	3.505	.500	47	*476332H	H	3.625	4.626	4.631	.437	47
*475697	S	3.875	5.125	5.131	.500	47	*476332N	N	3.625	4.626	4.631	.437	47
*475725	S	5.000	5.999	6.007	.500	47	*476335	S	3.625	5.251	5.256	.468	47
*475725N	N	5.000	5.999	6.007	.500	47	*476336	S	3.750	4.626	4.631	.437	47
*475733	S	2.750	3.751	3.756	.437	47	*476339	S	3.750	4.999	5.004	.500	47
*475836	S	3.000	4.003	4.008	.437	47	*476341	S	3.875	4.626	4.631	.437	47
*475836V	V	3.000	4.003	4.008	.437	47	*476345	S	3.875	4.999	5.004	.500	47
475845	S	4.000	4.999	5.004	.375	47	*476365	S	3.437	4.501	4.506	.468	47
*475852	S	3.750	5.751	5.756	.562	47	*476370	S	3.000	4.751	4.756	.625	47
*475894	S	3.375	4.376	4.381	.500	47	*476380	S	4.375	5.500	5.506	.500	47
*475937	S	3.625	4.751	4.756	.500	47	*476389	S	3.625	5.501	5.506	.562	47
*475937H	H	3.625	4.751	4.756	.500	47	*476404	S	3.125	4.003	4.008	.375	47
*475953	S	4.000	4.999	5.004	.500	47	*476404N	N	3.125	4.003	4.008	.375	47
*475953H	H	4.000	4.999	5.004	.500	47	*476414	S	3.500	4.500	4.506	.500	47
*475960	S	2.750	3.876	3.881	.375	47	476424N	N	3.500	4.751	4.756	.375	47
*475984	S	2.750	3.623	3.628	.375	47	476470	S	3.250	4.249	4.254	.375	47
*475984N	N	2.750	3.623	3.628	.375	47	476470V	V	3.250	4.247	4.254	.375	47
*475991N	N	3.500	4.501	4.506	.468	47	*476470N	N	3.250	4.249	4.254	.375	47
*475995	S	3.000	4.003	4.008	.375	47	*476500	S	2.937	3.937	3.942	.500	47
*475995V	V	3.000	4.003	4.008	.375	47	476500N	N	2.937	3.937	3.942	.500	47
*475996H	H	3.375	4.280	4.285	.406	47	476509	S	1.937	3.623	3.628	.468	47
*476011	S	3.125	4.125	4.130	.500	47	476510	S	1.562	3.543	3.548	.375	47
*476011H	H	3.125	4.125	4.130	.500	47	476511	S	2.187	5.118	5.124	.375	47
*476011V	V	3.125	4.125	4.130	.500	47	476512★	S	50.00	110.00	110.13	9.50	47
476023N	N	3.000	3.751	3.756	.375	47			1.969	4.331	4.336	.374	
*476023V	V	3.000	3.751	3.756	.375	47	*476513	S	2.162	3.543	3.548	.375	47
							476514	S	2.556	3.937	3.942	.375	47
476028	S	3.375	4.249	4.254	.468	47							
*476028N	N	3.375	4.249	4.254	.468	47	*476515	S	2.950	4.527	4.533	.375	47
*476041	S	3.750	4.626	4.632	.500	47	*476516★	S	85.00	130.00	130.15	12.70	47
*476043	S	3.875	5.751	5.756	.562	47			3.346	5.118	5.124	.500	
*476047	S	3.625	4.625	4.631	.500	47	476517	S	3.934	5.905	5.911	.500	47
*476098N	N	3.875	4.686	4.691	.375	47	476518★	S	110.00	170.00	170.18	12.70	47
*476107	S	5.500	6.750	6.757	.575	47			4.331	6.693	6.700	.500	
*476122H	H	4.750	5.999	6.006	.562	47	*476519	S	5.062	7.874	7.881	.500	47
*476124	S	3.687	4.626	4.631	.625	47	476535	S	2.125	3.149	3.154	.375	47
*476125	S	3.625	4.999	5.004	.500	47	*476535N	N	2.125	3.149	3.154	.375	47
							*476556	S	4.250	5.250	5.256	.500	47
*476128	S	3.875	5.501	5.506	.562	47	476574N	N	2.750	3.937	3.942	.500	47
*476130	S	4.000	5.375	5.381	.500	47	*476591N	N	3.562	4.626	4.631	.562	47
*476135	S	4.250	5.625	5.631	.500	47							
*476149N	N	4.375	5.999	6.007	.500	47	*476621H	H	4.875	6.000	6.006	.562	47
*476153	S	4.500	5.625	5.631	.500	47	*476624	S	3.500	4.376	4.381	.500	47
*476154	S	4.500	5.999	6.007	.500	47	*476624V	V	3.500	4.376	4.381	.500	47
*476158	S	4.625	5.999	6.007	.500	47	*476654N	N	2.937	4.003	4.008	.375	47
*476163	S	4.812	5.999	6.007	.500	47	*476664	S	2.750	3.500	3.505	.375	47
*476173	S	5.125	6.250	6.256	.562	47	*476666	S	5.750	7.001	7.008	.562	47
*476173V	V	5.125	6.250	6.256	.562	47	*476677★	S	40.00	55.00	55.09	8.00	47
									1.575	2.165	2.169	.315	
*476262	S	11.000	12.500	12.514	1.250	47	*476706N	N	2.750	4.003	4.008	.375	47
*476262N	N	11.000	12.500	12.514	1.250	47	*476801H	H	5.000	6.003	6.009	.500	47
*476267	S	2.125	3.500	3.505	.375	47	*476808	S	2.125	3.937	3.942	.375	47
*476268	S	2.187	3.500	3.505	.375	47							
*476271	S	2.375	3.500	3.505	.375	47	*476816	S	4.000	6.375	6.382	.500	47
*476272	S	2.437	3.623	3.628	.468	47	476820	S	1.750	3.937	3.942	.312	47
*476273	S	2.500	3.623	3.628	.375	47	476838	S	1.125	1.828	1.832	.312	47
476281	S	2.750	4.125	4.130	.562	47	476842	S	5.500	6.250	6.257	.500	47

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
470000 SERIES (cont.)							480000 SERIES (cont.)						
*476865	S	5.000	6.250	6.256	.500	47	*480014	S	.500	1.250	1.254	.375	48
*476871	S	6.750	7.657	7.750	.500	47	*480016	S	.562	1.250	1.254	.375	48
*476878	S	1.625	3.937	3.942	.375	47	*480016N	N	.562	1.250	1.254	.375	48
*476888	S	4.500	5.500	5.506	.500	47	*480018	S	.625	1.250	1.254	.375	48
*476888V	V	4.500	5.500	5.506	.500	47	*480019	S	.500	1.375	1.379	.406	48
*476891	S	4.250	5.500	5.506	.500	47	*480021	S	.562	1.375	1.379	.406	48
*476892	S	4.500	5.750	5.756	.500	47	*480023	S	.625	1.375	1.379	.406	48
*476921	S	2.875	4.003	4.008	.375	47	*480025	S	.687	1.375	1.379	.406	48
*476985	S	3.875	4.750	4.756	.375	47	*480027	S	.750	1.375	1.379	.406	48
477055	S	3.330	4.125	4.130	.562	47	*480027H	H	.750	1.375	1.379	.406	48
477069	S	2.598	4.000	4.005	.500	47	*480028	S	.750	1.499	1.503	.390	48
*477104	S	1.625	3.543	3.548	.375	47	*480030	S	.812	1.499	1.503	.390	48
477105	S	1.875	4.331	4.336	.500	47	*480032	S	.875	1.499	1.503	.390	48
*477123	S	4.000	6.312	6.318	.500	47	*480033	S	.750	1.828	1.832	.437	48
*477158	S	2.875	3.876	3.881	.375	47	*480035	S	.812	1.828	1.832	.437	48
*477158V	V	2.875	3.876	3.881	.375	47	*480037	S	.875	1.828	1.832	.437	48
477163N	N	3.000	4.501	4.506	.468	47	*480039	S	.937	1.828	1.832	.437	48
*477171	S	3.125	4.375	4.381	.500	47	*480040	S	.968	1.828	1.832	.437	48
*477172	S	3.125	4.500	4.506	.500	47	*480041	S	1.000	1.828	1.832	.437	48
*477181	S	3.250	4.376	4.381	.500	47	*480043	S	1.062	1.828	1.832	.437	48
*477191	S	3.375	4.500	4.506	.500	47	*480045	S	1.125	1.828	1.832	.437	48
*477196	S	3.500	4.625	4.631	.500	47	*480047	S	1.187	1.983	1.987	.437	48
*477205	S	3.750	4.875	4.881	.500	47	*480049	S	1.250	1.983	1.987	.437	48
*477211	S	3.875	4.875	4.881	.500	47	*480052	S	1.187	2.062	2.066	.437	48
*477247	S	4.750	6.001	6.007	.500	47	*480053	S	1.312	2.374	2.378	.500	48
*477254	S	5.500	6.500	6.507	.562	47	480055	S	1.375	2.374	2.378	.500	48
*477262	S	5.250	6.250	6.256	.500	47	*480057	S	1.437	2.374	2.378	.500	48
*477278	S	5.000	6.375	6.381	.500	47	*480058	S	1.468	2.374	2.378	.500	48
*477316	S	2.750	3.751	3.756	.375	47	*480058N	N	1.468	2.374	2.378	.500	48
*477316H	H	2.750	3.751	3.756	.375	47	*480059	S	1.500	2.374	2.378	.500	48
*477340	S	1.500	3.543	3.548	.375	47	*480059N	N	1.500	2.374	2.378	.500	48
*477343	S	2.625	3.751	3.756	.375	47	*480061	S	1.375	2.437	2.441	.468	48
*477344	S	2.875	3.751	3.756	.375	47	*480061N	N	1.375	2.437	2.441	.468	48
*477344V	V	2.875	3.751	3.756	.375	47	*480062	S	1.437	2.437	2.441	.468	48
*477349	S	3.000	3.751	3.756	.437	47	*480063	S	1.500	2.437	2.441	.468	48
*477350	S	3.000	3.876	3.881	.437	47	*480064	S	1.562	2.437	2.441	.468	48
*477351	S	3.000	4.125	4.130	.437	47	*480066	S	1.625	2.437	2.441	.468	48
*477352	S	3.250	4.500	4.506	.500	47	*480067	S	1.500	2.502	2.506	.500	48
*477353	S	3.250	4.626	4.632	.500	47	*480069	S	1.625	2.623	2.627	.500	48
*477354	S	3.375	4.626	4.632	.500	47	*480070	S	1.750	2.623	2.627	.500	48
*477355	S	3.625	4.875	4.881	.500	47	*480070N	N	1.750	2.623	2.627	.500	48
*477356	S	4.000	5.125	5.131	.500	47	*480071	S	1.875	2.623	2.627	.500	48
*477357	S	4.000	5.250	5.256	.500	47	*480071V	V	1.875	2.623	2.627	.500	48
*477358	S	5.250	6.375	6.381	.500	47	*480072	S	1.625	2.686	2.690	.500	48
*477359	S	5.250	6.625	6.632	.562	47	*480073	S	1.656	2.686	2.690	.500	48
*477360	S	5.500	6.625	6.632	.562	47	*480074	S	1.687	2.686	2.690	.500	48
*477361	S	5.500	6.875	6.882	.562	47	*480076	S	1.750	2.686	2.690	.500	48
*477362	S	5.750	6.750	6.757	.575	47	*480076N	N	1.750	2.686	2.690	.500	48
*477363	S	5.750	6.875	6.882	.562	47	*480077	S	1.500	2.758	2.762	.500	48
*477364	S	5.750	7.125	7.132	.562	47	*480078	S	1.625	2.875	2.879	.468	48
*477365	S	6.000	7.125	7.132	.562	47	*480080	S	1.687	2.875	2.879	.468	48
*477366	S	3.875	5.250	5.256	.500	47	*480082	S	1.875	2.875	2.879	.468	48
*477410	S	1.961	3.543	3.548	.375	47	*480083	S	2.000	2.875	2.879	.468	48
*477437	S	3.500	4.500	4.506	.375	47	*480084	S	1.875	2.996	3.001	.500	48
*477439	S	4.500	5.501	5.507	.380	47	*480085	S	2.000	2.996	3.001	.500	48
*477586V	V	2.625	4.376	4.381	.500	47	*480086	S	1.687	3.062	3.066	.500	48
*477599	S	3.500	4.376	4.381	.375	47	*480087	S	1.750	3.061	3.066	.500	48
*477609	S	1.875	3.500	3.505	.500	47	*480088	S	1.750	3.189	3.194	.437	48
*477673V	V	1.968	4.003	4.008	.437	47	*480089	S	1.781	3.189	3.194	.437	48
*477674V★	V	54.99	101.68	101.80	11.10	47	*480090	S	1.812	3.189	3.194	.437	48
		2.165	4.003	4.008	.437								
*477936H★	H	70.00	92.00	92.15	11.90	47	*480092	S	1.875	3.189	3.194	.437	48
		2.756	3.622	3.628	.469		*480094	S	1.937	3.189	3.194	.437	48
480000 SERIES							*480095	S	2.000	3.189	3.194	.437	48
*480005	S	.500	1.124	1.128	.375	48	*480096	S	2.062	3.189	3.194	.437	48
*480007	S	.562	1.124	1.128	.375	48	*480097	S	2.125	3.350	3.355	.468	48
*480009	S	.625	1.124	1.128	.375	48	*480098	S	2.187	3.350	3.355	.468	48
							*480099	S	2.250	3.350	3.355	.468	48
							*480101	S	2.375	3.350	3.355	.468	48

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
480000 SERIES (cont.)							480000 SERIES (cont.)						
*480101H	H	2.375	3.350	3.355	.468	48	*480222	S	.750	1.752	1.756	.437	48
*480101N	N	2.375	3.350	3.355	.468	48	*480224	S	.812	1.752	1.756	.437	48
*480102	S	2.000	3.371	3.376	.468	48	*480226	S	.875	1.752	1.756	.437	48
*480109	S	1.562	2.750	2.754	.500	48	*480228	S	.937	1.752	1.756	.437	48
*480115	S	2.125	2.996	3.001	.500	48	*480230	S	1.000	1.752	1.756	.437	48
*480116	S	1.812	2.875	2.879	.468	48	*480232	S	1.062	1.752	1.756	.437	48
*480117	S	1.875	2.750	2.754	.500	48	*480233	S	1.000	1.874	1.878	.437	48
*480118	S	1.812	2.750	2.754	.500	48	*480235H	H	1.093	1.874	1.878	.437	48
*480119	S	.500	.999	1.003	.375	48	*480235V	V	1.093	1.874	1.878	.437	48
*480120	S	1.000	1.499	1.503	.390	48	*480236	S	1.125	1.874	1.878	.437	48
*480121	S	2.125	3.189	3.194	.437	48	*480241	S	1.125	2.062	2.066	.437	48
*480122	S	1.437	2.623	2.627	.500	48	*480244	S	1.250	2.062	2.066	.437	48
*480127	S	1.062	1.874	1.878	.437	48	*480245	S	1.250	2.125	2.129	.437	48
*480127N	N	1.062	1.874	1.878	.437	48	*480247	S	1.312	2.125	2.129	.437	48
*480129	S	1.312	2.062	2.066	.437	48	*480248	S	1.343	2.125	2.129	.437	48
*480132	S	2.250	3.371	3.376	.468	48	*480261	S	2.062	2.996	3.001	.500	48
*480132N	N	2.250	3.371	3.376	.468	48	*480262	S	1.562	2.623	2.627	.500	48
*480135	S	1.375	2.125	2.129	.437	48	*480265	S	1.687	2.623	2.627	.500	48
*480136	S	1.500	2.250	2.254	.500	48	*480267	S	1.812	2.623	2.627	.500	48
*480137	S	.687	1.124	1.128	.375	48	*480267N	N	1.812	2.623	2.627	.500	48
*480138	S	1.937	2.686	2.690	.500	48	*480268	S	1.843	2.623	2.627	.500	48
*480138H	H	1.937	2.686	2.690	.500	48	*480268N	N	1.843	2.623	2.627	.500	48
*480139	S	2.187	2.996	3.001	.500	48	*480269	S	1.781	2.686	2.690	.500	48
*480140N	N	1.250	1.752	1.756	.437	48	*480270	S	1.812	2.686	2.690	.500	48
*480141	S	.750	1.250	1.254	.375	48	*480272	S	1.875	2.686	2.690	.500	48
*480141H	H	.750	1.250	1.254	.375	48	*480273	S	1.562	2.758	2.762	.500	48
*480143	S	1.562	2.561	2.565	.500	48	*480273N	N	1.562	2.758	2.762	.500	48
*480144	S	1.437	2.502	2.506	.500	48	*480275	S	1.625	2.758	2.762	.500	48
*480144V	V	1.437	2.502	2.506	.500	48	480281	S	1.812	2.758	2.762	.500	48
*480145	S	1.937	2.996	3.001	.500	48	*480283	S	1.875	2.758	2.762	.500	48
*480152	S	1.187	2.125	2.129	.437	48	*480283H	H	1.875	2.758	2.762	.500	48
*480154	S	1.687	2.502	2.506	.500	48	*480286	S	1.625	2.750	2.754	.500	48
*480155	S	1.750	2.758	2.762	.500	48	*480291	S	1.750	2.875	2.879	.468	48
*480157	S	1.000	2.000	2.004	.437	48	*480295	S	1.937	2.875	2.879	.468	48
*480158	S	1.062	2.000	2.004	.437	48	*480298	S	1.875	3.000	3.005	.500	48
*480160	S	1.125	2.000	2.004	.437	48	*480300	S	1.937	3.000	3.005	.500	48
*480161	S	1.156	2.000	2.004	.437	48	*480301	S	2.000	3.000	3.005	.500	48
*480162	S	1.187	2.000	2.004	.437	48	*480301H	H	2.000	3.000	3.005	.500	48
*480163	S	1.250	2.000	2.004	.437	48	*480302	S	2.062	3.000	3.005	.500	48
*480165	S	1.250	2.250	2.254	.500	48	480303	S	2.125	3.000	3.005	.500	48
*480167	S	1.312	2.250	2.254	.500	48	*480303V	V	2.125	3.000	3.005	.500	48
*480169	S	1.375	2.250	2.254	.500	48	*480304	S	1.875	3.061	3.066	.500	48
*480171	S	1.437	2.250	2.254	.500	48	*480306	S	1.937	3.061	3.066	.500	48
*480182	S	1.125	1.983	1.987	.437	48	*480307	S	2.062	3.061	3.066	.500	48
*480183	S	1.750	2.750	2.754	.500	48	*480308	S	2.125	3.061	3.066	.500	48
*480183H	H	1.750	2.750	2.754	.500	48	*480309	S	1.937	3.125	3.130	.500	48
*480184	S	.937	1.499	1.503	.390	48	*480310	S	2.000	3.125	3.130	.500	48
*480185	S	1.562	2.502	2.506	.500	48	*480311	S	2.062	3.125	3.130	.500	48
*480186	S	1.687	2.750	2.754	.500	48	*480312	S	2.125	3.125	3.130	.500	48
*480187	S	1.000	2.062	2.066	.437	48	*480312N	N	2.125	3.125	3.130	.500	48
*480188	S	1.062	1.561	1.565	.375	48	*480313	S	2.062	3.251	3.256	.500	48
*480189	S	1.125	1.752	1.756	.437	48	*480314	S	2.125	3.251	3.256	.500	48
*480189H	H	1.125	1.752	1.756	.437	48	*480315	S	2.187	3.251	3.256	.500	48
*480190	S	1.500	2.561	2.565	.500	48	*480316	S	2.250	3.251	3.256	.500	48
*480193	S	1.812	2.996	3.001	.500	48	*480316N	S	2.250	3.251	3.256	.500	48
*480194	S	1.625	2.502	2.506	.500	48	*480320	S	2.375	3.189	3.194	.437	48
*480202	S	.562	.999	1.003	.375	48	*480326	S	1.500	2.996	3.001	.500	48
*480204	S	.812	1.375	1.379	.406	48	*480328	S	1.187	1.686	1.690	.375	48
*480205	S	.687	1.499	1.503	.390	48	*480329	S	2.625	3.350	3.356	.468	48
*480208	S	.968	1.499	1.503	.390	48	*480329N	N	2.625	3.350	3.356	.468	48
480210	S	1.062	1.499	1.503	.312	48	*480330	S	2.500	3.371	3.376	.468	48
*480210H	H	1.062	1.499	1.503	.312	48	*480331N	N	1.843	2.750	2.754	.500	48
*480211	S	.750	1.624	1.628	.437	48	*480336	S	1.187	2.250	2.254	.500	48
*480213	S	.812	1.624	1.628	.437	48	*480340	S	.750	1.561	1.565	.375	48
*480215	S	.875	1.624	1.628	.437	48	*480342	S	1.062	1.983	1.987	.437	48
*480217	S	.937	1.624	1.628	.437	48	*480343	S	2.062	3.371	3.376	.468	48
*480219	S	1.000	1.624	1.628	.437	48	*480344	S	1.187	1.828	1.832	.437	48
*480221	S	1.062	1.624	1.628	.437	48	*480350	S	2.375	3.371	3.376	.468	48

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
480000 SERIES (cont.)							480000 SERIES (cont.)						
*480351	S	1.750	2.437	2.441	.468	48	*480522	S	1.375	2.000	2.004	.437	48
*480351H	H	1.750	2.437	2.441	.468	48	*480523	S	1.500	2.875	2.879	.468	48
*480352	S	1.750	2.502	2.506	.500	48	*480524	S	1.875	3.371	3.376	.468	48
*480354	S	2.187	3.189	3.194	.437	48	*480535	S	.625	1.246	1.250	.375	48
*480355	S	.687	1.250	1.254	.375	48	*480536	S	.562	1.246	1.250	.375	48
480356	S	1.250	1.686	1.690	.375	48	*480539	S	1.625	3.000	3.005	.500	48
*480356V	V	1.250	1.686	1.690	.375	48	*480541	S	1.000	1.752	1.756	.375	48
*480358	S	1.625	2.374	2.378	.500	48	*480550	S	1.937	2.562	2.567	.317	48
*480359	S	1.750	2.996	3.001	.500	48	*480552	S	2.375	3.125	3.130	.500	48
*480360	S	2.000	2.686	2.690	.500	48	*480553	S	1.000	1.499	1.503	.312	48
*480361	S	1.750	2.561	2.565	.500	48	*480553H	H	1.000	1.499	1.503	.312	48
*480363	S	1.687	2.502	2.506	.375	48	*480559	S	1.250	2.374	2.378	.500	48
*480365	S	2.125	2.875	2.879	.468	48	*480561	S	1.312	2.000	2.004	.375	48
*480373	S	2.062	2.875	2.879	.468	48	*480565	S	2.375	3.125	3.130	.375	48
*480375	S	1.763	2.412	2.416	.468	48	*480567	S	.875	1.375	1.379	.312	48
*480380	S	1.500	2.374	2.378	.312	48	*480567N	N	.875	1.375	1.379	.312	48
*480381	S	1.125	1.624	1.628	.437	48	480570	S	1.375	2.000	2.004	.328	48
*480389	S	2.000	2.750	2.754	.500	48	*480571	S	2.000	3.251	3.256	.500	48
*480390	S	.750	1.874	1.878	.250	48	*480574	S	2.375	3.251	3.256	.500	48
*480394	S	1.500	2.125	2.129	.437	48	480574H	H	2.375	3.252	3.256	.500	48
*480403	S	1.375	2.062	2.066	.437	48	480581	S	1.594	2.125	2.129	.250	48
*480403H	H	1.375	2.062	2.066	.437	48	*480590	S	.875	1.752	1.756	.250	48
*480403N	N	1.375	2.062	2.066	.437	48	*480591	S	.812	1.874	1.878	.437	48
*480403V	V	1.375	2.062	2.066	.437	48	*480596	S	1.687	2.835	2.839	.468	48
*480410	S	2.000	2.623	2.627	.500	48	*480601	S	.781	1.250	1.254	.250	48
*480410N	N	2.000	2.623	2.627	.500	48	*480604	S	1.125	2.250	2.254	.500	48
*480415	S	1.625	2.996	3.001	.500	48	*480605	S	2.500	3.371	3.376	.375	48
*480418	S	1.562	2.875	2.879	.468	48	*480610	S	.750	1.874	1.878	.437	48
*480424	S	.875	1.874	1.878	.437	48	*480625	S	1.500	2.250	2.254	.312	48
*480424N	N	.875	1.874	1.878	.437	48	480625V	V	1.500	2.250	2.254	.312	48
*480433	S	2.250	3.125	3.130	.500	48	*480626	S	2.625	3.371	3.376	.468	48
*480436	S	2.000	2.750	2.754	.375	48	*480628	S	1.062	2.062	2.066	.437	48
*480438	S	1.562	2.374	2.378	.500	48	480630	S	1.500	2.062	2.066	.250	48
*480438N	N	1.562	2.374	2.378	.500	48	*480639	S	2.125	2.835	2.839	.468	48
*480441	S	2.250	2.996	3.001	.500	48	*480652	S	1.250	2.000	2.004	.375	48
*480444	S	1.375	2.502	2.506	.500	48	*480673	S	.812	1.375	1.379	.250	48
*480449	S	1.000	1.561	1.565	.375	48	*480680	S	.875	1.499	1.503	.312	48
*480449N	N	1.000	1.561	1.566	.375	48	*480681	S	2.187	3.125	3.130	.500	48
*480451	S	1.500	2.062	2.066	.437	48	*480682	S	1.562	2.623	2.627	.312	48
*480452	S	1.375	2.835	2.839	.468	48	*480683	S	1.250	1.874	1.878	.375	48
*480452H	H	1.375	2.835	2.839	.468	48	*480687	S	1.687	3.125	3.130	.500	48
*480452N	N	1.375	2.835	2.839	.468	48	*480712	S	1.125	1.874	1.878	.250	48
*480453	S	1.437	2.125	2.129	.437	48	*480719	S	1.750	3.000	3.005	.500	48
*480453N	N	1.437	2.125	2.129	.437	48	*480720	S	1.875	3.125	3.130	.500	48
*480455	S	1.937	2.623	2.627	.500	48	*480737	S	2.250	3.189	3.194	.437	48
*480461	S	1.500	2.750	2.754	.500	48	*480746	S	1.437	2.686	2.690	.500	48
*480463	S	1.375	2.750	2.754	.500	48	*480751	S	1.562	2.686	2.690	.500	48
*480479	S	1.687	2.437	2.441	.468	48	*480755	S	1.625	2.250	2.254	.500	48
480479H	H	1.687	2.437	2.441	.468	48	*480774	S	1.375	2.062	2.066	.375	48
*480479V	V	1.687	2.437	2.441	.468	48	*480776	S	1.375	2.686	2.690	.500	48
*480481	S	1.250	2.437	2.441	.468	48	*480791	S	.625	1.124	1.128	.312	48
*480482	S	1.156	1.828	1.832	.437	48	*480806	S	1.250	2.835	2.839	.468	48
*480487	S	1.500	2.686	2.690	.500	48	*480808	S	1.437	2.750	2.754	.500	48
*480489	S	2.187	2.875	2.879	.468	48	*480814	S	1.500	2.441	2.445	.500	48
480491	S	2.750	3.481	3.486	.500	48	480821	S	.750	1.312	1.316	.250	48
*480494	S	1.750	2.502	2.506	.375	48	*480823	S	1.875	2.502	2.506	.500	48
*480494N	N	1.750	2.502	2.506	.375	48	480844	S	1.500	2.222	2.226	.312	48
*480496	S	2.500	3.350	3.355	.468	48	*480867	S	2.125	2.875	2.879	.437	48
*480496N	N	2.500	3.350	3.355	.468	48	*480867N	N	2.125	2.875	2.879	.437	48
*480502	S	1.156	1.686	1.690	.375	48	480889	S	.812	1.312	1.316	.250	48
*480503	S	1.312	2.437	2.441	.468	48	*480889H	H	.812	1.312	1.316	.250	48
*480504	S	1.375	2.623	2.627	.500	48	*480895	S	.750	1.375	1.379	.312	48
*480515	S	.812	1.561	1.565	.375	48	*480898	S	2.125	2.875	2.879	.375	48
*480519	S	2.500	3.251	3.256	.500	48	*480898H	H	2.125	2.875	2.879	.375	48
*480519N	N	2.500	3.251	3.256	.500	48	*480906	S	1.156	1.983	1.987	.375	48
*480519V	V	2.500	3.251	3.256	.500	48	*480929	S	1.750	2.374	2.378	.500	48
*480520	S	2.250	3.000	3.005	.500	48	*480950	S	1.375	2.437	2.441	.375	48
*480521	S	1.312	1.874	1.878	.437	48	*480950N	N	1.375	2.437	2.441	.375	48

For Illustration and Material Data See Technical Section

* Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
480000 SERIES (cont.)							480000 SERIES (cont.)						
480954	S	.750	1.250	1.254	.250	48	*481264	S	.625	1.250	1.254	.250	48
*480954N	N	.750	1.250	1.254	.250	48	*481267	S	.875	1.375	1.379	.250	48
480954V	V	.750	1.250	1.254	.250	48	*481267H	H	.875	1.375	1.379	.250	48
*480963	S	1.562	2.437	2.441	.500	48	*481267N	N	.875	1.375	1.379	.250	48
*480972	S	2.125	3.371	3.376	.468	48	*481268	S	1.375	2.000	2.004	.375	48
*480975	S	.625	1.499	1.503	.390	48	*481268V	V	1.375	2.000	2.004	.375	48
*480988	S	2.375	3.061	3.066	.500	48	*481271	S	2.500	3.251	3.256	.375	48
480988H	H	2.375	3.061	3.066	.500	48	*481272	S	2.250	3.000	3.005	.375	48
480991	S	1.500	2.062	2.066	.375	48	*481272N	N	2.250	3.000	3.005	.375	48
*481000	S	1.375	2.250	2.254	.375	48	*481276	S	1.375	2.441	2.445	.375	48
*481016	S	1.562	2.125	2.129	.437	48	*481279	S	1.562	2.252	2.256	.375	48
*481016N	N	1.562	2.125	2.129	.437	48	*481279N	N	1.562	2.252	2.256	.375	48
*481019	S	1.750	2.623	2.627	.375	48	*481281	S	.562	1.124	1.128	.250	48
*481024	S	.625	1.624	1.628	.437	48	*481281N	N	.562	1.124	1.128	.250	48
*481047	S	.937	1.497	1.501	.390	48	*481281V	V	.562	1.124	1.128	.250	48
*481067	S	1.750	2.875	2.879	.500	48	*481288	S	1.750	2.374	2.378	.375	48
481073	S	.656	1.375	1.379	.250	48	*481289	S	1.625	2.251	2.256	.375	48
*481076	S	1.031	1.575	1.579	.312	48	*481294	S	.500	1.124	1.128	.312	48
*481078	S	1.875	3.251	3.256	.500	48	*481308	S	1.500	2.374	2.378	.375	48
*481083	S	1.250	1.752	1.756	.375	48	*481315	S	.562	.999	1.003	.250	48
*481083N	N	1.250	1.752	1.756	.375	48	*481315N	N	.562	.999	1.003	.250	48
*481083V	V	1.250	1.752	1.756	.375	48	*481315V	V	.562	.999	1.003	.250	48
*481084	S	1.562	2.250	2.254	.500	48	*481316	S	1.562	2.686	2.690	.375	48
*481091	S	2.000	3.062	3.066	.500	48	*481324	S	.625	1.375	1.379	.312	48
*481091H	H	2.000	3.062	3.066	.500	48	*481336	S	2.250	2.873	2.877	.312	48
*481100	S	1.125	1.624	1.628	.312	48	*481338	S	2.187	3.000	3.005	.500	48
*481105	S	1.375	2.875	2.879	.468	48	*481343	S	1.062	1.575	1.579	.312	48
*481122	S	1.750	2.437	2.441	.375	48	*481344	S	1.500	2.441	2.445	.375	48
*481131	S	1.375	2.374	2.378	.375	48	*481345	S	1.687	2.363	2.367	.437	48
*481133	S	1.125	1.752	1.756	.375	48	*481345H	H	1.687	2.363	2.367	.437	48
*481134	S	1.250	2.062	2.066	.375	48	*481345N	N	1.687	2.363	2.367	.437	48
*481135	S	1.125	2.062	2.066	.375	48	*481354	S	1.187	2.062	2.066	.250	48
*481135H	H	1.125	2.062	2.066	.375	48	*481354N	N	1.187	2.062	2.066	.250	48
*481136	S	1.375	2.248	2.252	.375	48	*481371H★	H	50.00	70.00	70.10	11.00	48
*481137	S	.875	1.828	1.832	.375	48			1.969	2.756	2.760	.433	
*481138	S	2.250	3.125	3.130	.375	48	*481384	S	1.594	2.125	2.129	.281	48
*481138H	H	2.250	3.125	3.130	.375	48	*481384N	N	1.594	2.125	2.129	.281	48
*481138N	N	2.250	3.125	3.130	.375	48	*481384V	V	1.594	2.125	2.129	.281	48
*481139	S	1.875	3.000	3.005	.375	48	*481385	S	.750	1.983	1.987	.437	48
*481139H	H	1.875	3.000	3.005	.375	48	481397	S	.656	1.575	1.579	.250	48
							*481407	S	1.250	2.441	2.445	.375	48
*481150	S	1.625	2.374	2.378	.375	48							
*481150H	H	1.625	2.374	2.378	.375	48	*481410	S	1.687	2.328	2.332	.437	48
*481150N	N	1.625	2.374	2.378	.375	48	*481413	S	1.250	1.752	1.756	.250	48
481163	S	1.500	2.000	2.004	.312	48	*481413V	V	1.250	1.752	1.756	.250	48
481163V	V	1.500	2.000	2.004	.312	48	*481414	S	3.375	4.376	4.381	.562	48
*481163H	H	1.500	2.000	2.004	.312	48	*481414H	H	3.375	4.376	4.381	.562	48
*481166	S	1.937	2.625	2.629	.375	48	*481419	S	1.625	2.437	2.441	.375	48
481181	S	1.625	2.125	2.129	.250	48	*481419H	H	1.625	2.437	2.441	.375	48
*481181H	H	1.625	2.125	2.129	.250	48	*481424	S	2.000	2.623	2.627	.312	48
481181N	N	1.625	2.125	2.129	.250	48	*481424H	H	2.000	2.623	2.627	.312	48
							*481428	S	.750	1.752	1.756	.375	48
481191V	V	2.254	2.756	2.763	.340	48							
*481192	S	1.375	2.125	2.129	.312	48	*481436H	H	.656	1.575	1.579	.312	48
*481192H	H	1.375	2.125	2.129	.312	48	*481442	S	.500	.999	1.003	.250	48
*481193N	N	1.301	2.000	2.004	.437	48	*481442N	N	.500	.999	1.003	.250	48
481195	S	1.937	2.502	2.506	.375	48	*481442V	V	.500	.999	1.003	.250	48
*481195N	N	1.937	2.502	2.506	.375	48	481443	S	.781	1.375	1.379	.250	48
*481203N	N	1.250	1.750	1.754	.375	48	481443V	V	.781	1.375	1.379	.250	48
481213	S	1.187	1.687	1.691	.250	48	*481456	S	1.187	1.874	1.878	.437	48
*481224	S	1.000	1.499	1.503	.250	48	*481463	S	1.875	2.835	2.839	.468	48
*481224H	H	1.000	1.499	1.503	.250	48	*481466	S	.625	1.124	1.128	.250	48
							*481466V	V	.625	1.124	1.128	.250	48
481224V	V	1.000	1.499	1.503	.250	48							
*481234	S	2.250	3.061	3.066	.500	48	*481472	S	.500	1.250	1.254	.250	48
*481239	S	1.000	1.625	1.629	.375	48	*481472N	N	.500	1.250	1.254	.250	48
*481243	S	1.750	2.412	2.416	.468	48	*481475	S	2.625	3.543	3.548	.500	48
*481246	S	1.250	1.874	1.878	.437	48	481481	S	.668	1.187	1.191	.185	48
*481255	S	.625	1.375	1.379	.250	48	*481490	S	.500	1.000	1.004	.250	48
*481255V	V	.625	1.375	1.379	.250	48	*481504	S	1.750	2.437	2.441	.312	48
*481258	S	1.125	1.828	1.832	.375	48	*481504H	H	1.750	2.437	2.441	.312	48

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
480000 SERIES (cont.)							480000 SERIES (cont.)						
*481507	S	1.500	2.252	2.256	.375	48	*481700	S	.875	1.752	1.756	.312	48
*481507H	H	1.500	2.252	2.256	.375	48	*481702	S	.968	1.752	1.756	.312	48
*481507N	N	1.500	2.252	2.256	.375	48	*481703	S	1.000	1.752	1.756	.312	48
*481507V	V	1.500	2.252	2.256	.375	48	*481706	S	1.125	1.752	1.756	.312	48
*481509	S	2.500	3.250	3.256	.437	48	*481708	S	1.187	1.752	1.756	.312	48
*481509H	H	2.500	3.250	3.256	.437	48	*481709	S	1.250	1.752	1.756	.312	48
*481526	S	.500	1.124	1.128	.250	48	*481718	S	1.062	1.752	1.756	.375	48
*481526N	N	.500	1.124	1.128	.250	48	*481730H	H	.875	1.874	1.878	.250	48
481528	S	.656	1.124	1.128	.250	48	*481733	S	1.000	1.874	1.878	.250	48
*481529	S	.687	1.124	1.128	.250	48	*481736	S	1.156	1.874	1.878	.250	48
*481529N	N	.687	1.124	1.128	.250	48	*481737	S	1.250	1.874	1.878	.250	48
*481534	S	.531	1.250	1.254	.250	48	*481737V	V	1.250	1.874	1.878	.250	48
*481535	S	.562	1.250	1.254	.250	48	*481741	S	.875	1.983	1.987	.250	48
481537	S	.656	1.250	1.254	.250	48	*481748N	N	1.156	1.983	1.987	.250	48
481538	S	.687	1.250	1.254	.250	48	*481750	S	1.250	1.983	1.987	.250	48
*481538V	V	.687	1.250	1.254	.250	48	*481760	S	1.000	2.000	2.004	.250	48
*481539	S	.812	1.250	1.254	.250	48	*481763	S	1.125	2.000	2.004	.250	48
*481551	S	.562	1.375	1.379	.250	48	*481765	S	1.187	2.000	2.004	.250	48
*481551H	H	.562	1.375	1.379	.250	48	*481766	S	1.250	2.000	2.004	.250	48
*481552	S	.593	1.375	1.379	.250	48	*481770	S	1.000	2.000	2.004	.375	48
*481553	S	.687	1.375	1.379	.250	48	*481772	S	1.062	2.000	2.004	.375	48
*481554	S	.750	1.375	1.379	.250	48	481773	S	1.156	2.000	2.004	.375	48
*481554N	N	.750	1.375	1.379	.250	48	*481787	S	1.250	2.062	2.066	.250	48
*481554V	V	.750	1.375	1.379	.250	48	*481787N	N	1.250	2.062	2.066	.250	48
*481564	S	.625	1.499	1.503	.250	48	481792	S	1.125	2.125	2.129	.250	48
*481567	S	.750	1.499	1.503	.250	48	*481792N	N	1.125	2.125	2.129	.250	48
481568	S	.781	1.499	1.503	.250	48	*481795	S	1.250	2.125	2.129	.250	48
*481570	S	.875	1.499	1.503	.250	48	*481801	S	1.250	2.252	2.256	.375	48
*481570V	V	.875	1.499	1.503	.250	48	*481801N	N	1.250	2.252	2.256	.375	48
*481571	S	.937	1.499	1.503	.250	48	*481808	S	1.250	2.374	2.378	.375	48
481571V	V	.937	1.499	1.503	.250	48	*481809	S	1.437	2.374	2.378	.375	48
*481572	S	.968	1.499	1.503	.250	48	*481810	S	1.562	2.374	2.378	.375	48
*481572V	V	.968	1.499	1.503	.250	48	*481812	S	1.687	2.374	2.378	.375	48
*481577	S	.625	1.499	1.503	.312	48	*481818	S	1.250	2.437	2.441	.375	48
*481579	S	.687	1.499	1.503	.312	48	*481821	S	1.562	2.437	2.441	.375	48
*481580	S	.750	1.499	1.503	.312	48	481826	S	1.437	2.441	2.445	.375	48
*481582	S	.937	1.499	1.504	.312	48	*481833	S	1.250	2.502	2.506	.375	48
*481583	S	.968	1.499	1.503	.312	48	481834	S	1.312	2.502	2.506	.375	48
*481592	S	.656	1.561	1.565	.250	48	*481835	S	1.375	2.502	2.506	.375	48
*481612	S	.625	1.575	1.579	.312	48	481837	S	1.500	2.502	2.506	.375	48
*481633	S	.875	1.577	1.581	.250	48	*481838	S	1.593	2.502	2.506	.375	48
*481643	S	.750	1.624	1.628	.250	48	*481839	S	1.625	2.502	2.506	.375	48
481644	S	.781	1.624	1.628	.250	48	*481839N	N	1.625	2.502	2.506	.375	48
*481646	S	.875	1.624	1.628	.250	48	*481847	S	1.375	2.561	2.565	.500	48
*481647	S	.937	1.624	1.628	.250	48	*481857	S	1.500	2.623	2.627	.500	48
*481648	S	.968	1.624	1.628	.250	48	481859	S	1.250	2.686	2.690	.375	48
*481649	S	1.000	1.624	1.628	.250	48	481864	S	1.625	2.686	2.690	.375	48
*481649N	N	1.000	1.624	1.628	.250	48	*481864H	H	1.625	2.686	2.690	.375	48
481650	S	1.031	1.624	1.628	.250	48	*481887H	H	2.437	3.125	3.130	.375	48
*481651	S	1.062	1.624	1.628	.250	48	*481901	S	1.312	2.750	2.754	.500	48
*481652	S	1.125	1.624	1.628	.250	48	*481936	S	1.875	2.875	2.879	.437	48
*481652N	N	1.125	1.624	1.628	.250	48	*481944	S	2.000	2.875	2.879	.437	48
481652V	V	1.125	1.624	1.628	.250	48	*481952	S	2.187	2.835	2.839	.468	48
*481656	S	.750	1.624	1.628	.312	48	*481953	S	2.187	2.875	2.879	.437	48
*481656V	V	.750	1.624	1.628	.312	48	*481958	S	1.500	3.000	3.005	.375	48
*481659	S	.875	1.624	1.628	.312	48	*481982	S	1.687	3.125	3.130	.375	48
*481662	S	1.000	1.624	1.628	.312	48	*481984	S	1.750	3.000	3.005	.375	48
*481662H	H	1.000	1.624	1.628	.312	48	*481984N	N	1.750	3.000	3.005	.375	48
*481674	S	.875	1.689	1.690	.250	48	481992	S	1.812	3.125	3.130	.375	48
*481677	S	1.062	1.689	1.693	.250	48	*482005	S	1.875	3.125	3.130	.375	48
*481678	S	1.125	1.689	1.693	.250	48	*482009	S	2.000	3.000	3.005	.375	48
*481682	S	.656	1.752	1.756	.250	48	*482010	S	2.000	3.125	3.130	.375	48
*481684	S	.750	1.752	1.756	.250	48	*482012	S	2.062	3.000	3.005	.375	48
*481688	S	.968	1.752	1.756	.250	48	*482015	S	2.125	3.000	3.005	.375	48
*481688N	N	.968	1.752	1.756	.250	48	*482015H	H	2.125	3.000	3.005	.375	48
*481689	S	1.000	1.752	1.756	.250	48	*482015N	N	2.125	3.000	3.005	.375	48
*481689N	N	1.000	1.752	1.756	.250	48	*482015V	V	2.125	3.000	3.005	.375	48
*481692	S	1.125	1.752	1.756	.250	48	*482016	S	2.125	3.125	3.130	.375	48

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
480000 SERIES (cont.)							480000 SERIES (cont.)						
*482017	S	2.187	2.996	3.001	.437	48	*482605N	N	1.593	2.502	2.506	.281	48
*482018	S	2.187	3.000	3.005	.375	48	*482612	S	2.125	2.875	2.879	.500	48
*482019	S	2.187	3.062	3.066	.500	48	*482629	S	1.687	2.875	2.879	.500	48
*482020	S	2.187	3.125	3.130	.375	48	*482636	S	2.250	3.251	3.256	.375	48
*482029	S	2.500	3.189	3.194	.375	48	*482674	S	1.125	1.983	1.987	.375	48
*482035	S	2.187	3.371	3.376	.468	48	*482695N	S	1.812	2.624	2.629	.500	48
*482041	S	1.875	2.502	2.506	.375	48	*482758	S	1.625	2.502	2.506	.250	48
482041N	N	1.875	2.502	2.506	.375	48	*482810	S	.437	.875	.880	.250	48
*482042	S	1.593	2.437	2.441	.500	48	*482916	S	2.250	3.189	3.194	.375	48
482069N	N	.860	1.437	1.441	.250	48	*482920	S	2.250	3.371	3.376	.375	48
*482089	S	.781	1.850	1.854	.312	48	*482924	S	2.000	2.875	2.879	.312	48
*482090	S	.968	1.850	1.854	.312	48	*483010	S	1.625	2.502	2.506	.312	48
482126	S	1.750	2.328	2.332	.437	48	*483010N	N	1.625	2.502	2.506	.312	48
*482144	S	1.937	2.875	2.879	.312	48	*483011N	N	.875	1.573	1.577	.250	48
*482157N	N	4.250	5.251	5.256	.375	48	*483022	S	1.375	2.125	2.130	.375	48
482163	S	1.375	1.983	1.987	.312	48	*483027V	V	.984	1.749	1.753	.375	48
482163N	N	1.375	1.983	1.987	.312	48	483054N	N	1.175	1.828	1.832	.312	48
*482164	S	1.750	2.502	2.506	.312	48	*483054V	V	1.175	1.828	1.832	.312	48
482164N	N	1.750	2.502	2.506	.312	48	*483197N	N	1.375	2.835	2.839	.312	48
*482167	S	1.375	2.250	2.254	.325	48	*483203	S	1.187	1.752	1.756	.250	48
*482170	S	1.625	2.875	2.879	.500	48	*483205	S	1.187	2.125	2.129	.250	48
*482179	S	1.750	2.750	2.754	.312	48	*483214	S	1.375	2.250	2.254	.312	48
*482185	S	1.750	2.623	2.627	.312	48	*483215	S	1.375	2.374	2.378	.312	48
482208	S	1.125	1.624	1.628	.245	48	*483215V	V	1.375	2.374	2.378	.312	48
*482213	S	1.562	2.250	2.254	.312	48	*483227	S	1.500	2.125	2.129	.312	48
482230N	N	1.250	2.126	2.130	.375	48	*483228	S	1.500	2.502	2.506	.312	48
*482246	S	1.750	2.374	2.378	.437	48	*483229	S	1.562	2.502	2.506	.312	48
482253	S	1.593	2.502	2.506	.250	48	*483230	S	1.625	2.250	2.254	.312	48
*482253N	N	1.593	2.502	2.506	.250	48	483230V	V	1.625	2.250	2.254	.312	48
*482258	S	1.375	2.000	2.004	.312	48	*483231	S	1.625	2.374	2.378	.312	48
482258V	V	1.375	2.000	2.004	.312	48	*483232	S	1.625	2.623	2.627	.312	48
482267	S	1.750	3.153	3.159	.312	48	*483237	S	1.750	2.374	2.378	.312	48
*482299	S	1.562	2.374	2.378	.312	48	*483238	S	1.875	2.875	2.879	.312	48
*482299N	N	1.562	2.374	2.378	.312	48	483238V	V	1.875	2.875	2.879	.312	48
482309	S	.968	1.850	1.854	.375	48	*483239	S	1.875	3.000	3.005	.312	48
482310	S	.968	2.048	2.052	.375	48	*483240	S	1.875	3.125	3.130	.312	48
*482319	S	1.937	2.623	2.627	.312	48	*483241	S	1.937	2.750	2.754	.312	48
*482336	S	1.000	1.828	1.832	.375	48	*483242	S	2.000	3.125	3.130	.312	48
*482350	S	1.187	2.165	2.169	.250	48	*483243	S	2.125	3.251	3.256	.375	48
*482371	S	.906	1.625	1.629	.312	48	*483244	S	2.187	2.875	2.879	.375	48
*482394	S	1.937	3.000	3.005	.312	48	*483245	S	2.187	3.251	3.256	.375	48
*482397	S	2.000	3.000	3.005	.312	48	*483246	S	2.375	3.251	3.256	.375	48
*482401	S	1.625	2.437	2.441	.500	48	483246N➔	N	2.375	3.251	3.256	.375	48
*482401V	V	1.625	2.437	2.441	.500	48	*483247	S	2.375	3.371	3.376	.375	48
482415★	S	38.00	52.27	52.40	6.35	48	*483248	S	2.625	3.371	3.376	.375	48
		1.496	2.058	2.063	.250		483323V	V	2.250	3.000	3.005	.438	48
*482422	S	1.437	2.062	2.066	.375	48	*483326	S	1.730	2.834	2.838	.468	48
*482435	S	2.172	3.345	3.350	.500	48	483367V	V	1.625	2.437	2.441	.312	48
*482439	S	1.875	2.623	2.627	.312	48	483459H	H	1.937	2.686	2.690	.312	48
*482454	S	1.093	1.625	1.628	.312	48	483488➔	S	1.175	1.771	1.775	.275	48
*482457H	H	1.156	1.874	1.878	.437	48	*483503	S	1.750	2.500	2.504	.375	48
*482475	S	1.187	1.874	1.878	.250	48	*483525V	V	1.618	2.124	2.128	.250	48
*482485	S	2.000	2.686	2.690	.375	48	*483562	S	1.375	1.983	1.987	.375	48
*482492	S	2.000	2.750	2.754	.312	48	*483562N	N	1.375	1.983	1.987	.375	48
*482513H	H	2.156	2.875	2.879	.375	48	*483565	S	1.750	2.497	2.501	.500	48
*482522	S	1.000	1.874	1.878	.375	48	*483602	S	1.730	2.834	2.838	.375	48
*482523	S	1.125	1.874	1.878	.375	48	*483643	S	1.494	1.875	1.879	.187	48
*482554N	N	1.500	1.983	1.987	.437	48	*483738V★	V	50.00	68.00	68.15	8.00	48
*482572	S	1.875	2.750	2.754	.312	48			1.969	2.677	2.683	.315	
*482576	S	1.375	2.125	2.129	.375	48	483793	S	1.343	2.441	2.445	.375	48
482576N	N	1.375	2.125	2.129	.375	48	*483801	S	1.875	2.441	2.445	.325	48
*482582	S	.968	1.750	1.754	.375	48	*483815	S	2.125	3.350	3.356	1.250	48
*482583★	S	25.00	47.00	47.10	9.50	48	484054	S	1.326	2.061	2.065	.375	48
		.984	1.850	1.854	.374		484058	S	1.322	2.227	2.231	.375	48
*482584	S	1.062	1.828	1.832	.375	48	*484063★	S	35.00	52.00	52.10	7.90	48
*482584V	V	1.062	1.828	1.832	.375	48			1.378	2.047	2.051	.311	
*482585	S	1.187	2.062	2.066	.375	48	484064V	V	2.062	2.561	2.565	.313	48
*482591	S	1.500	2.328	2.332	.437	48	*484103	S	1.734	2.835	2.839	.312	48

For Illustration and Material Data See Technical Section

➔ Hydrodynamic Lip Design-CW ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
480000 SERIES (cont.)							480000 SERIES (cont.)						
484114	S	.625	1.625	1.629	.250	48	*485152	S	2.875	4.125	4.130	.562	48
*484132	S	1.040	1.811	1.815	.280	48	*485154	S	3.000	4.125	4.130	.562	48
484156V	V	1.375	1.874	1.879	.240	48	*485156	S	3.125	4.125	4.130	.562	48
*484178	S	1.312	2.062	2.066	.375	48	*485160	S	3.125	4.376	4.381	.625	48
*484206	S	1.618	2.000	2.004	.235	48	*485162	S	3.250	4.376	4.381	.625	48
*484211	S	1.000	2.000	2.004	.500	48	*485165	S	3.375	4.499	4.504	.468	48
*484236V★	V	45.00	61.00	61.16	9.00	48	*485173	S	3.500	4.751	4.756	.625	48
		1.772	2.402	2.408	.354		*485175	S	3.625	4.751	4.756	.625	48
*484247	S	1.875	2.560	2.565	.468	48	*485177	S	3.750	4.751	4.756	.625	48
*485001	S	2.500	3.543	3.548	.500	48	*485179	S	3.875	4.751	4.756	.625	48
*485002	S	2.562	3.623	3.628	.468	48							
485003	S	2.625	3.623	3.628	.468	48	*485179N	N	3.875	4.751	4.756	.625	48
*485003V	V	2.625	3.623	3.628	.468	48	*485192	S	4.000	5.251	5.256	.468	48
*485004	S	2.750	3.751	3.756	.500	48	*485194H	H	4.187	5.250	5.256	.468	48
*485006	S	2.875	3.751	3.756	.500	48	*485195	S	4.250	5.251	5.256	.468	48
*485007	S	2.625	3.876	3.881	.468	48	485195H	H	4.250	5.251	5.256	.468	48
*485009	S	2.750	3.876	3.881	.468	48	*485196	S	4.250	5.376	5.381	.500	48
*485011	S	2.875	4.003	4.008	.468	48	*485197H	H	4.312	5.501	5.506	.562	48
*485011N	N	2.875	4.003	4.008	.468	48	*485198	S	4.375	5.501	5.506	.562	48
*485013	S	3.000	4.003	4.008	.468	48	*485200	S	4.500	5.501	5.506	.562	48
*485014	S	3.000	4.249	4.254	.625	48	*485201	S	4.000	5.999	6.007	.625	48
*485016	S	3.125	4.249	4.254	.625	48	*485205	S	4.250	5.999	6.007	.625	48
*485018	S	3.250	4.249	4.254	.625	48	*485207	S	4.375	5.999	6.007	.625	48
*485019	S	3.000	4.999	5.004	.468	48	*485209	S	4.500	5.999	6.007	.625	48
*485021	S	3.125	4.999	5.004	.468	48	*485211	S	4.625	5.999	6.007	.625	48
*485023	S	3.250	4.999	5.004	.468	48	*485213	S	4.750	5.999	6.007	.625	48
*485025	S	3.375	4.999	5.004	.468	48	*485234	S	2.250	3.623	3.628	.468	48
*485027	S	3.500	4.999	5.004	.468	48	*485245	S	3.125	4.751	4.756	.625	48
*485027N	N	3.500	4.999	5.004	.468	48	*485259	S	2.250	3.751	3.756	.500	48
*485029	S	3.625	4.999	5.004	.468	48	*485260	S	2.062	3.623	3.628	.468	48
*485031	S	3.750	4.999	5.004	.468	48	*485262	S	3.500	5.501	5.506	.562	48
*485033	S	3.875	4.999	5.004	.468	48	*485265	S	3.250	4.751	4.756	.625	48
*485033V	V	3.875	4.999	5.004	.468	48	*485271	S	5.000	5.999	6.007	.625	48
*485035	S	4.000	4.999	5.004	.468	48	*485272	S	2.750	4.003	4.008	.468	48
*485035N	N	4.000	4.999	5.004	.468	48	*485281	S	3.000	3.751	3.756	.500	48
*485036	S	4.000	5.501	5.506	.562	48	*485296	S	2.625	4.003	4.008	.468	48
*485040	S	4.250	5.501	5.506	.562	48	*485303	S	2.875	3.623	3.628	.375	48
*485041	S	4.000	5.751	5.756	.562	48	*485303N	N	2.875	3.623	3.628	.375	48
*485045	S	4.250	5.751	5.756	.562	48	*485304	S	3.250	4.249	4.254	.500	48
*485047	S	4.375	5.751	5.756	.562	48	*485315	S	2.750	3.623	3.628	.468	48
*485049	S	4.500	5.751	5.756	.562	48	*485322	S	2.750	3.543	3.548	.500	48
*485053	S	4.750	5.751	5.756	.562	48	*485328	S	3.250	5.251	5.256	.468	48
*485054	S	4.000	6.250	6.256	.562	48	*485350	S	2.187	3.623	3.628	.468	48
*485058	S	4.250	6.250	6.256	.562	48	*485354	S	3.125	4.003	4.008	.468	48
*485060	S	4.375	6.250	6.256	.562	48	*485355	S	2.875	3.876	3.881	.468	48
*485062	S	4.500	6.250	6.256	.562	48	*485364	S	2.750	3.500	3.505	.500	48
*485064	S	4.625	6.250	6.256	.562	48	*485364H	H	2.750	3.500	3.505	.500	48
*485066	S	4.750	6.250	6.256	.562	48	485364N	N	2.750	3.500	3.505	.500	48
*485068	S	4.875	6.250	6.256	.562	48	*485368	S	2.625	3.500	3.505	.500	48
*485070	S	5.000	6.250	6.256	.562	48	*485369	S	2.500	3.623	3.628	.468	48
*485072	S	6.000	7.501	7.508	.562	48	*485371	S	4.625	5.751	5.756	.562	48
*485079	S	2.500	3.751	3.756	.500	48	*485379	S	3.750	4.751	4.756	.500	48
*485082	S	2.500	3.876	3.881	.468	48	*485379N	N	3.750	4.751	4.756	.500	48
*485088	S	3.000	4.499	4.504	.468	48	*485389	S	3.625	4.499	4.504	.468	48
*485091	S	4.875	5.999	6.007	.625	48	*485394	S	3.125	5.251	5.256	.468	48
*485093	S	2.250	3.500	3.505	.500	48	*485396	S	3.500	5.751	5.756	.562	48
*485095	S	2.375	3.500	3.505	.500	48	*485423	S	3.750	5.501	5.506	.562	48
*485137	S	3.250	4.499	4.504	.468	48	*485436	S	3.625	5.751	5.756	.562	48
*485138	S	4.750	5.750	5.756	.500	48	*485437	S	3.500	4.750	4.756	.500	48
*485138V	V	4.750	5.751	5.756	.500	48	*485449	S	2.500	3.500	3.505	.375	48
*485144	S	2.875	4.499	4.504	.468	48	*485458	S	2.625	3.623	3.628	.375	48
*485145	S	3.125	4.499	4.504	.468	48	*485479	S	3.000	3.876	3.881	.468	48
*485146	S	3.500	4.499	4.504	.468	48	*485483	S	2.625	3.500	3.505	.375	48
*485147	S	2.500	3.500	3.505	.500	48	485497	S	3.625	4.874	4.879	.585	48
*485148	S	3.875	5.251	5.256	.468	48	*485498	S	3.562	4.499	4.504	.468	48
*485149	S	2.625	3.751	3.756	.500	48	*485500N	N	3.298	4.125	4.130	.562	48
*485150	S	3.750	5.251	5.256	.468	48	*485559	S	3.500	5.251	5.256	.468	48
*485151	S	2.687	3.751	3.756	.500	48	*485566	S	3.250	4.125	4.130	.562	48
							*485613	S	3.375	4.249	4.254	.625	48

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
480000 SERIES (cont.)							480000 SERIES (cont.)						
*485636	S	2.187	3.500	3.505	.500	48	*486865	S	5.000	6.250	6.256	.500	48
*485645	S	5.250	6.500	6.507	.562	48	*486888	S	4.500	5.500	5.506	.500	48
*485655	S	2.500	4.003	4.008	.468	48	*486888H	H	4.500	5.500	5.506	.500	48
*485659	S	2.125	3.500	3.505	.500	48	*486891	S	4.250	5.500	5.506	.500	48
*485697	S	3.875	5.125	5.131	.500	48	*486892	S	4.500	5.750	5.756	.500	48
*485725	S	5.000	6.001	6.007	.500	48	*486893	S	3.062	4.003	4.008	.468	48
*485725H	H	5.000	5.999	6.007	.500	48	*486921	S	2.875	4.003	4.008	.375	48
*485725N	N	5.000	5.999	6.007	.500	48	*486923V	V	3.750	4.750	4.756	.375	48
*485836	S	3.000	4.003	4.008	.437	48	*486985	S	3.875	4.750	4.756	.375	48
*485852	S	3.750	5.751	5.756	.562	48	*486985V	V	3.875	4.750	4.756	.375	48
*485869N	N	5.500	7.248	7.255	.656	48	*487034V	V	3.125	4.003	4.008	.500	48
*485894	S	3.375	4.376	4.381	.500	48	*487056	S	3.250	6.374	6.380	.468	48
*485937	S	3.625	4.751	4.756	.500	48	*487063V	V	4.875	5.750	5.756	.500	48
*485953	S	4.000	4.999	5.004	.500	48	*487082	S	2.625	4.003	4.008	.375	48
*485960	S	2.750	3.876	3.881	.375	48	*487119	S	3.000	4.125	4.130	.438	48
*485984	S	2.750	3.623	3.628	.375	48	*487158	S	2.875	3.876	3.881	.375	48
*485991N	N	3.500	4.501	4.506	.468	48	*487162	S	3.000	4.500	4.506	.500	48
*485996N	N	3.375	4.280	4.285	.406	48	*487171	S	3.125	4.375	4.381	.500	48
*486011	S	3.125	4.125	4.130	.500	48	*487172	S	3.125	4.500	4.506	.500	48
*486023	S	3.000	3.751	3.756	.375	48	*487181	S	3.250	4.376	4.381	.500	48
*486023N	N	3.000	3.751	3.756	.375	48	*487191	S	3.375	4.500	4.506	.500	48
*486041	S	3.750	4.626	4.632	.500	48	*487196	S	3.500	4.625	4.631	.500	48
*486043	S	3.875	5.751	5.756	.562	48	*487205	S	3.750	4.875	4.881	.500	48
*486047	S	3.625	4.625	4.631	.500	48	*487211	S	3.875	4.875	4.881	.500	48
*486107	S	5.500	6.750	6.757	.575	48	*487247	S	4.750	6.001	6.007	.500	48
*486125	S	3.625	4.999	5.004	.500	48	*487250V	V	4.750	6.000	6.006	.500	48
*486128	S	3.875	5.501	5.506	.562	48	*487254	S	5.500	6.500	6.507	.562	48
*486130	S	4.000	5.375	5.381	.500	48	*487262	S	5.250	6.250	6.256	.500	48
*486135	S	4.250	5.625	5.631	.500	48	*487278	S	5.000	6.375	6.381	.500	48
*486153	S	4.500	5.625	5.631	.500	48	*487316	S	2.750	3.751	3.756	.375	48
*486167	S	4.875	5.999	6.007	.500	48	*487319	S	3.375	4.250	4.255	.280	48
*486167H	H	4.875	5.999	6.007	.500	48	*487343	S	2.625	3.751	3.756	.375	48
*486267	S	2.125	3.501	3.505	.375	48	*487344	S	2.875	3.751	3.756	.375	48
*486268	S	2.187	3.500	3.505	.375	48	*487344V	V	2.875	3.751	3.756	.375	48
*486271	S	2.375	3.500	3.505	.375	48	*487349	S	3.000	3.751	3.756	.437	48
*486273	S	2.500	3.623	3.628	.375	48	*487350	S	3.000	3.876	3.881	.437	48
*486281N	N	2.750	4.125	4.130	.562	48	*487351	S	3.000	4.125	4.130	.437	48
*486281V	V	2.750	4.125	4.130	.562	48	*487352	S	3.250	4.500	4.506	.500	48
*486286	S	2.875	4.249	4.254	.625	48	*487353	S	3.250	4.626	4.632	.500	48
*486287	S	3.125	4.249	4.254	.468	48	*487354	S	3.375	4.626	4.632	.500	48
*486288	S	3.125	4.249	4.254	.500	48	*487355	S	3.625	4.875	4.881	.500	48
*486294	S	3.375	4.249	4.254	.500	48	*487356	S	4.000	5.125	5.131	.500	48
*486303	S	3.250	4.626	4.631	.437	48	*487357	S	4.000	5.250	5.256	.500	48
*486319	S	3.375	4.626	4.631	.437	48	*487358	S	5.250	6.375	6.381	.500	48
*486319V	V	3.375	4.626	4.631	.437	48	*487359	S	5.250	6.625	6.632	.562	48
*486323	S	3.375	4.751	4.756	.625	48	*487360	S	5.500	6.625	6.632	.562	48
*486327	S	3.375	5.251	5.256	.468	48	*487361	S	5.500	6.875	6.882	.562	48
*486328	S	3.500	4.626	4.631	.437	48	*487362	S	5.750	6.750	6.757	.575	48
*486332	S	3.625	4.626	4.631	.437	48	*487363	S	5.750	6.875	6.882	.562	48
*486332N	N	3.625	4.626	4.631	.437	48	*487364	S	5.750	7.125	7.132	.562	48
*486335	S	3.625	5.251	5.256	.468	48	*487365	S	6.000	7.125	7.132	.562	48
*486336	S	3.750	4.626	4.631	.437	48	*487366	S	3.875	5.250	5.256	.500	48
*486339	S	3.750	4.999	5.004	.500	48	*487384N	N	2.750	4.375	4.380	.625	48
*486345	S	3.875	4.999	5.004	.500	48	*487397N	N	3.625	4.624	4.630	.500	48
*486370	S	3.000	4.751	4.756	.625	48	*487397V	V	3.625	4.624	4.630	.500	48
*486380	S	4.375	5.500	5.506	.500	48	*487658	S	2.634	3.937	3.942	.375	48
*486414	S	3.500	4.500	4.506	.500	48	*487678N	N	2.750	4.125	4.130	.437	48
*486517	S	3.937	5.905	5.911	.500	48	*487806	S	4.687	6.001	6.007	.280	48
*486544N	N	3.750	4.751	4.756	.375	48	*487945	S	2.000	3.623	3.628	.375	48
*486556	S	4.250	5.250	5.256	.500	48	*488020V	V	2.875	3.740	3.746	.551	48
486567	S	3.375	4.370	4.375	.250	48	490000 SERIES						
*486624	S	3.500	4.376	4.381	.500	48	*492486	S	2.375	3.266	3.270	.495	49
*486642	S	8.750	10.250	10.260	.688	48	*492521N	N	1.500	2.000	2.005	.250	49
*486642H	H	8.750	10.250	10.260	.688	48	*492702	S	2.000	2.623	2.627	.250	49
*486664	S	2.750	3.500	3.505	.375	48	*493291★	S	57.99	80.14	80.24	9.53	49
*486666	S	5.750	7.001	7.008	.562	48			2.283	3.155	3.159	.375	
*486701	V	6.125	7.125	7.131	.500	48	493524	S	2.000	2.846	2.850	.375	49
486857	S	2.648	3.812	3.817	.500	48	493637	S	2.330	2.997	3.001	.312	49

For Illustration and Material Data See Technical Section

★ Hydrodynamic Lip Design-CW ★ Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
490000 SERIES (cont.)							710000 SERIES (cont.)						
*493759★	S	48.00	65.00	65.10	7.00	49	710056★◄	V	91.00	111.00	111.20	10.00	47
		1.890	2.559	2.563	.276				3.583	4.370	4.378	.394	
494117★	S	42.00	56.00	56.28	7.00	49	710057★	S	36.00	65.00	65.20	8.00	48
		1.654	2.205	2.216	.276				1.417	2.559	2.567	.315	
494122★	S	45.00	62.00	62.10	6.00	49	710058	S	1.937	2.562	2.566	.317	48
		1.772	2.441	2.445	.236		710059	S	1.000	1.322	1.328	.210	48
494123★	S	51.00	63.00	63.12	6.00	49	710060★◄	H	95.00	118.00	118.16	8.50	32
		2.008	2.480	2.485	.236				3.740	4.646	4.652	.335	
*498040	S	3.750	5.000	5.009	.370	49	710061◄	H	4.000	4.921	4.932	.512	32
580000 SERIES							710062	S	1.750	2.374	2.378	.484	#
*580387★►	S	32.00	47.00	47.20	8.00	32	*710063	S	1.625	2.440	2.444	.500	#
		1.260	1.850	1.858	.315		*710064★	S	52.00	68.00	68.09	12.09	#
*580388★►	S	34.00	48.00	48.20	7.00	32			2.047	2.677	2.681	.476	
		1.339	1.890	1.898	.276		710065★	S	30.00	65.00	65.23	34.00	#
600000 SERIES									1.181	2.559	2.568	1.339	
*600305★◄	T	95.00	115.00	115.32	12.12	#	*710066&	S	1.400	2.478	2.486	.521	83
		3.740	4.528	4.540	.477		710067◄►	S	1.703	3.030	3.039	.500	69
*600319◄	V	6.107	6.750	6.757	.675	41	710068	S	1.190	2.122	2.128	.350	#
710000 SERIES							710069&	S	2.201	2.830	2.836	.450	#
710005	S	1.750	3.062	3.066	.485	86	710070★	S	33.00	44.00	44.18	7.00	47
710006►	N	2.375	4.500	4.504	1.060	74			1.299	1.732	1.739	.276	
710007	S	2.000	3.370	—	1.020	#	710071★	S	50.00	94.00	94.28	24.00	#
710008&	N	3.000	5.751	5.756	.840	74			1.969	3.701	3.712	.945	
710009	U	3.000	4.000	4.012	.600	#	710072★	S	57.00	79.00	79.28	13.50	#
710010	U	2.750	3.750	3.754	.500	#			2.244	3.110	3.121	.531	
710011	U	3.000	4.000	4.008	.500	#	710073★	S	54.00	75.18	75.48	17.00	#
710012	U	1.500	2.250	2.254	.375	#			2.126	2.960	2.972	.669	
710013	U	1.750	2.437	2.441	.375	#	710074★	S	57.00	79.00	79.28	14.98	#
710014	U	1.250	1.750	1.756	.250	#			2.244	3.110	3.121	.590	
710015	U	3.500	4.500	4.504	.500	#	710075◄	V	2.832	3.625	3.635	.374	32
710016	U	3.250	4.250	4.255	.500	#	710076	S	1.350	1.620	1.625	.355	#
710017	U	2.000	2.687	2.690	.375	#	710077	S	3.375	3.948	3.955	.375	32
710018	U	2.500	3.250	3.255	.375	#	710078★	V	45.00	62.00	62.15	8.00	47
710019	U	1.875	2.875	2.886	.625	#			1.772	2.441	2.447	.315	
710020	U	1.500	2.250	—	.500	#	710080	S	3.125	4.450	4.456	.880	#
*710021	N	2.125	3.063	3.068	.370	7S	710081	S	1.937	3.930	3.935	.320	#
710022	H	4.000	4.999	5.004	.468	45	710084★	S	120.00	140.00	140.21	10.50	47
710023	U	1.500	2.000	—	.250	#			4.724	5.512	5.520	.413	
710024	U	1.750	2.250	—	.250	#	710085★	S	95.00	132.00	132.26	12.00	#
710025	U	2.000	2.500	—	.250	#			3.740	5.197	5.207	.472	
710026	U	2.250	2.750	—	.250	#	710086★	S	56.00	122.00	122.25	8.00	#
710027	U	2.500	3.000	—	.313	#			2.205	4.803	4.813	.315	
710028	U	3.000	3.500	—	.313	#	710087★	S	75.00	112.00	112.17	10.00	45
710029	U	3.500	4.000	—	.313	#			2.953	4.409	4.416	.394	
710030	U	3.500	4.125	—	.313	#	710088	S	3.330	5.045	5.050	.800	#
710031	U	4.000	4.750	4.760	.313	#	710089★	S	118.00	173.00	173.80	28.00	#
710032	U	5.000	5.750	—	.313	#			4.646	6.811	6.843	1.102	
*710033	U	2.500	3.000	—	.313	#	710090	S	3.040	6.412	6.418	.658	#
710034	U	2.500	3.000	—	.375	#	710091&	S	2.700	3.499	3.504	.462	272
710035	U	3.750	4.375	—	.312	#	710092★	S	66.00	85.00	85.12	10.00	41
710036	U	4.000	4.625	4.634	.312	#			2.598	3.346	3.351	.394	
*710037	U	4.750	5.375	—	.312	#	710093★	S	60.00	75.00	86.00	11.80	#
710038	U	2.750	3.250	—	.312	#			2.362	2.953	3.386	.465	
710039	U	2.735	3.415	—	.188	#	710094★	S	65.00	82.00	82.09	8.00	66
710040	U	2.000	2.500	—	.375	#			2.559	3.228	3.232	.315	
710041	U	2.250	2.750	—	.375	#	710095	S	1.775	—	1.970	.365	#
710042	U	2.485	3.165	—	.188	#	710096★◄►	N	35.00	56.90	57.05	19.41	74
710043	S	1.301	2.620	2.625	.315	#			1.378	2.240	2.246	.764	
710044	S	1.500	1.875	—	.188	#	710097★	S	42.00	56.00	56.21	6.00	#
710045	S	2.250	—	2.840	.500	VRS1			1.654	2.205	2.213	.236	
710046►	S	1.552	2.447	2.452	.500	86	710098★	S	50.00	64.10	64.19	6.50	71
*710050★	S	40.00	75.00	75.30	12.00	32			1.969	2.524	2.527	.256	
		1.575	2.953	2.965	.472		710101◄►	S	1.250	2.398	2.402	.228	#
710051★&	S	35.00	48.00	48.28	15.00	86	710102	S	1.650	2.410	2.414	.361	#
		1.378	1.890	1.901	.591		710103	S	3.142	3.733	3.736	.565	#
710053	S	1.047	1.811	1.815	.285	48	710105◄►	S	1.705	3.080	3.084	.461	#
							710106	S	3.133	3.547	3.551	.366	#
							710107★%	S	52.00	77.00	78.00	9.00	#
									2.047	3.031	3.071	.354	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ► Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄► Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
710000 SERIES (cont.)							710000 SERIES (cont.)						
710108★	S	56.00	76.00	76.12	12.30	66	710143★	S	47.00	84.00	84.20	11.00	#
		2.205	2.992	2.997	.484				1.850	3.307	3.315	.433	
710109★↔	N	34.00	63.00	63.09	9.00	40	710144★◄	S	58.00	78.00	78.20	10.00	#
		1.339	2.480	2.484	.354				2.283	3.071	3.079	.394	
710110★↔	N	34.00	54.00	54.25	9.00	40	710146★	S	56.00	76.00	76.15	11.50	72
		1.339	2.126	2.136	.354				2.205	2.992	2.998	.453	
710111★◄	N	35.00	50.00	50.28	11.50	#	710147★	S	40.00	60.00	60.20	8.00	#
		1.378	1.969	1.980	.453				1.575	2.362	2.370	.315	
710112★↔	N	50.00	80.00	80.30	16.00	#	710148★	S	49.00	72.20	72.50	8.00	97
		1.969	3.150	3.161	.630				1.929	2.843	2.854	.315	
710113★	S	40.00	75.00	75.30	12.00	#	710149★	S	37.00	52.00	52.15	6.00	#
		1.575	2.953	2.965	.472				1.457	2.047	2.053	.236	
710114★→	N	41.00	59.00	59.10	10.00	98	710150★	S	47.00	80.00	80.20	12.70	#
		1.614	2.323	2.327	.394				1.850	3.150	3.157	.500	
710115★↔	S	44.00	80.00	80.12	8.00	98	710151★	S	34.00	65.00	65.10	12.00	47
		1.732	3.150	3.154	.315				1.339	2.559	2.563	.472	
710116★	N	14.00	25.00	25.20	7.00	32	710152★	S	36.00	64.00	64.20	11.00	#
		.551	.984	.992	.276				1.417	2.520	2.528	.433	
710117★	N	50.00	86.00	86.30	13.00	#	710153★	S	26.00	44.00	44.20	8.00	#
		1.969	3.386	3.398	.512				1.024	1.732	1.740	.315	
710118★	S	39.00	59.00	59.30	11.00	40	710154★	S	19.00	38.00	38.20	7.00	32
		1.535	2.323	2.335	.433				.748	1.496	1.504	.276	
710119★	N	28.00	43.00	43.23	8.00	32	710155★	S	23.00	34.00	34.23	6.50	35
		1.102	1.693	1.702	.315				.905	1.339	1.348	.256	
710120★	N	39.00	50.00	50.29	11.00	#	710156★	S	18.00	32.00	32.10	7.00	#
		1.535	1.969	1.980	.433				.709	1.260	1.264	.276	
710121★	N	59.00	100.00	100.28	10.00	#	710157★→	S	28.00	43.00	43.23	7.00	32
		2.323	3.937	3.948	.394				1.102	1.693	1.702	.276	
710122★	N	39.00	57.00	57.20	21.50	40	710158★	S	39.00	55.00	55.11	7.50	40
		1.535	2.244	2.252	.846				1.535	2.165	2.170	.295	
710123★	N	39.00	57.00	57.20	17.00	40	710159★	S	43.00	58.47	58.62	7.50	#
		1.535	2.244	2.252	.669				1.693	2.302	2.308	.295	
710124★	N	33.00	59.00	59.20	17.00	#	710160★	S	45.00	66.00	66.24	7.50	#
		1.299	2.323	2.331	.669				1.772	2.598	2.608	.295	
710125★	S	56.00	74.00	74.20	8.00	#	710161★	S	46.00	68.50	68.70	7.50	#
		2.205	2.913	2.921	.315				1.811	2.697	2.705	.295	
710126★	S	46.00	69.40	69.60	11.00	#	710162	V	1.937	2.750	2.754	.313	48
		1.811	2.732	2.740	.433		710163	S	.000	.000	.000	.000	#
710127★	S	55.00	68.00	68.20	8.00	#							
		2.165	2.677	2.685	.315		710164★	V	32.00	50.00	50.14	8.00	48
710128★	S	46.00	69.40	69.60	10.00	#			1.260	1.969	1.974	.315	
		1.811	2.732	2.740	.394		710165★	S	38.00	68.00	68.20	8.00	#
710129★	S	57.00	77.00	77.20	8.00	#			1.496	2.677	2.685	.315	
		2.244	3.031	3.039	.315		710166	S	1.399	2.290	2.294	.500	74
710130★	S	64.00	77.00	77.20	8.00	#	710167★	S	48.00	64.00	64.20	14.00	#
		2.520	3.031	3.039	.315				1.890	2.520	2.528	.551	
710131★	S	40.00	62.00	62.20	9.00	#	710168★	S	59.00	75.00	75.11	10.00	47
		1.575	2.441	2.449	.354				2.323	2.953	2.957	.394	
710132★	N	33.00	56.00	56.23	8.00	#	710169★	S	56.00	67.00	67.20	6.00	#
		1.299	2.008	2.214	.315				2.205	2.638	2.646	.236	
710133★	N	42.00	90.00	90.09	9.00	#	710170★	S	61.00	88.00	88.00	7.00	#
		1.654	3.543	3.547	.354				2.402	3.465	3.465	.276	
710134★	S	40.00	65.00	65.20	20.00	#	710171	N	2.200	2.804	—	.300	#
		1.575	2.559	2.567	.787		710172★	V	31.00	42.00	42.20	8.00	35
710135★	S	50.00	70.00	70.20	14.00	#			1.220	1.654	1.661	.315	
		1.969	2.756	2.764	.551		710173★	N	50.00	70.00	70.20	10.00	#
710136★	S	58.00	75.00	75.20	7.00	#			1.969	2.756	2.764	.394	
		2.283	2.953	2.961	.276		710174	S	2.748	3.881	3.885	.464	47
710137★	S	50.00	74.00	74.20	9.00	#	710175★	S	53.00	68.20	68.48	7.00	32
		1.969	2.913	2.921	.354				2.087	2.685	2.696	.276	
710138★↔	S	35.00	63.00	63.20	9.00	40	710176★	S	56.00	74.00	74.14	8.50	87
		1.378	2.480	2.488	.354				2.205	2.913	2.919	.335	
710139★	N	38.00	58.00	58.20	10.00	#	710178★	S	35.00	49.00	49.30	8.00	#
		1.496	2.283	2.291	.394				1.378	1.929	1.941	.315	
710140★	S	40.50	58.00	58.23	8.00	32	710179★→	S	42.00	64.80	65.00	13.50	32
		1.594	2.283	2.293	.315				1.654	2.551	2.555	.531	
710141★◄	N	41.00	61.00	61.20	10.00	#	710180◄	V	3.250	3.879	3.881	.375	47
		1.614	2.402	2.409	.394		710181	S	1.125	1.630	1.634	.313	#
710142★	S	43.00	70.00	70.20	9.00	#	710182★	S	60.00	86.00	86.10	7.00	66
		1.693	2.756	2.764	.354				2.362	3.386	3.390	.276	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use → Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
710000 SERIES (cont.)							710200 SERIES (cont.)						
710183★	S	58,00	76,00	76,10	6,50	66	710224★	S	38,00	62,00	62,10	6,00	49
		2.283	2.992	2.996	.256				1.496	2.441	2.445	.236	
710186★	S	42,00	56,30	56,44	8,00	#	710225★	S	57,00	80,00	80,10	8,00	#
		1.654	2.216	2.222	.315				2.244	3.150	3.154	.315	
710187★➡	N	52,00	70,00	70,27	8,50	32	710226★	S	50,00	65,30	65,53	8,00	32
		2.047	2.756	2.766	.335				1.969	2.571	2.580	.315	
710188★◄	V	88,00	106,00	106,28	8,50	32	710227★	S	40,00	62,00	62,30	6,50	#
		3.465	4.173	4.184	.335				1.575	2.441	2.453	.256	
710189★◄	V	89,00	105,00	105,20	10,00	47	710228★	S	37,00	62,00	62,23	10,00	40
		3.504	4.134	4.142	.394				1.457	2.441	2.450	.394	
710190★	V	52,00	68,00	68,15	8,00	32	710229★	S	59,00	78,30	78,55	8,00	40
		2.047	2.677	2.683	.315				2.323	3.083	3.093	.315	
710191★	S	47,00	64,00	64,08	7,00	25	710230★	S	58,00	76,00	76,23	7,80	#
		1.850	2.520	2.523	.276				2.283	2.992	3.001	.307	
710192★	S	50,00	60,00	60,25	6,00	32	710231★	S	59,00	78,30	78,55	8,00	32
		1.969	2.362	2.372	.236				2.323	3.083	3.093	.315	
710193★	S	45,00	59,00	59,28	7,50	32	710232★◄	V	86,00	104,00	104,23	11,00	32
		1.772	2.323	2.334	.295				3.386	4.094	4.104	.433	
710194★	S	50,00	68,00	68,27	7,00	32	710233★➡	N	38,50	53,00	53,23	8,00	32
		1.969	2.677	2.688	.276				1.516	2.087	2.096	.315	
710195★	S	42,00	76,00	76,28	12,00	40	710234★◄	N	68,00	84,00	84,23	8,50	32
		1.654	2.992	3.003	.472				2.677	3.307	3.316	.335	
710196★	V	40,00	62,00	62,27	10,00	32	710235★◄	V	86,00	103,00	103,23	10,00	32
		1.575	2.441	2.452	.394				3.386	4.055	4.064	.394	
710197★	N	36,00	54,00	54,28	7,00	40	710236★➡	N	33,00	49,00	49,23	8,00	32
		1.417	2.126	2.137	.276				1.299	1.929	1.938	.315	
710198	S	1.565	2.372	2.382	.394	#	710237★◄	V	90,00	104,00	104,10	11,00	32
710199★◄➡	N	35,00	54,00	54,10	9,00	#			3.543	4.094	4.098	.433	
		1.378	2.126	2.130	.354		710238★➡	S	46,00	70,00	70,10	8,00	32
710200 SERIES									1.811	2.756	2.760	.315	
710201★	S	35,00	60,00	60,30	12,00	47	710239★	N	54,00	69,00	69,23	7,00	40
		1.378	2.362	2.374	.472				2.126	2.717	2.726	.276	
710202	S	1.628	2.122	2.126	.343	#	710240★%	S	75,00	83,00	87,00	4,00	#
710203★	S	54,00	81,99	82,17	8,00	66			2.953	3.268	3.425	.157	
		2.126	3.228	3.235	.315		710241	S	1.628	2.278	2.282	.343	68
710204	S	1.625	2.282	2.286	.313	48	710242★➡	N	52,00	72,00	72,28	8,00	32
710205★◄	V	96,00	117,00	117,28	12,00	32			2.047	2.835	2.846	.315	
		3.780	4.606	4.617	.472		710243★	S	16,00	26,00	26,10	7,00	25
710207★	S	42,00	72,00	72,28	10,00	40			.630	1.024	1.028	.276	
		1.654	2.835	2.846	.394		710244★	S	42,00	56,50	56,70	8,00	#
710208★	S	44,00	92,00	92,28	12,50	#			1.654	2.224	2.232	.315	
		1.732	3.622	3.633	.492		710245★➡	N	42,00	76,00	76,10	14,00	#
710209★	N	38,00	62,00	62,24	13,00	#			1.654	2.992	2.996	.551	
		1.496	2.441	2.450	.512		710246★	N	42,00	90,00	90,28	12,00	#
710210	V	2.375	3.251	3.256	.625	74			1.654	3.543	3.554	.472	
710211➡	N	1.875	2.677	2.681	.375	74	710247	N	1.503	1.937	1.950	.475	#
							710248★➡	N	45,00	78,00	78,10	11,00	66
710213★	S	62,00	78,00	78,10	7,00	281			1.772	3.071	3.075	.433	
		2.441	3.071	3.075	.276		710249★	S	20,00	26,00	26,20	4,00	97
710214★	N	39,00	59,00	59,28	11,00	40			.787	1.024	1.031	.157	
		1.535	2.323	2.334	.433		710250★	N	34,50	71,00	71,10	42,00	#
710215★	S	47,00	66,00	66,10	11,00	66			1.358	2.795	2.799	1.654	
		1.850	2.598	2.602	.433		710251★	N	17,00	34,00	34,10	7,90	47
710216★	S	28,00	42,50	42,72	8,00	35			.669	1.339	1.343	.311	
		1.102	1.673	1.682	.315		710252★	S	36,00	44,00	44,23	5,00	32
710217★	S	35,00	54,00	54,10	8,00	#			1.417	1.732	1.741	.197	
		1.378	2.126	2.130	.315		710253★%	S	52,00	62,00	63,00	5,50	#
710218★	V	35,00	56,00	56,10	16,00	#			2.047	2.441	2.480	.217	
		1.378	2.205	2.209	.630		710254★	S	23,00	31,80	32,00	5,50	34
710219★◄	N	90,00	108,00	108,23	10,00	32			.905	1.252	1.260	.217	
		3.543	4.252	4.261	.394		710255★	S	48,00	70,00	70,20	9,00	#
710220★➡	N	41,00	62,00	62,23	9,00	32			1.890	2.756	2.764	.354	
		1.614	2.441	2.450	.354		710256★	S	64,00	76,00	76,20	7,00	#
710221★	N	42,00	56,00	56,10	14,00	#			2.520	2.992	3.000	.276	
		1.654	2.205	2.209	.551		710258★◄	V	115,00	135,00	135,20	10,00	32
710222★	S	18,00	26,00	26,10	4,00	98			4.528	5.315	5.323	.394	
		.709	1.024	1.028	.157		710259★◄➡	V	37,00	56,00	56,20	12,50	32
710223★	S	44,00	66,00	66,10	6,00	#			1.457	2.205	2.213	.492	
		1.732	2.598	2.602	.236		710260★◄	S	45,00	61,00	61,20	8,00	32
									1.811	2.756	2.764	.315	

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄➡ Hydrodynamic Lip Design-Bidirectional % External Bore ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
710200 SERIES (cont.)							710200 SERIES (cont.)						
710261★➡	V	16.00	56.00	56.20	6.50	32	710299★	N	17.50	27.50	27.70	7.00	#
		.630	2.205	2.213	.256				.689	1.083	1.091	.276	
710262★⬅	V	96.00	116.00	116.26	9.00	32	710300 SERIES						
		3.780	4.567	4.577	.354		710300★	S	40.00	56.00	56.20	9.00	#
710263➡	V	2.000	2.623	2.627	.256	47			1.575	2.205	2.213	.354	
710264★➡	H	43.00	55.00	55.20	8.00	32	710301★	S	42.00	62.00	62.20	7.00	97
		1.693	2.165	2.173	.236				1.654	2.441	2.449	.276	
710265★	N	51.00	66.00	66.20	6.50	35	710302	S	.000	1.654	1.661	.315	#
		2.008	2.598	2.606	.256		710303★	S	25.50	38.50	38.70	8.50	35
710266★	S	93.00	154.00	154.10	8.00	#			1.004	1.516	1.524	.335	
		3.661	6.063	6.067	.315		710304	S	1.479	2.563	2.567	.470	#
710267★	S	30.00	54.00	54.20	9.00	32	710305★&	S	49.00	70.00	70.10	12.50	#
		1.181	2.126	2.134	.354				1.929	2.756	2.760	.492	
710268★⬅	N	58.00	103.00	103.20	11.00	40	710306★⬅	S	32.00	52.00	52.20	10.00	32
		2.283	4.055	4.063	.433				1.260	2.047	2.055	.394	
710270★	N	45.00	72.00	72.20	12.00	32	710307★⬅	N	25.00	40.00	40.20	7.00	32
		1.772	2.835	2.843	.472				.984	1.575	1.583	.276	
710271★⬅	S	58.00	74.00	74.20	10.00	32	710308★➡	S	40.00	52.00	52.20	6.00	32
		2.283	2.913	2.921	.394				1.575	2.047	2.055	.236	
710272★	N	18.70	35.00	35.20	7.00	32	710309★	S	38.00	52.00	52.20	6.00	#
		.736	1.378	1.386	.276				1.496	2.047	2.055	.236	
710273★	S	19.00	35.00	35.23	10.00	35	710310★➡	N	32.00	47.00	47.20	6.00	32
		.748	1.378	1.387	.394				1.260	1.850	1.858	.236	
710274	V	.610	1.102	1.106	.600	#	710311★	S	40.00	54.00	54.10	8.00	25
710275★⬅	N	68.00	124.00	124.10	12.00	40			1.575	2.126	2.130	.315	
		2.677	4.882	4.886	.472		710312★	S	52.00	68.00	68.20	13.00	32
710276★⬅➡	N	60.00	103.00	103.10	12.00	40			2.047	2.677	2.685	.512	
		2.362	4.055	4.059	.472		710313★➡	S	48.00	70.00	70.20	12.00	32
710277★	N	64.00	132.00	132.10	13.00	#			1.890	2.756	2.764	.472	
		2.520	5.197	5.201	.512		710314★⬅	N	35.00	56.00	56.20	8.00	40
710278★	N	100.00	145.00	145.10	26.00	#			1.378	2.205	2.213	.315	
		3.937	5.709	5.713	1.024		710315★➡	S	35.00	56.00	56.20	8.00	40
710279★	V	55.00	70.00	70.20	8.00	32			1.378	2.205	2.213	.315	
		2.165	2.756	2.764	.315		710316★➡	S	25.00	40.00	40.20	8.00	32
*710280★	V	20.00	35.00	35.20	7.00	32			.984	1.575	1.583	.315	
		.787	1.378	1.386	.276		710317★⬅	S	32.00	48.00	48.20	10.00	32
710281	S	1.940	2.900	2.910	.400	74			1.260	1.890	1.898	.394	
710282★	S	32.00	42.00	42.20	8.00	32	710318★➡	N	38.50	58.00	58.20	8.50	32
		1.260	1.654	1.661	.315				1.516	2.283	2.291	.335	
710283★	N	44.00	90.00	90.10	9.00	#	710319★	S	38.00	58.00	58.10	11.00	47
		1.732	3.543	3.547	.354				1.496	2.283	2.287	.433	
710284★	N	40.00	73.00	73.10	10.00	#	710320★	S	47.00	62.00	62.10	9.00	48
		1.575	2.874	2.878	.394				1.850	2.441	2.445	.354	
710285	S	1.125	1.630	1.634	.313	#	710321★	S	45.00	62.00	62.10	9.00	47
710286★⬅➡	N	42.00	67.00	67.20	10.00	32			1.772	2.441	2.445	.354	
		1.654	2.638	2.646	.394		710322★	S	48.00	62.00	62.20	6.00	34
710287★⬅➡	N	40.00	54.00	54.20	10.00	32			1.890	2.441	2.449	.236	
		1.575	2.126	2.134	.394		710323★	S	51.00	63.00	63.20	8.50	49
710288★⬅	S	93.00	114.00	114.20	14.00	32			2.008	2.480	2.488	.335	
		3.661	4.488	4.496	.551		710324★⬅	S	35.00	50.00	50.20	11.00	32
710289★➡	S	45.00	67.00	67.20	8.00	32			1.378	1.969	1.976	.433	
		1.772	2.638	2.646	.315		710325★➡	S	28.00	40.00	40.20	7.00	32
710290★⬅	V	100.00	124.00	124.20	13.00	32			1.102	1.575	1.583	.276	
		3.937	4.882	4.890	.512		710326★	S	40.00	64.00	64.10	12.00	66
710291★⬅	N	41.00	63.00	63.20	9.00	40			1.575	2.520	2.524	.472	
		1.614	2.480	2.488	.354		710327★➡	S	32.00	48.00	48.20	7.00	32
710292★	S	52.00	68.00	68.10	6.50	#			1.260	1.890	1.898	.276	
		2.047	2.677	2.681	.256		710328★	S	33.00	50.00	50.20	7.00	35
710293★	S	81.50	89.80	—	2.50	#			1.299	1.969	1.976	.276	
		3.209	3.535	—	.098		710329★⬅	H	35.00	50.00	50.20	8.00	32
710294★	S	84.00	100.00	100.10	10.00	47			1.378	1.969	1.976	.315	
		3.307	3.937	3.941	.394		710330★	N	85.00	113.00	113.20	10.50	#
710295★	S	106.00	123.00	123.10	11.00	47			3.346	4.449	4.457	.413	
		4.173	4.843	4.846	.433		710331★⬅	V	35.00	54.00	54.20	8.00	32
710296★	S	48.00	108.50	108.70	13.00	#			1.378	2.126	2.134	.315	
		1.890	4.272	4.280	.512		710332★⬅	N	31.00	46.00	46.20	8.00	32
710297★	S	18.00	23.00	23.20	4.00	34			1.220	1.811	1.819	.315	
		.709	.906	.913	.157		710333★⬅	S	60.00	80.00	80.20	8.00	32
710298★➡	N	42.00	63.00	63.20	9.00	40			2.362	3.150	3.157	.315	
		1.654	2.480	2.488	.354								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ⬅ Hydrodynamic Lip Design-CCW

⬅➡ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
710300 SERIES (cont.)							710300 SERIES (cont.)						
710334★◄	N	68.00	86.00	86.20	8.00	32	710370★	S	32.00	43.00	43.20	7.00	32
		2.677	3.386	3.394	.315				1.260	1.693	1.701	.276	
710335★	S	35.00	65.00	65.20	12.00	32	710371★	S	101.00	114.00	114.10	10.00	25
		1.378	2.559	2.567	.472				3.976	4.488	4.492	.394	
710336★◄	N	35.00	68.00	68.20	9.00	40	710372★	S	115.00	156.00	156.10	28.00	#
		1.378	2.677	2.685	.354				4.528	6.142	6.146	1.102	
710337★	S	47.00	72.20	72.40	6.00	34	710373★	S	65.00	85.00	85.10	10.00	47
		1.850	2.843	2.850	.236				2.559	3.346	3.350	.394	
710338★	S	39.00	52.00	52.10	6.00	66	710374★	S	49.00	100.00	100.20	8.00	#
		1.535	2.047	2.051	.236				1.929	3.937	3.945	.315	
710339★	S	70.00	112.00	112.10	14.00	25	710375★	S	76.00	102.00	102.20	9.50	#
		2.756	4.409	4.413	.551				2.992	4.016	4.024	.374	
710340★	V	30.20	42.00	42.10	6.00	44	710376★	S	75.00	112.00	112.10	10.00	#
		1.189	1.654	1.657	.236				2.953	4.409	4.413	.394	
710341★◄	S	36.00	50.00	50.20	8.00	32	710377★	S	46.00	94.50	94.70	8.00	#
		1.417	1.969	1.976	.315				1.811	3.720	3.728	.315	
710342★►	S	20.00	47.00	47.20	8.50	32	710378★	S	68.00	82.00	82.20	7.00	35
		.787	1.850	1.858	.335				2.677	3.228	3.236	.276	
710343★	S	36.00	46.00	46.10	9.00	33	710379★	S	60.00	72.00	72.10	7.50	47
		1.417	1.811	1.815	.354				2.362	2.835	2.839	.295	
710344★	S	17.40	30.00	30.20	7.00	32	710380★	S	130.00	150.00	150.10	10.00	47
		.685	1.181	1.189	.276				5.118	5.906	5.909	.394	
710345★►	S	45.00	68.00	68.20	12.00	32	710381★%	S	124.00	170.00	—	14.50	#
		1.772	2.677	2.685	.472				4.882	6.693	—	.571	
710346★	S	15.00	20.00	20.10	5.00	49	710382★	S	56.00	66.00	66.20	17.00	#
		.591	.787	.791	.197				2.205	2.598	2.606	.669	
710347★◄	S	28.00	38.00	38.20	10.00	32	710383★	S	35.00	44.00	44.10	7.00	47
		1.102	1.496	1.504	.394				1.378	1.732	1.736	.276	
710348★	S	13.00	22.00	22.20	6.00	32	710384★	S	75.00	100.00	100.10	13.00	25
		.512	.866	.874	.236				2.953	3.937	3.941	.512	
710349★◄	V	105.00	135.00	135.20	14.50	#	710385	S	1.675	2.000	2.175	.200	#
		4.134	5.315	5.323	.571		710386★►	H	42.00	56.00	56.20	7.00	32
710350★►	V	60.00	82.00	82.20	12.00	#			1.654	2.205	2.213	.276	
		2.362	3.228	3.236	.472		710387★	S	43.00	65.04	65.14	9.50	47
710351★◄	H	100.00	135.00	135.20	10.00	32			1.693	2.561	2.565	.374	
		3.937	5.315	5.323	.394		710388►	S	1.875	2.716	2.725	.394	32
710352★◄	V	95.00	113.00	113.10	10.00	47	710389	S	1.750	2.500	2.504	.484	7S
		3.740	4.449	4.453	.394								
710353★►	S	37.00	58.00	58.10	10.00	66	710390★►	N	60.00	82.00	82.20	10.00	32
		1.457	2.283	2.287	.394				2.362	3.228	3.236	.394	
710354★►	N	50.00	65.00	65.20	8.00	32	710391★◄	H	100.00	135.00	135.20	15.00	94
		1.969	2.559	2.567	.315				3.937	5.315	5.323	.591	
710355★►	N	37.00	50.50	50.70	7.00	32	710392★	S	62.00	74.00	74.10	7.00	#
		1.457	1.988	1.996	.276				2.441	2.913	2.917	.276	
710356★►	S	48.00	60.00	60.20	9.00	32	710393★	S	56.00	72.00	72.20	8.00	#
		1.890	2.362	2.370	.354				2.205	2.835	2.843	.315	
710357★	S	50.00	67.00	67.20	9.00	47	710394★	S	46.00	62.00	62.20	20.50	#
		1.969	2.638	2.646	.354				1.811	2.441	2.449	.807	
*710358	N	1.625	2.374	2.378	.500	45	710395	S	2.750	3.779	3.784	.762	06
710359★◄	S	30.00	45.00	45.20	8.00	#	710396★◄►	S	35.00	56.00	56.20	9.00	40
		1.181	1.772	1.780	.315				1.378	2.205	2.213	.354	
710360★	S	35.00	72.00	72.28	10.00	35	710397★	N	46.50	90.00	90.20	12.00	#
		1.378	2.835	2.846	.394				1.831	3.543	3.551	.472	
710361★	S	17.00	20.80	20.90	3.10	44	710398★	S	50.00	72.00	72.20	10.00	#
		.669	.819	.823	.122				1.969	2.835	2.843	.394	
710362★	S	17.00	25.00	25.10	5.00	49	710399★►	S	26.00	42.00	42.20	8.00	32
		.669	.984	.988	.197				1.024	1.654	1.661	.315	
710363★◄	V	84.00	118.00	118.10	7.00	#	710400 SERIES						
		3.307	4.646	4.650	.276		710400★	S	58.00	75.00	75.10	9.00	47
710364★	N	45.00	98.00	98.10	10.50	#			2.283	2.953	2.957	.354	
		1.772	3.858	3.862	.413		710401★	S	30.00	37.00	37.30	3.50	#
710365%	S	2.000	2.720	—	.210	#			1.181	1.457	1.461	.138	
710366★◄	H	106.00	126.00	126.20	12.00	32	710402★	S	41.00	68.00	68.20	13.00	#
		4.173	4.961	4.969	.472				1.614	2.677	2.685	.512	
710367★►	S	65.00	88.00	88.20	12.00	40	710403★	S	42.00	62.00	62.10	12.00	#
		2.559	3.465	3.472	.472				1.654	2.441	2.445	.472	
710368★	S	138.00	152.00	152.10	12.00	47	710404★	S	39.00	54.00	54.10	6.00	49
		5.433	5.984	5.988	.472				1.535	2.126	2.130	.236	
710369★	S	145.00	164.00	164.10	14.00	47	710405★	S	124.00	146.00	146.10	14.00	47
		5.709	6.457	6.461	.551				4.882	5.748	5.752	.551	

For Illustration and Material Data See Technical Section

 # Designed For A Specific Application - Not Recommended For General Use ► Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW
 ◄► Hydrodynamic Lip Design-Bidirectional % External Bore * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
710400 SERIES (cont.)							710400 SERIES (cont.)						
710406★	S	140.00	170.00	170.10	14.00	47	710456	S	2.835	.000	3.709	.409	#
		5.512	6.693	6.697	.551		710457	V	3.000	4.003	4.008	.312	86
710407★	S	51.00	62.00	62.10	7.00	33	*710500	S	6.110	7.187	7.192	.400	230
		2.008	2.441	2.445	.276		710501	S	1.850	.000	2.440	.405	#
710408★	N	42.00	62.00	62.20	8.00	32	710502	S	1.688	.000	2.551	.595	#
		1.654	2.441	2.449	.315		710504	S	1.142	.000	1.457	.197	35
710409%	S	1.813	2.408	—	.300	#	710505	S	1.575	.000	2.293	.236	32
710410★	S	100.00	114.00	114.10	12.00	47	710506	S	2.088	.000	2.777	.500	86
		3.937	4.488	4.492	.472		710507	S	2.088	.000	2.915	.500	71
710411★	S	128.00	146.00	146.10	10.00	47	710508	S	2.324	.000	3.546	.591	71
		5.039	5.748	5.752	.394								
710412★	S	18.00	34.00	34.20	8.00	32	710509	S	1.496	.000	2.362	.433	#
		.709	1.339	1.346	.315		710510	N	1.497	.000	2.226	.472	#
710413	N	2.172	3.125	3.130	.675	#	710511	V	1.044	.000	1.713	.275	32
710414	T	1.500	2.500	2.500	.375	#	710512	N	1.594	.000	2.291	.354	40
710415★➡	S	32.00	50.00	50.23	8.00	32	710513	V	1.694	.000	2.462	.433	#
		1.260	1.969	1.978	.315		710514	S	3.506	.000	4.117	.453	41
							710515	T	1.340	.000	1.910	.275	32
710416★	S	34.00	48.00	48.28	7.50	35	710516	S	1.181	.000	2.409	.354	#
		1.339	1.890	1.901	.295		710517	S	1.654	2.283	2.291	.472	#
710417★	N	34.00	50.00	50.20	8.00	35	710519	S	2.561	.000	3.979	.532	#
		1.339	1.969	1.976	.315								
710418★	N	34.00	53.00	53.28	8.00	32	710520	V	3.800	.000	4.590	.394	32
		1.339	2.087	2.098	.315		710521	V	1.790	.000	2.488	.275	32
710419★	S	35.00	63.00	63.28	10.00	#	710522	S	2.087	.000	2.805	.354	35
		1.378	2.480	2.491	.394		710523	S	1.575	.000	2.835	.433	#
710420★➡	S	50.00	68.00	68.20	9.00	32	710524	S	1.457	.000	2.186	.315	47
		1.969	2.677	2.685	.354		710525	S	1.732	2.913	2.921	.433	#
710422★	S	34.00	62.00	62.20	10.00	35	710526	V	3.950	.000	4.689	.370	32
		1.339	2.441	2.449	.394		710527	S	2.047	.000	2.717	.583	#
710424★	S	35.00	60.00	60.23	10.00	35	710528	S	2.402	.000	3.071	.531	#
		1.378	2.362	2.371	.394		710529	S	1.969	2.571	2.583	.315	#
710425	S	5.428	6.500	6.505	.420	230	710562	S	6.775	7.875	7.880	.360	230
710426	S	1.465	2.372	2.374	.433	#	710800	S	9.466	10.875	10.891	.375	230
710428	V	1.750	2.621	2.625	.937	87	710925	S	11.006	12.875	12.891	.625	230
							710928	N	1.938	2.680	.000	.500	#
710429	V	1.380	2.288	2.291	.750	87							
710430&	S	2.325	3.125	3.130	.313	#	711000 SERIES						
710431	S	1.693	2.480	2.488	.394	#	711000	S	11.586	13.687	13.703	.562	230
710432★	S	40.00	57.00	57.20	10.00	32	711181	V	1.614	2.205	.000	.315	32
		1.575	2.244	2.252	.394		711200	S	13.797	15.500	15.516	.437	230
710433	S	1.102	2.087	2.091	.378	#	711552	N	1.552	2.502	2.506	.312	47
710435★	S	38.00	65.00	65.20	8.00	32	711553★➡	N	2.375	3.875	3.881	1.060	74
		1.496	2.559	2.567	.315								
710436★➡	N	40.50	52.50	52.70	6.00	35							
		1.594	2.067	2.075	.236								
710437★	S	50.00	75.00	75.10	9.00	47							
		1.969	2.953	2.957	.354								
710438★	S	54.00	76.00	76.20	14.00	#							
		2.126	2.992	3.000	.551								
710439★	S	58.00	73.00	73.10	8.50	#							
		2.283	2.874	2.878	.335								
710440★	S	68.00	90.00	90.10	12.00	47							
		2.677	3.543	3.547	.472								
710441&	N	1.465	2.372	2.374	1.508	#							
710442★➡	N	42.00	59.00	59.10	7.00	48							
		1.654	2.323	2.327	.276								
710443★	N	40.00	54.89	55.00	13.00	#							
		1.575	2.161	2.165	.512								
710444★➡	S	40.00	53.90	54.00	6.00	32							
		1.575	2.122	2.126	.236								
710445★	S	19.00	34.93	35.00	8.00	35							
		.748	1.375	1.378	.315								
710446★➡	S	68.00	88.00	88.20	8.00	35							
		2.677	3.465	3.472	.315								
710447	N	2.000	2.750	2.754	.325	47							
710450	N	.787	1.260	1.268	.197	32							
710451	N	1.535	.000	2.094	.315	32							
710452	V	1.875	3.160	3.165	.530	72							
710453	N	1.890	2.810	.000	.700	#							
710454	V	3.543	.000	4.724	.630	#							
710455	S	1.312	1.627	.000	.331	#							

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡ Hydrodynamic Lip Design-CCW

➡➡ Hydrodynamic Lip Design-Bidirectional % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
712000 SERIES (cont.)							712100 SERIES (cont.)						
712017	S	.625	1.124	1.128	.375	#	*712136	S	2.187	2.875	2.883	.500	32
712018★	S	24.99	40.54	40.64	6.35	#	*712137	N	5.000	5.750	5.758	.437	33
		.984	1.596	1.600	.250		*712138★	N	77.00	100.10	100.30	11.00	35
712019	S	.500	.875	.879	.313	#			3.031	3.941	3.949	.433	
712020★◄	N	40.00	75.00	75.26	18.00	32	*712139	S	1.500	2.000	2.010	.219	35
		1.575	2.953	2.963	.709		*712140	S	1.125	1.563	1.583	.375	35
712021	S	.312	.749	.753	.250	#	*712141►	T	1.437	2.059	2.065	.315	32
712022	S	.312	.686	.690	.313	#	*712142◄	T	3.110	3.750	3.760	.437	32
712023	V	1.500	2.311	2.315	.500	#	*712143	S	1.687	2.875	2.885	.625	32
712024	S	.625	1.124	1.128	.375	#	*712144	S	1.546	2.375	2.385	.500	32
712025	S	1.250	1.750	1.754	.250	#	*712145	S	2.312	3.125	3.135	.375	35
712026	S	1.000	1.375	1.379	.250	#							
712027	S	.750	1.250	1.254	.250	#	712146◄►	S	1.687	2.560	2.579	.470	25
712028	S	.562	.750	.754	.094	#	*712147	V	.875	1.375	1.379	.375	43
712100 SERIES							712200 SERIES						
712100◄	T	3.125	3.750	3.768	.437	PDW	712250	V	2.250	3.000	3.005	.375	47
712101►	T	2.625	3.375	3.390	.375	FW-H	712260	S	1.750	2.810	2.814	.315	47
712102►	T	1.875	2.625	2.640	.433	FW-H	712270	S	.875	1.436	1.441	.256	48
712103►	T	2.625	3.516	3.533	.394	PDW	712375	N	2.375	4.064	4.069	1.092	90
712104★►	T	28.00	38.00	38.25	7.00	PDW	712449◄	V	4.812	5.543	5.551	.472	32
		1.102	1.496	1.506	.276		712511★►	V	68.00	89.00	89.20	11.00	32
*712105★◄	T	100.00	120.00	120.25	11.00	W			2.677	3.504	3.512	.433	
		3.937	4.724	4.734	.433		712512◄	N	2.250	3.252	3.260	.551	#
712106★	T	120.00	140.00	140.20	13.00	32	712516★►	N	47.60	68.00	68.30	14.00	#
		4.724	5.512	5.520	.512				1.875	2.677	2.689	.551	
712107★►	T	105.00	130.00	130.16	11.00	FW-H	712551★	S	40.00	56.00	56.26	8.00	32
		4.134	5.118	5.124	.433				1.575	2.205	2.215	.315	
712108★►	T	68.00	90.00	90.15	10.00	FW-H	712598	S	2.598	3.999	4.004	.780	47
		2.677	3.543	3.549	.394								
712109★◄	T	127.00	152.40	152.80	15.00	FW-H	712625	N	2.625	4.064	4.069	.960	90
		5.000	6.000	6.016	.591		712692	V	1.874	2.559	2.569	.335	#
712110★◄	T	156.00	180.00	180.20	15.00	W	712750	V	3.500	4.501	4.506	.468	41
		6.142	7.087	7.094	.591		712937	N	2.937	4.939	4.944	1.250	90
712111★►	T	80.00	100.00	100.40	10.00	FW-H	712938	S	2.205	2.874	2.883	.866	#
		3.150	3.937	3.953	.394		713000 SERIES						
712112★◄	T	110.00	130.00	130.40	13.00	W	713103►	V	2.180	3.190	3.194	.620	69
		4.331	5.118	5.134	.512		713163★◄	S	114.00	135.00	135.25	13.00	47
712113★►	T	60.00	75.00	75.50	10.00	FW-H			4.488	5.315	5.325	.512	
		2.362	2.953	2.972	.394		713655★◄	N	35.00	52.00	52.35	7.75	32
712114★◄	T	130.00	150.00	150.40	13.00	FW-H			1.378	2.047	2.061	.305	
		5.118	5.906	5.921	.512		713750	V	3.750	4.500	4.506	.468	69
712115★►	T	80.00	100.00	100.40	13.00	FW-H	713771★►	V	35.00	50.00	50.34	7.00	35
		3.150	3.937	3.953	.512				1.378	1.969	1.982	.276	
712116►	T	3.500	4.331	4.346	.472	FW-H	714000 SERIES						
712118★◄	T	160.00	190.00	190.40	13.00	FW-H	714075	H	1.771	2.500	2.504	.359	#
		6.299	7.480	7.496	.512		714436★	S	35.00	48.00	48.20	8.00	32
712119★►	T	94.90	120.00	120.40	13.00	FW-H			1.378	1.890	1.898	.315	
		3.736	4.724	4.740	.512		714470	V	3.125	4.003	4.008	.500	48
712120★►	T	80.00	100.00	100.40	13.00	FW-H	714489	V	3.750	4.499	4.506	.468	96
		3.150	3.937	3.953	.512		714503	N	1.886	2.756	2.756	.823	#
*712121	T	2.500	3.500	3.510	.475	#	714512◄►	N	2.375	4.498	4.504	.391	87
712122★◄	T	156.00	180.00	180.40	15.00	FW-H	714558◄►	V	1.399	2.484	2.489	.280	#
		6.142	7.087	7.102	.591		714559◄►	V	1.399	2.484	2.489	.500	74
712123★►	T	80.00	100.00	100.40	13.00	FW-H	*714561◄	V	2.503	3.428	3.439	.800	#
		3.150	3.937	3.953	.512		714569◄►	V	1.574	2.410	2.415	.540	#
712124★►	T	90.00	110.00	110.40	12.00	FW-H							
		3.543	4.331	4.346	.472		714616★	V	16.00	44.75	44.96	9.00	#
712125★►	T	54.00	73.00	73.40	12.75	FW-H			.630	1.762	1.770	.354	
		2.126	2.874	2.890	.502		714619★	S	30.00	48.00	48.30	8.00	35
712126◄	T	3.110	3.898	3.913	.378	FW-H			1.181	1.890	1.902	.315	
*712127	S	.622	1.559	1.567	.453	32	714654◄	N	2.000	2.996	3.003	.438	47
*712128	S	.593	1.000	1.008	.203	32	714655►	N	1.375	1.981	1.989	.252	48
*712129	F	1.562	2.094	2.098	.312	#	714662★	V	16.00	27.23	27.33	9.00	47
*712130	S	3.500	6.000	6.008	1.546	#			.630	1.072	1.076	.354	
*712131	S	3.250	3.781	3.785	.593	#	714670◄	N	2.500	3.500	3.504	.450	47
*712132	N	.625	1.687	1.691	.750	#	714675◄►	V	1.843	2.748	2.751	.425	#
*712133	S	1.187	1.718	1.722	.550	#	714679◄►	N	1.605	2.560	2.565	.693	#
*712134	N	1.440	2.756	2.764	.551	35	714713◄►	V	4.000	4.999	5.004	.469	96
*712135	F	1.312	2.097	2.105	.375	#	714750	V	4.750	5.751	5.756	.500	48

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ► Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW

◄► Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
714000 SERIES (cont.)							METRIC SERIES (cont.)						
714810◄	V	3.003	3.751	3.761	.570	#	*5X22X7	S	5.00	21.80	22.00	7.00	32
715000 SERIES													
*715000	H	5.000	6.001	6.006	.500	#	*5.5X18X8	S	5.50	17.80	18.00	8.00	32
715100	S	1.875	3.150	3.155	.250	#							
*715101%	S	1.370	1.375	2.438	.250	#	*5.5X22X8	S	5.50	21.80	22.00	8.00	32
715319	N	3.500	5.126	5.131	.625	47							
716000 SERIES													
716102★◄	H	85.00	105.00	105.28	10.00	32	6X16X5	S	6.00	16.00	16.20	5.00	35
		3.346	4.134	4.145	.394								
716445★	V	75.00	95.00	95.27	10.00	35	6X16X7	S	6.00	16.00	16.28	7.00	35
		2.953	3.740	3.751	.394								
716484★	V	48.00	65.00	65.30	10.00	32	*6X16X7V	V	6.00	16.00	16.20	7.00	35
		1.890	2.559	2.571	.394								
717000 SERIES							*6X17X7	S	6.00	16.80	17.00	7.00	32
*717003★	S	100.00	123.85	123.98	12.70	41							
		3.937	4.876	4.881	.500		*6X18X6	S	6.00	17.80	18.00	6.00	32
717004★	S	120.00	140.00	140.25	12.00	48							
		4.724	5.512	5.522	.472		*6X18X7	S	6.00	17.80	18.00	7.00	32
717005★◄	S	95.00	110.00	110.26	11.00	32							
		3.740	4.331	4.341	.433		*6X19X7	S	6.00	18.80	19.00	7.00	32
717006★	S	95.00	115.00	115.25	10.00	45							
		3.740	4.528	4.537	.394		*6X20X5.5	S	6.00	19.80	20.00	5.50	32
718610	N	.562	1.004	1.008	.254	47							
719316	V	1.875	3.160	3.165	.720	72	*6X21X7	S	6.00	20.80	21.00	7.00	32
720000 SERIES													
722108	N	1.312	1.625	1.662	.156	VRS1	6X22X7	S	6.00	22.00	22.28	7.00	35
722109	S	2.250	2.675	2.733	.539	VRS1							
722250	N	2.250	4.064	4.069	1.092	90	*6X26X7	S	6.00	25.80	26.00	7.00	32
727410	S	.750	1.000	1.004	.125	44							
900000 SERIES							*6X35X7	S	6.00	34.80	35.00	7.00	32
*907091◄	T	5.125	5.999	6.006	.413	90							
910000 SERIES							*6.5X14.5X7	S	6.50	14.30	14.50	7.00	32
*914411◄	T	6.625	8.000	8.007	.750	91							
*914412◄	T	6.625	8.000	8.007	.750	91	*6.8X22X7	S	6.80	21.80	22.00	7.00	32
*914413►	T	6.625	8.000	8.007	1.000	91							
940000 SERIES													
*947090◄	T	5.125	5.999	6.006	.413	94	7X16X7	S	7.00	16.00	16.28	7.00	32
METRIC SERIES													
*4.5X16X5	S	4.50	15.80	16.00	5.00	32	*7X16X7V	V	7.00	16.00	16.20	7.00	35
		.177	.622	.630	.197								
*4.5X16X7	S	4.50	15.80	16.00	7.00	32							
		.177	.622	.630	.276		*7X17X7	S	7.00	16.80	17.00	7.00	32
*4.5X17X7	S	4.50	16.80	17.00	7.00	32							
		.177	.661	.669	.276		*7X18X7	S	7.00	17.80	18.00	7.00	32
*4.8X15X5	S	4.80	14.80	15.00	5.00	32							
		.189	.583	.591	.197		*7X19X7	S	7.00	18.80	19.00	7.00	32
*5X15X6	S	5.00	14.80	15.00	6.00	32							
		.197	.583	.591	.236		*7X22X6	S	7.00	21.80	22.00	6.00	32
*5X16X6	S	5.00	15.80	16.00	6.00	32							
		.197	.622	.630	.236								
*5X16X5	S	5.00	16.00	16.20	5.00	32	*7X22X8	S	7.00	21.80	22.00	8.00	32
		.197	.630	.638	.197								
*5X17X7	S	5.00	16.80	17.00	7.00	32	7X22X7	S	7.00	22.00	22.28	7.00	35
		.197	.661	.669	.276								
*5X18X6	S	5.00	17.80	18.00	6.00	32	*7X31X7	S	7.00	30.80	31.00	7.00	32
		.197	.701	.709	.236								
*5X18X7	S	5.00	17.80	18.00	7.00	32	*8X14X7	S	8.00	13.80	14.00	7.00	32
		.197	.701	.709	.276								
*5X18X10	S	5.00	17.80	18.00	10.00	32	8X14X4	S	8.00	14.00	14.20	4.00	35
		.197	.701	.709	.394								
*5X19X7	S	5.00	18.80	19.00	7.00	32	*8X14X5	S	8.00	14.00	14.20	5.00	32
		.197	.740	.748	.276								
							*8X15X5	S	8.00	14.80	15.00	5.00	32
							*8X16X5	S	8.00	15.80	16.00	5.00	32
							*8X16X6	S	8.00	15.80	16.00	6.00	32
							8X16X7	S	8.00	16.00	16.23	7.00	35
							*8X17X7	S	8.00	16.80	17.00	7.00	32
							*8X18X6	S	8.00	17.80	18.00	6.00	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◄ Hydrodynamic Lip Design-CW ◄ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery ★ Metric Seal

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*8X18X8	S	8,00	17,80	18,00	8,00	32	*10X18X4	S	10,00	17,80	18,00	4,00	32
		.315	.701	.709	.315				.394	.701	.709	.157	
8X18X5	S	8,00	18,00	18,20	5,00	35	*10X18X5	S	10,00	17,80	18,00	5,00	32
		.315	.709	.717	.197				.394	.701	.709	.197	
8X18X7	S	8,00	18,00	18,20	7,00	32	*10X18X6	S	10,00	17,80	18,00	6,00	32
		.315	.709	.717	.276				.394	.701	.709	.236	
*8X19X7	S	8,00	18,80	19,00	7,00	32	*10X18X7	S	10,00	17,80	18,00	7,00	32
		.315	.740	.748	.276				.394	.701	.709	.276	
*8X20X7	S	8,00	19,80	20,00	7,00	32	10X19X7	S	10,00	19,00	19,20	7,00	32
		.315	.779	.787	.276				.394	.748	.756	.276	
*8X22X6	S	8,00	21,80	22,00	6,00	32	*10X20X5	S	10,00	19,80	20,00	5,00	32
		.315	.858	.866	.236				.394	.779	.787	.197	
8X22X7	S	8,00	22,00	22,28	7,00	32	*10X20X6	S	10,00	19,80	20,00	6,00	32
		.315	.866	.877	.276				.394	.779	.787	.236	
*8X22X7V	V	8,00	22,00	22,20	7,00	32	*10X20X7	S	10,00	19,80	20,00	7,00	32
		.315	.866	.874	.276				.394	.779	.787	.276	
*8X23X5	S	8,00	22,80	23,00	5,00	32	*10X21X4	S	10,00	20,80	21,00	4,00	32
		.315	.898	.906	.197				.394	.819	.827	.157	
8X24X7	S	8,00	24,00	24,28	7,00	35	*10X21X6	S	10,00	20,80	21,00	6,00	32
		.315	.945	.956	.276				.394	.819	.827	.236	
*8X25X7	S	8,00	24,80	25,00	7,00	32	*10X21X7	S	10,00	20,80	21,00	7,00	32
		.315	.976	.984	.276				.394	.819	.827	.276	
*8X25X8	S	8,00	24,80	25,00	8,00	32	*10X22X5	S	10,00	21,80	22,00	5,00	32
		.315	.976	.984	.315				.394	.858	.866	.197	
*8X25X9	S	8,00	24,80	25,00	9,00	32	*10X22X6	S	10,00	21,80	22,00	6,00	32
		.315	.976	.984	.354				.394	.858	.866	.236	
*8X26X7	S	8,00	25,80	26,00	7,00	32	10X22X7	S	10,00	22,00	22,28	7,00	32
		.315	1.016	1.024	.276				.394	.866	.877	.276	
*8X30X6	S	8,00	29,80	30,00	6,00	32	*10X22X7V	V	10,00	22,00	22,20	7,00	35
		.315	1.173	1.181	.236				.394	.866	.874	.276	
*8X30X7	S	8,00	29,80	30,00	7,00	32	*10X23X7	S	10,00	22,80	23,00	7,00	32
		.315	1.173	1.181	.276				.394	.898	.906	.276	
*8X34X8	S	8,00	33,80	34,00	8,00	32	*10X23X8	S	10,00	22,80	23,00	8,00	32
		.315	1.331	1.339	.315				.394	.898	.906	.315	
*8.85X17X5	S	8,85	16,80	17,00	5,00	32	*10X24X6	S	10,00	23,80	24,00	6,00	32
		.348	.661	.669	.197				.394	.937	.945	.236	
*8.85X20X5	S	8,85	19,80	20,00	5,00	32	10X24X7	S	10,00	24,00	24,23	7,00	35
		.348	.779	.787	.197				.394	.945	.954	.276	
*9X16X5.5	S	9,00	15,80	16,00	5,50	32	*10X25X5	S	10,00	24,80	25,00	5,00	32
		.354	.622	.630	.217				.394	.976	.984	.197	
9X18X7	S	9,00	18,00	18,20	7,00	35	*10X25X10	S	10,00	24,80	25,00	10,00	32
		.354	.709	.717	.276				.394	.976	.984	.394	
*9X19X5	S	9,00	18,80	19,00	5,00	32	10X25X7	S	10,00	25,00	25,28	7,00	32
		.354	.740	.748	.197				.394	.984	.995	.276	
*9X19X7	S	9,00	18,80	19,00	7,00	32	*10X26X8	S	10,00	25,80	26,00	8,00	32
		.354	.740	.748	.276				.394	1.016	1.024	.315	
*9X20X7	S	9,00	19,80	20,00	7,00	32	10X26X7	S	10,00	26,00	26,23	7,00	32
		.354	.779	.787	.276				.394	1.024	1.033	.276	
9X22X7	S	9,00	22,00	22,20	7,00	35	*10X28X7	S	10,00	27,80	28,00	7,00	32
		.354	.866	.874	.276				.394	1.094	1.102	.276	
*9X22X7V	V	9,00	22,00	22,20	7,00	35	*10X28X8	S	10,00	27,80	28,00	8,00	32
		.354	.866	.874	.276				.394	1.094	1.102	.315	
9X24X7	S	9,00	24,00	24,28	7,00	35	*10X30X7	S	10,00	29,80	30,00	7,00	32
		.354	.945	.956	.276				.394	1.173	1.181	.276	
*9X25X7	S	9,00	24,80	25,00	7,00	32	*10X30X10	S	10,00	29,80	30,00	10,00	32
		.354	.976	.984	.276				.394	1.173	1.181	.394	
9X26X7	S	9,00	26,00	26,28	7,00	35	*10X23.5X10	S	10,00	23,30	23,50	10,00	32
		.354	1.024	1.035	.276				.394	.917	.925	.394	
*9X29X7	S	9,00	28,80	29,00	7,00	32	11X17X4	S	11,00	17,00	17,25	4,00	32
		.354	1.134	1.142	.276				.433	.669	.679	.157	
*9X30X7	S	9,00	29,80	30,00	7,00	32	*11X21X7	S	11,00	20,80	21,00	7,00	32
		.354	1.173	1.181	.276				.433	.819	.827	.276	
*10X16X4	S	10,00	15,80	16,00	4,00	32	*11X21X8	S	11,00	20,80	21,00	8,00	32
		.394	.622	.630	.157				.433	.819	.827	.315	
*10X16X4.5	S	10,00	15,80	16,00	4,50	32	11X22X7	S	11,00	22,00	22,28	7,00	32
		.394	.622	.630	.177				.433	.866	.877	.276	
*10X17X5	S	10,00	16,80	17,00	5,00	32	*11X23X7	S	11,00	22,80	23,00	7,00	32
		.394	.661	.669	.197				.433	.898	.906	.276	
*10X17X7	S	10,00	16,80	17,00	7,00	32	*11X25X7	S	11,00	24,80	25,00	7,00	32
		.394	.661	.669	.276				.433	.976	.984	.276	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
11X26X7	S	11.00	26.00	26.28	7.00	35	* 12X28X8	S	12.00	27.80	28.00	8.00	32
		.433	1.024	1.035	.276				.472	1.094	1.102	.315	
* 11X28X7	S	11.00	27.80	28.00	7.00	32	12X28X7	S	12.00	28.00	28.20	7.00	35
		.433	1.094	1.102	.276				.472	1.102	1.110	.276	
* 11X29X7	S	11.00	28.80	29.00	7.00	32	* 12X28X7V	V	12.00	28.00	28.20	7.00	35
		.433	1.134	1.142	.276				.472	1.102	1.110	.276	
* 11X30X10	S	11.00	29.80	30.00	10.00	32	* 12X30X5	S	12.00	29.80	30.00	5.00	32
		.433	1.173	1.181	.394				.472	1.173	1.181	.197	
11X30X7	S	11.00	30.00	30.20	7.00	32	* 12X30X9	S	12.00	29.80	30.00	9.00	32
		.433	1.181	1.189	.276				.472	1.173	1.181	.354	
* 11X23.5X7	S	11.00	23.30	23.50	7.00	32	* 12X30X10	S	12.00	29.80	30.00	10.00	32
		.433	.917	.925	.276				.472	1.173	1.181	.394	
* 11.6X19X6	S	11.60	18.80	19.00	6.00	32	12X30X7	S	12.00	30.00	30.20	7.00	32
		.457	.740	.748	.236				.472	1.181	1.189	.276	
* 11.6X24X10	S	11.60	23.80	24.00	10.00	32	* 12X30X7V	V	12.00	30.00	30.20	7.00	35
		.457	.937	.945	.394				.472	1.181	1.189	.276	
* 12X18X5	S	12.00	17.80	18.00	5.00	32	* 12X32X5	S	12.00	31.80	32.00	5.00	32
		.472	.701	.709	.197				.472	1.252	1.260	.197	
* 12X19X7	S	12.00	18.80	19.00	7.00	32	* 12X32X10	S	12.00	31.80	32.00	10.00	32
		.472	.740	.748	.276				.472	1.252	1.260	.394	
12X19X5	S	12.00	19.00	19.20	5.00	32	12X32X7	S	12.00	32.00	32.20	7.00	35
		.472	.748	.756	.197				.472	1.260	1.268	.276	
* 12X20X4	S	12.00	19.80	20.00	4.00	32	* 12X35X10	S	12.00	34.80	35.00	10.00	32
		.472	.779	.787	.157				.472	1.370	1.378	.394	
* 12X20X6	S	12.00	19.80	20.00	6.00	32	12X35X7	S	12.00	35.00	35.20	7.00	32
		.472	.779	.787	.236				.472	1.378	1.386	.276	
* 12X20X7	S	12.00	19.80	20.00	7.00	32	* 12X37X7	S	12.00	36.80	37.00	7.00	32
		.472	.779	.787	.276				.472	1.449	1.457	.276	
12X20X5	S	12.00	20.00	20.28	5.00	32	* 12X23.5X7	S	12.00	23.30	23.50	7.00	32
		.472	.787	.798	.197				.472	.917	.925	.276	
* 12X21X4	S	12.00	20.80	21.00	4.00	32	* 12X25.5X7	S	12.00	25.30	25.50	7.00	32
		.472	.819	.827	.157				.472	.996	1.004	.276	
* 12X21X7	S	12.00	20.80	21.00	7.00	32	* 12X28.5X7	S	12.00	28.30	28.50	7.00	32
		.472	.819	.827	.276				.472	1.114	1.122	.276	
* 12X22X5	S	12.00	21.80	22.00	5.00	32	* 12.45X22X7	S	12.45	21.80	22.00	7.00	32
		.472	.858	.866	.197				.490	.858	.866	.276	
* 12X22X8	S	12.00	21.80	22.00	8.00	32	* 12.5X22X6	S	12.50	21.80	22.00	6.00	32
		.472	.858	.866	.315				.492	.858	.866	.236	
* 12X22X9	S	12.00	21.80	22.00	9.00	32	* 12.5X25X8	S	12.50	24.80	25.00	8.00	32
		.472	.858	.866	.354				.492	.976	.984	.315	
* 12X22X6.5	S	12.00	21.80	22.00	6.50	32	* 12.5X23.5X8	S	12.50	23.30	23.50	8.00	32
		.472	.858	.866	.256				.492	.917	.925	.315	
12X22X7	S	12.00	22.00	22.25	7.00	35	* 12.5X23.5X10	S	12.50	23.30	23.50	10.00	32
		.472	.866	.876	.276				.492	.917	.925	.394	
* 12X22X7V	V	12.00	22.00	22.20	7.00	35	* 12.5X28.5X7	S	12.50	28.30	28.50	7.00	32
		.472	.866	.874	.276				.492	1.114	1.122	.276	
* 12X23X7	S	12.00	22.80	23.00	7.00	32	* 13X20X5	S	13.00	19.80	20.00	5.00	32
		.472	.898	.906	.276				.512	.779	.787	.197	
* 12X24X8	S	12.00	23.80	24.00	8.00	32	* 13X22X5	S	13.00	21.80	22.00	5.00	32
		.472	.937	.945	.315				.512	.858	.866	.197	
12X24X7	S	12.00	24.00	24.23	7.00	32	* 13X22X7	S	13.00	21.80	22.00	7.00	32
		.472	.945	.954	.276				.512	.858	.866	.276	
* 12X25X8	S	12.00	24.80	25.00	8.00	32	13X22X6	S	13.00	22.00	22.20	6.00	32
		.472	.976	.984	.315				.512	.866	.874	.236	
* 12X25X10	S	12.00	24.80	25.00	10.00	32	* 13X23X7	S	13.00	22.80	23.00	7.00	32
		.472	.976	.984	.394				.512	.898	.906	.276	
12X25X4.5	S	12.00	25.00	25.20	4.50	32	* 13X24X7	S	13.00	23.80	24.00	7.00	32
		.472	.984	.992	.177				.512	.937	.945	.276	
12X25X4.5	S	12.00	25.00	25.20	4.50	32	* 13X25X5	S	13.00	24.80	25.00	5.00	32
		.472	.984	.992	.177				.512	.976	.984	.197	
12X25X7	S	12.00	25.00	25.25	7.00	32	* 13X25X7	S	13.00	24.80	25.00	7.00	32
		.472	.984	.994	.276				.512	.976	.984	.276	
* 12X26X8	S	12.00	25.80	26.00	8.00	32	* 13X26X9	S	13.00	25.80	26.00	9.00	32
		.472	1.016	1.024	.315				.512	1.016	1.024	.354	
12X26X7	S	12.00	26.00	26.20	7.00	32	13X26X7	S	13.00	26.00	26.20	7.00	32
		.472	1.024	1.031	.276				.512	1.024	1.031	.276	
* 12X27X9	S	12.00	26.80	27.00	9.00	32	* 13X27X7	S	13.00	27.00	27.20	7.00	32
		.472	1.055	1.063	.354				.512	1.063	1.071	.276	
* 12X27X7	S	12.00	27.00	27.20	7.00	32	13X28X7	S	13.00	28.00	28.20	7.00	32
		.472	1.063	1.071	.276				.512	1.102	1.110	.276	

For Illustration and Material Data See Technical Section
* Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 13X30X8	S	13,00	29,80	30,00	8,00	32	* 14X32X7.5	S	14,00	31,80	32,00	7,50	32
		.512	1.173	1.181	.315				.551	1.252	1.260	.295	
13X30X7	S	13,00	30,00	30,20	7,00	32	* 14X35X8	S	14,00	34,80	35,00	8,00	32
		.512	1.181	1.189	.276				.551	1.370	1.378	.315	
* 13X32X7	S	13,00	31,80	32,00	7,00	32	* 14X35X10	S	14,00	34,80	35,00	10,00	32
		.512	1.252	1.260	.276				.551	1.370	1.378	.394	
* 13X35X7	S	13,00	34,80	35,00	7,00	32	14X35X7	S	14,00	35,00	35,22	7,00	32
		.512	1.370	1.378	.276				.551	1.378	1.387	.276	
* 13.8X24X5	S	13,80	23,80	24,00	5,00	32	* 14X36X7	S	14,00	35,80	36,00	7,00	32
		.543	.937	.945	.197				.551	1.409	1.417	.276	
* 14X21X4	S	14,00	20,80	21,00	4,00	32	* 14X40X7	S	14,00	39,80	40,00	7,00	32
		.551	.819	.827	.157				.551	1.567	1.575	.276	
* 14X22X4	S	14,00	21,80	22,00	4,00	32	* 14X40X10	S	14,00	39,80	40,00	10,00	32
		.551	.858	.866	.157				.551	1.567	1.575	.394	
* 14X22X6	S	14,00	21,80	22,00	6,00	32	* 14X28.5X7	S	14,00	28,30	28,50	7,00	32
		.551	.858	.866	.236				.551	1.114	1.122	.276	
* 14X22X7	S	14,00	21,80	22,00	7,00	32	* 14.5X32X7	S	14,50	31,80	32,00	7,00	32
		.551	.858	.866	.276				.571	1.252	1.260	.276	
* 14X23X6	S	14,00	22,80	23,00	6,00	32	* 14.8X30X7.5	S	14,80	29,80	30,00	7,50	32
		.551	.898	.906	.236				.583	1.173	1.181	.295	
* 14X24X4	S	14,00	23,80	24,00	4,00	32	* 15X21X5	S	15,00	20,80	21,00	5,00	32
		.551	.937	.945	.157				.591	.819	.827	.197	
* 14X24X5	S	14,00	23,80	24,00	5,00	32	* 15X22X4	S	15,00	21,80	22,00	4,00	32
		.551	.937	.945	.197				.591	.858	.866	.157	
* 14X24X6	S	14,00	23,80	24,00	6,00	32	* 15X22X5	S	15,00	21,80	22,00	5,00	32
		.551	.937	.945	.236				.591	.858	.866	.197	
* 14X24X8	S	14,00	23,80	24,00	8,00	32	* 15X22X7	S	15,00	21,80	22,00	7,00	32
		.551	.937	.945	.315				.591	.858	.866	.276	
14X24X7	S	14,00	24,00	24,23	7,00	32	* 15X23X7	S	15,00	22,80	23,00	7,00	32
		.551	.945	.954	.276				.591	.898	.906	.276	
* 14X25X4	S	14,00	24,80	25,00	4,00	32	* 15X24X5	S	15,00	23,80	24,00	5,00	32
		.551	.976	.984	.157				.591	.937	.945	.197	
* 14X25X7	S	14,00	24,80	25,00	7,00	32	* 15X24X6	S	15,00	23,80	24,00	6,00	32
		.551	.976	.984	.276				.591	.937	.945	.236	
* 14X25X9	S	14,00	24,80	25,00	9,00	32	15X24X7	S	15,00	24,00	24,23	7,00	32
		.551	.976	.984	.354				.591	.945	.954	.276	
14X25X5	S	14,00	25,00	25,23	5,00	32	15X25X5	S	15,00	25,00	25,20	5,00	32
		.551	.984	.993	.197				.591	.984	.992	.197	
* 14X26X8	S	14,00	25,80	26,00	8,00	32	15X25X6	N	15,00	25,00	25,25	6,00	32
		.551	1.016	1.024	.315				.591	.984	.994	.236	
14X26X7	S	14,00	26,00	26,23	7,00	32	15X25X7	S	15,00	25,00	25,20	7,00	35
		.551	1.024	1.033	.276				.591	.984	.992	.276	
* 14X27X10	S	14,00	26,80	27,00	10,00	32	* 15X26X6	S	15,00	25,80	26,00	6,00	32
		.551	1.055	1.063	.394				.591	1.016	1.024	.236	
14X27X7	S	14,00	27,00	27,20	7,00	32	* 15X26X8	S	15,00	25,80	26,00	8,00	32
		.551	1.063	1.071	.276				.591	1.016	1.024	.315	
* 14X28X7	S	14,00	27,80	28,00	7,00	32	* 15X26X9	S	15,00	25,80	26,00	9,00	32
		.551	1.094	1.102	.276				.591	1.016	1.024	.354	
* 14X28X7	S	14,00	27,80	28,00	7,00	32	15X26X7	S	15,00	26,00	26,23	7,00	32
		.551	1.094	1.102	.276				.591	1.024	1.033	.276	
14X28X6	S	14,00	28,00	28,23	6,00	32	* 15X27X7	S	15,00	26,80	27,00	7,00	32
		.551	1.102	1.111	.236				.591	1.055	1.063	.276	
* 14X29X7	S	14,00	28,80	29,00	7,00	32	* 15X27X8	S	15,00	26,80	27,00	8,00	32
		.551	1.134	1.142	.276				.591	1.055	1.063	.315	
* 14X30X8	S	14,00	29,80	30,00	8,00	32	* 15X28X6	S	15,00	27,80	28,00	6,00	32
		.551	1.173	1.181	.315				.591	1.094	1.102	.236	
* 14X30X9	S	14,00	29,80	30,00	9,00	32	* 15X28X8	S	15,00	27,80	28,00	8,00	32
		.551	1.173	1.181	.354				.591	1.094	1.102	.315	
* 14X30X10	S	14,00	29,80	30,00	10,00	32	* 15X28X10	S	15,00	27,80	28,00	10,00	32
		.551	1.173	1.181	.394				.591	1.094	1.102	.394	
14X30X7	S	14,00	30,00	30,20	7,00	32	15X28X7	S	15,00	28,00	28,20	7,00	32
		.551	1.181	1.189	.276				.591	1.102	1.110	.276	
* 14X30X7V	V	14,00	30,00	30,20	7,00	35	* 15X29X7	S	15,00	28,80	29,00	7,00	32
		.551	1.181	1.189	.276				.591	1.134	1.142	.276	
* 14X30X7.5	S	14,00	29,80	30,00	7,50	32	* 15X30X5	S	15,00	29,80	30,00	5,00	32
		.551	1.173	1.181	.295				.591	1.173	1.181	.197	
* 14X32X10	S	14,00	31,80	32,00	10,00	32	* 15X30X8	S	15,00	29,80	30,00	8,00	32
		.551	1.252	1.260	.394				.591	1.173	1.181	.315	
14X32X7	S	14,00	32,00	32,20	7,00	32	* 15X30X10	S	15,00	29,80	30,00	10,00	32
		.551	1.260	1.268	.276				.591	1.173	1.181	.394	

For Illustration and Material Data See Technical Section
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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
15X30X7	S	15.00	30.00	30.23	7.00	32	16X24X5	S	16.00	25.00	25.20	5.00	35
		.591	1.181	1.190	.276				.630	.984	.992	.197	
* 15X30X7.5	S	15.00	29.80	30.00	7.50	32	16X24X6	S	16.00	24.00	24.20	6.00	32
		.591	1.173	1.181	.295				.630	.945	.953	.236	
* 15X31X7	S	15.00	30.80	31.00	7.00	32	16X24X7	S	16.00	24.00	24.20	7.00	32
		.591	1.212	1.220	.276				.630	.945	.953	.276	
* 15X32X5	S	15.00	31.80	32.00	5.00	32	* 16X25X5	S	16.00	24.80	25.00	5.00	32
		.591	1.252	1.260	.197				.630	.976	.984	.197	
* 15X32X9	S	15.00	31.80	32.00	9.00	32	* 16X25X6	S	16.00	24.80	25.00	6.00	32
		.591	1.252	1.260	.354				.630	.976	.984	.236	
15X32X7	S	15.00	32.00	32.20	7.00	35	* 16X25X7	S	16.00	24.80	25.00	7.00	32
		.591	1.260	1.268	.276				.630	.976	.984	.276	
* 15X32X7V	V	15.00	32.00	32.20	7.00	35	* 16X26X5	S	16.00	25.80	26.00	5.00	32
		.591	1.260	1.268	.276				.630	1.016	1.024	.197	
* 15X32X7.5	S	15.00	31.80	32.00	7.50	32	* 16X26X6	S	16.00	25.80	26.00	6.00	32
		.591	1.252	1.260	.295				.630	1.016	1.024	.236	
15X32X8	S	15.00	32.00	32.22	8.00	32	* 16X26X6	S	16.00	25.80	26.00	6.00	32
		.591	1.260	1.269	.315				.630	1.016	1.024	.236	
* 15X35X5	S	15.00	34.80	35.00	5.00	32	16X26X7	S	16.00	26.00	26.20	7.00	32
		.591	1.370	1.378	.197				.630	1.024	1.031	.276	
* 15X35X6	S	15.00	34.80	35.00	6.00	32	* 16X27X7	S	16.00	26.80	27.00	7.00	32
		.591	1.370	1.378	.236				.630	1.055	1.063	.276	
* 15X35X8	S	15.00	34.80	35.00	8.00	32	16X28X7	S	16.00	28.00	28.23	7.00	32
		.591	1.370	1.378	.315				.630	1.102	1.111	.276	
* 15X35X10	S	15.00	34.80	35.00	10.00	32	* 16X28X7V	V	16.00	28.00	28.20	7.00	32
		.591	1.370	1.378	.394				.630	1.102	1.110	.276	
15X35X7	S	15.00	35.00	35.23	7.00	32	* 16X29X7	S	16.00	28.80	29.00	7.00	32
		.591	1.378	1.387	.276				.630	1.134	1.142	.276	
* 15X35X7V	V	15.00	35.00	35.20	7.00	35	* 16X30X5	S	16.00	29.80	30.00	5.00	32
		.591	1.378	1.386	.276				.630	1.173	1.181	.197	
* 15X36X7	S	15.00	35.80	36.00	7.00	32	* 16X30X6	S	16.00	29.80	30.00	6.00	32
		.591	1.409	1.417	.276				.630	1.173	1.181	.236	
* 15X37X7	S	15.00	36.80	37.00	7.00	32	* 16X30X8	S	16.00	29.80	30.00	8.00	32
		.591	1.449	1.457	.276				.630	1.173	1.181	.315	
15X37X6	S	15.00	37.00	37.20	6.00	32	* 16X30X10	S	16.00	29.80	30.00	10.00	32
		.591	1.457	1.465	.236				.630	1.173	1.181	.394	
* 15X38X10	S	15.00	37.80	38.00	10.00	32	* 16X30X4.5	S	16.00	29.80	30.00	4.50	32
		.591	1.488	1.496	.394				.630	1.173	1.181	.177	
* 15X38X7	S	15.00	38.00	38.20	7.00	32	16X30X7	S	16.00	30.00	30.23	7.00	32
		.591	1.496	1.504	.276				.630	1.181	1.190	.276	
* 15X40X8	S	15.00	39.80	40.00	8.00	32	* 16X30X7V	V	16.00	30.00	30.20	7.00	35
		.591	1.567	1.575	.315				.630	1.181	1.189	.276	
* 15X40X10	S	15.00	39.80	40.00	10.00	32	* 16X32X10	S	16.00	31.80	32.00	10.00	32
		.591	1.567	1.575	.394				.630	1.252	1.260	.394	
15X40X7	S	15.00	40.00	40.20	7.00	32	16X32X7	S	16.00	32.00	32.28	7.00	32
		.591	1.575	1.583	.276				.630	1.260	1.271	.276	
* 15X42X7	S	15.00	41.80	42.00	7.00	32	* 16X34X4	S	16.00	33.80	34.00	4.00	32
		.591	1.646	1.654	.276				.630	1.331	1.339	.157	
* 15X42X8	S	15.00	41.80	42.00	8.00	32	* 16X35X8	S	16.00	34.80	35.00	8.00	32
		.591	1.646	1.654	.315				.630	1.370	1.378	.315	
* 15X42X10	S	15.00	41.80	42.00	10.00	32	* 16X35X10	S	16.00	34.80	35.00	10.00	32
		.591	1.646	1.654	.394				.630	1.370	1.378	.394	
* 15X25.5X7	S	15.00	25.30	25.50	7.00	32	16X35X7	S	16.00	35.00	35.23	7.00	32
		.591	.996	1.004	.276				.630	1.378	1.387	.276	
* 15X25.5X4.5	S	15.00	25.30	25.50	4.50	32	* 16X36X7	S	16.00	36.00	36.20	7.00	32
		.591	.996	1.004	.177				.630	1.417	1.425	.276	
* 15X28.5X7	S	15.00	28.30	28.50	7.00	32	* 16X37X7	S	16.00	36.80	37.00	7.00	32
		.591	1.114	1.122	.276				.630	1.449	1.457	.276	
* 15X28.13X7	S	15.00	27.93	28.13	7.00	32	* 16X38X8	S	16.00	37.80	38.00	8.00	32
		.591	1.099	1.107	.276				.630	1.488	1.496	.315	
* 15.6X25.5X7	S	15.60	25.30	25.50	7.00	32	16X38X7	S	16.00	38.00	38.20	7.00	32
		.614	.996	1.004	.276				.630	1.496	1.504	.276	
* 16X21X6	S	16.00	20.80	21.00	6.00	32	* 16X40X10	S	16.00	39.80	40.00	10.00	32
		.630	.819	.827	.236				.630	1.567	1.575	.394	
* 16X22X7	S	16.00	21.80	22.00	7.00	32	16X40X7	S	16.00	40.00	40.20	7.00	32
		.630	.858	.866	.276				.630	1.575	1.583	.276	
16X22X4	S	16.00	22.00	22.20	4.00	32	* 16X28.5X8	S	16.00	28.30	28.50	8.00	32
		.630	.866	.874	.157				.630	1.114	1.122	.315	
* 16X24X4	S	16.00	23.80	24.00	4.00	32	* 16.4X30X5	S	16.40	29.80	30.00	5.00	32
		.630	.937	.945	.157				.646	1.173	1.181	.197	

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 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 17X24X7	S	17,00	23,80	24,00	7,00	32	* 17X35X10	S	17,00	34,80	35,00	10,00	32
		.669	.937	.945	.276				.669	1.370	1.378	.394	
* 17X25X4	S	17,00	24,80	25,00	4,00	32	17X35X7	S	17,00	35,00	35,18	7,00	35
		.669	.976	.984	.157				.669	1.378	1.385	.276	
* 17X25X6	S	17,00	24,80	25,00	6,00	32	* 17X35X7V	V	17,00	35,00	35,20	7,00	35
		.669	.976	.984	.236				.669	1.378	1.386	.276	
* 17X25X7	S	17,00	24,80	25,00	7,00	32	17X35X8	S	17,00	35,00	35,20	8,00	35
		.669	.976	.984	.276				.669	1.378	1.386	.315	
* 17X26X6	S	17,00	25,80	26,00	6,00	32	* 17X36X7	S	17,00	36,00	36,20	7,00	32
		.669	1.016	1.024	.236				.669	1.417	1.425	.276	
* 17X26X7	S	17,00	25,80	26,00	7,00	32	* 17X37X10	S	17,00	36,80	37,00	10,00	32
		.669	1.016	1.024	.276				.669	1.449	1.457	.394	
* 17X27X5	S	17,00	26,80	27,00	5,00	32	17X37X7	S	17,00	37,00	37,20	7,00	32
		.669	1.055	1.063	.197				.669	1.457	1.465	.276	
* 17X27X8	S	17,00	26,80	27,00	8,00	32	* 17X38X10	S	17,00	37,80	38,00	10,00	32
		.669	1.055	1.063	.315				.669	1.488	1.496	.394	
* 17X27X10	S	17,00	26,80	27,00	10,00	32	17X38X7	S	17,00	38,00	38,20	7,00	32
		.669	1.055	1.063	.394				.669	1.496	1.504	.276	
17X27X7	S	17,00	27,00	27,20	7,00	32	* 17X40X5	S	17,00	39,80	40,00	5,00	32
		.669	1.063	1.071	.276				.669	1.567	1.575	.197	
* 17X28X5	S	17,00	27,80	28,00	5,00	32	* 17X40X8	S	17,00	39,80	40,00	8,00	32
		.669	1.094	1.102	.197				.669	1.567	1.575	.315	
* 17X28X6	S	17,00	27,80	28,00	6,00	32	* 17X40X10	S	17,00	39,80	40,00	10,00	32
		.669	1.094	1.102	.236				.669	1.567	1.575	.394	
* 17X28X8	S	17,00	27,80	28,00	8,00	32	17X40X7	S	17,00	40,00	40,23	7,00	32
		.669	1.094	1.102	.315				.669	1.575	1.584	.276	
* 17X28X4.5	S	17,00	27,80	28,00	4,50	32	* 17X42X7	S	17,00	42,00	42,20	7,00	32
		.669	1.094	1.102	.177				.669	1.654	1.661	.276	
17X28X7	S	17,00	28,00	28,23	7,00	35	* 17X45X7	S	17,00	45,00	45,20	7,00	32
		.669	1.102	1.111	.276				.669	1.772	1.780	.276	
* 17X28X7V	V	17,00	28,00	28,20	7,00	35	* 17X46X6	S	17,00	45,80	46,00	6,00	32
		.669	1.102	1.110	.276				.669	1.803	1.811	.236	
* 17X29X5	S	17,00	28,80	29,00	5,00	32	* 17X46X7	S	17,00	46,00	46,20	7,00	32
		.669	1.134	1.142	.197				.669	1.811	1.819	.276	
* 17X29X7	S	17,00	29,00	29,20	7,00	32	* 17X47X10	S	17,00	46,80	47,00	10,00	32
		.669	1.142	1.150	.276				.669	1.842	1.850	.394	
* 17X30X5	S	17,00	29,80	30,00	5,00	32	17X47X7	S	17,00	47,00	47,20	7,00	35
		.669	1.173	1.181	.197				.669	1.850	1.858	.276	
* 17X30X6	S	17,00	29,80	30,00	6,00	32	17X47X8	S	17,00	47,00	47,20	8,00	32
		.669	1.173	1.181	.236				.669	1.850	1.858	.315	
* 17X30X6	S	17,00	29,80	30,00	6,00	32	* 17X28.5X7	S	17,00	28,30	28,50	7,00	32
		.669	1.173	1.181	.236				.669	1.114	1.122	.276	
* 17X30X8	S	17,00	29,80	30,00	8,00	32	* 17X34.5X4	S	17,00	34,30	34,50	4,00	32
		.669	1.173	1.181	.315				.669	1.350	1.358	.157	
* 17X30X10	S	17,00	29,80	30,00	10,00	32	* 17X31.75X8	S	17,00	31,55	31,75	8,00	32
		.669	1.173	1.181	.394				.669	1.242	1.250	.315	
17X30X7	S	17,00	30,00	30,23	7,00	32	* 17.5X32X6	S	17,50	31,80	32,00	6,00	32
		.669	1.181	1.190	.276				.689	1.252	1.260	.236	
* 17X30X7V	V	17,00	30,00	30,20	7,00	35	* 17.6X30X7	S	17,60	29,80	30,00	7,00	32
		.669	1.181	1.189	.276				.693	1.173	1.181	.276	
* 17X31X7	S	17,00	30,80	31,00	7,00	32	* 18X25X7	S	18,00	24,80	25,00	7,00	32
		.669	1.212	1.220	.276				.709	.976	.984	.276	
* 17X31X8	S	17,00	30,80	31,00	8,00	32	* 18X26X7	S	18,00	25,80	26,00	7,00	32
		.669	1.212	1.220	.315				.709	1.016	1.024	.276	
* 17X32X5	S	17,00	31,80	32,00	5,00	32	* 18X27X7	S	18,00	26,80	27,00	7,00	32
		.669	1.252	1.260	.197				.709	1.055	1.063	.276	
* 17X32X6	S	17,00	31,80	32,00	6,00	32	* 18X28X7	S	18,00	27,80	28,00	7,00	32
		.669	1.252	1.260	.236				.709	1.094	1.102	.276	
* 17X32X8	S	17,00	31,80	32,00	8,00	32	* 18X28X8	S	18,00	27,80	28,00	8,00	32
		.669	1.252	1.260	.315				.709	1.094	1.102	.315	
17X32X7	S	17,00	32,00	32,22	7,00	32	* 18X28X10	S	18,00	27,80	28,00	10,00	32
		.669	1.260	1.269	.276				.709	1.094	1.102	.394	
* 17X33X7	S	17,00	32,80	33,00	7,00	32	18X28X6	S	18,00	28,00	28,28	6,00	32
		.669	1.291	1.299	.276				.709	1.102	1.113	.236	
* 17X34X4	S	17,00	33,80	34,00	4,00	32	* 18X28X7V	V	18,00	28,00	28,20	7,00	35
		.669	1.331	1.339	.157				.709	1.102	1.110	.276	
* 17X34X7	S	17,00	33,80	34,00	7,00	32	* 18X29X7	S	18,00	28,80	29,00	7,00	32
		.669	1.331	1.339	.276				.709	1.134	1.142	.276	
* 17X35X6	S	17,00	34,80	35,00	6,00	32	* 18X30X6	S	18,00	29,80	30,00	6,00	32
		.669	1.370	1.378	.236				.709	1.173	1.181	.236	

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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 18X30X6	S	18,00	29,80	30,00	6,00	32	19X32X7	S	19,00	32,00	32,20	7,00	35
		.709	1.173	1.181	.236				.748	1.260	1.268	.276	
* 18X30X8	S	18,00	29,80	30,00	8,00	32	19X32X8	S	19,00	32,00	32,20	8,00	32
		.709	1.173	1.181	.315				.748	1.260	1.268	.315	
* 18X30X10	S	18,00	29,80	30,00	10,00	32	* 19X33X8	S	19,00	32,80	33,00	8,00	32
		.709	1.173	1.181	.394				.748	1.291	1.299	.315	
18X30X7	S	18,00	30,00	30,23	7,00	32	* 19X34X7	S	19,00	33,80	34,00	7,00	32
		.709	1.181	1.190	.276				.748	1.331	1.339	.276	
* 18X31X7	S	18,00	30,80	31,00	7,00	32	* 19X35X7	S	19,00	34,80	35,00	7,00	32
		.709	1.212	1.220	.276				.748	1.370	1.378	.276	
* 18X32X6	S	18,00	31,80	32,00	6,00	32	* 19X35X8	S	19,00	34,80	35,00	8,00	32
		.709	1.252	1.260	.236				.748	1.370	1.378	.315	
* 18X32X10	S	18,00	31,80	32,00	10,00	32	19X35X10	S	19,00	35,00	35,23	10,00	32
		.709	1.252	1.260	.394				.748	1.378	1.387	.394	
18X32X7	S	18,00	32,00	32,20	7,00	35	* 19X36X7	S	19,00	35,80	36,00	7,00	32
		.709	1.260	1.268	.276				.748	1.409	1.417	.276	
* 18X32X7V	V	18,00	32,00	32,20	7,00	35	* 19X37X10	S	19,00	36,80	37,00	10,00	32
		.709	1.260	1.268	.276				.748	1.449	1.457	.394	
18X32X8	S	18,00	32,00	32,22	8,00	32	* 19X37X7	S	19,00	37,00	37,20	7,00	32
		.709	1.260	1.269	.315				.748	1.457	1.465	.276	
* 18X34X7	S	18,00	33,80	34,00	7,00	32	* 19X38X8	S	19,00	37,80	38,00	8,00	32
		.709	1.331	1.339	.276				.748	1.488	1.496	.315	
* 18X35X8	S	18,00	34,80	35,00	8,00	32	* 19X38X10	S	19,00	37,80	38,00	10,00	32
		.709	1.370	1.378	.315				.748	1.488	1.496	.394	
* 18X35X10	S	18,00	34,80	35,00	10,00	32	* 19X38X7	S	19,00	38,00	38,20	7,00	32
		.709	1.370	1.378	.394				.748	1.496	1.504	.276	
18X35X7	S	18,00	35,00	35,18	7,00	32	* 19X40X7	S	19,00	39,80	40,00	7,00	32
		.709	1.378	1.385	.276				.748	1.567	1.575	.276	
* 18X35X8V	V	18,00	35,00	35,20	8,00	35	19X40X10	S	19,00	40,00	40,23	10,00	35
		.709	1.378	1.386	.315				.748	1.575	1.584	.394	
* 18X36X7	S	18,00	36,00	36,20	7,00	32	* 19X41X7	S	19,00	40,80	41,00	7,00	32
		.709	1.417	1.425	.276				.748	1.606	1.614	.276	
* 18X37X7	S	18,00	36,80	37,00	7,00	32	* 19X42X7	S	19,00	42,00	42,20	7,00	32
		.709	1.449	1.457	.276				.748	1.654	1.661	.276	
18X37X8	S	18,00	37,00	37,20	8,00	32	* 19X45X7	S	19,00	45,00	45,20	7,00	32
		.709	1.457	1.465	.315				.748	1.772	1.780	.276	
* 18X38X10	S	18,00	37,80	38,00	10,00	32	* 19X46X7	S	19,00	46,00	46,20	7,00	32
		.709	1.488	1.496	.394				.748	1.811	1.819	.276	
18X38X7	S	18,00	38,00	38,20	7,00	32	19X47X7	S	19,00	47,00	47,20	7,00	32
		.709	1.496	1.504	.276				.748	1.850	1.858	.276	
* 18X40X10	S	18,00	39,80	40,00	10,00	32	* 19X33.5X7	S	19,00	33,30	33,50	7,00	32
		.709	1.567	1.575	.394				.748	1.311	1.319	.276	
18X40X7	S	18,00	40,00	40,22	7,00	32	* 19.5X35X6	S	19,50	34,80	35,00	6,00	32
		.709	1.575	1.583	.276				.768	1.370	1.378	.236	
* 18X40X7V	V	18,00	40,00	40,20	7,00	35	* 19.8X30X5	S	19,80	29,80	30,00	5,00	32
		.709	1.575	1.583	.276				.780	1.173	1.181	.197	
* 18X42X7	S	18,00	41,80	42,00	7,00	32	* 20X25X7	S	20,00	24,80	25,00	7,00	32
		.709	1.646	1.654	.276				.787	.976	.984	.276	
* 18X42X10	S	18,00	41,80	42,00	10,00	32	* 20X26X4	S	20,00	25,80	26,00	4,00	32
		.709	1.646	1.654	.394				.787	1.016	1.024	.157	
* 19X25X6	S	19,00	24,80	25,00	6,00	32	* 20X26X5	S	20,00	25,80	26,00	5,00	32
		.748	.976	.984	.236				.787	1.016	1.024	.197	
* 19X27X5	S	19,00	26,80	27,00	5,00	32	* 20X26X5.6	S	20,00	25,80	26,00	5,60	32
		.748	1.055	1.063	.197				.787	1.016	1.024	.220	
* 19X27X10	S	19,00	26,80	27,00	10,00	32	* 20X27X5	S	20,00	26,80	27,00	5,00	32
		.748	1.055	1.063	.394				.787	1.055	1.063	.197	
19X27X6	S	19,00	27,00	27,20	6,00	35	* 20X28X4	S	20,00	27,80	28,00	4,00	32
		.748	1.063	1.071	.236				.787	1.094	1.102	.157	
* 19X28X7	S	19,00	27,80	28,00	7,00	32	* 20X28X7	S	20,00	27,80	28,00	7,00	32
		.748	1.094	1.102	.276				.787	1.094	1.102	.276	
* 19X29X7	S	19,00	28,80	29,00	7,00	32	20X28X6	S	20,00	28,00	28,20	6,00	32
		.748	1.134	1.142	.276				.787	1.102	1.110	.236	
19X30X7	S	19,00	30,00	30,20	7,00	32	* 20X30X6	S	20,00	29,80	30,00	6,00	32
		.748	1.181	1.189	.276				.787	1.173	1.181	.236	
* 19X32X5	S	19,00	31,80	32,00	5,00	32	* 20X30X9	S	20,00	29,80	30,00	9,00	32
		.748	1.252	1.260	.197				.787	1.173	1.181	.354	
* 19X32X6	S	19,00	31,80	32,00	6,00	32	* 20X30X10	S	20,00	29,80	30,00	10,00	32
		.748	1.252	1.260	.236				.787	1.173	1.181	.394	
* 19X32X10	S	19,00	31,80	32,00	10,00	32	* 20X30X4.5	S	20,00	29,80	30,00	4,50	32
		.748	1.252	1.260	.394				.787	1.173	1.181	.177	

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Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
20X30X5	S	20,00	30,00	30,20	5,00	35	*20X40X12	S	20,00	39,80	40,00	12,00	32
		.787	1.181	1.189	.197				.787	1.567	1.575	.472	
*20X30X5V	V	20,00	30,00	30,20	5,00	35	20X40X7	S	20,00	40,00	40,23	7,00	32
		.787	1.181	1.189	.197				.787	1.575	1.584	.276	
*20X30X5.5	S	20,00	29,80	30,00	5,50	32	*20X40X7V	V	20,00	40,00	40,20	7,00	32
		.787	1.173	1.181	.217				.787	1.575	1.583	.276	
20X30X7	S	20,00	30,00	30,28	7,00	35	20X40X10	S	20,00	40,00	40,23	10,00	35
		.787	1.181	1.192	.276				.787	1.575	1.584	.394	
*20X30X7V	V	20,00	30,00	30,20	7,00	35	*20X42X6	S	20,00	41,80	42,00	6,00	32
		.787	1.181	1.189	.276				.787	1.646	1.654	.236	
*20X31X5	S	20,00	30,80	31,00	5,00	32	*20X42X8	S	20,00	41,80	42,00	8,00	32
		.787	1.212	1.220	.197				.787	1.646	1.654	.315	
*20X31X7	S	20,00	31,00	31,20	7,00	32	20X42X7	S	20,00	42,00	42,25	7,00	32
		.787	1.220	1.228	.276				.787	1.654	1.663	.276	
*20X32X5	S	20,00	31,80	32,00	5,00	32	*20X42X7V	V	20,00	42,00	42,25	7,00	35
		.787	1.252	1.260	.197				.787	1.654	1.663	.276	
*20X32X6	S	20,00	31,80	32,00	6,00	32	20X42X10	S	20,00	42,00	42,15	10,00	45
		.787	1.252	1.260	.236				.787	1.654	1.659	.394	
*20X32X8	S	20,00	31,80	32,00	8,00	32	*20X44X7	S	20,00	43,80	44,00	7,00	32
		.787	1.252	1.260	.315				.787	1.724	1.732	.276	
*20X32X10	S	20,00	31,80	32,00	10,00	32	*20X45X7	S	20,00	44,80	45,00	7,00	32
		.787	1.252	1.260	.394				.787	1.764	1.772	.276	
20X32X7	S	20,00	32,00	32,23	7,00	32	*20X45X8	S	20,00	44,80	45,00	8,00	32
		.787	1.260	1.269	.276				.787	1.764	1.772	.315	
*20X32X7.5	S	20,00	31,80	32,00	7,50	32	*20X45X10	S	20,00	44,80	45,00	10,00	32
		.787	1.252	1.260	.295				.787	1.764	1.772	.394	
*20X33X7	S	20,00	32,80	33,00	7,00	32	*20X45X12	S	20,00	44,80	45,00	12,00	32
		.787	1.291	1.299	.276				.787	1.764	1.772	.472	
*20X33X10	S	20,00	32,80	33,00	10,00	32	*20X46X8	S	20,00	45,80	46,00	8,00	32
		.787	1.291	1.299	.394				.787	1.803	1.811	.315	
*20X34X7	S	20,00	33,80	34,00	7,00	32	*20X46X7	S	20,00	46,00	46,20	7,00	32
		.787	1.331	1.339	.276				.787	1.811	1.819	.276	
*20X35X6	S	20,00	34,80	35,00	6,00	32	*20X47X6	S	20,00	46,80	47,00	6,00	32
		.787	1.370	1.378	.236				.787	1.842	1.850	.236	
*20X35X8	S	20,00	34,80	35,00	8,00	32	*20X47X8	S	20,00	46,80	47,00	8,00	32
		.787	1.370	1.378	.315				.787	1.842	1.850	.315	
*20X35X10	S	20,00	34,80	35,00	10,00	32	*20X47X9	S	20,00	46,80	47,00	9,00	32
		.787	1.370	1.378	.394				.787	1.842	1.850	.354	
20X35X7	S	20,00	35,00	35,23	7,00	32	*20X47X10	S	20,00	46,80	47,00	10,00	32
		.787	1.378	1.387	.276				.787	1.842	1.850	.394	
*20X36X8	S	20,00	35,80	36,00	8,00	32	*20X47X12	S	20,00	46,80	47,00	12,00	32
		.787	1.409	1.417	.315				.787	1.842	1.850	.472	
*20X36X10	S	20,00	35,80	36,00	10,00	32	*20X47X13	S	20,00	46,80	47,00	13,00	32
		.787	1.409	1.417	.394				.787	1.842	1.850	.512	
*20X36X12	S	20,00	35,80	36,00	12,00	32	20X47X7	S	20,00	47,00	47,22	7,00	32
		.787	1.409	1.417	.472				.787	1.850	1.859	.276	
20X36X7	S	20,00	36,00	36,20	7,00	32	*20X47X7V	V	20,00	47,00	47,20	7,00	35
		.787	1.417	1.425	.276				.787	1.850	1.858	.276	
*20X37X6	S	20,00	36,80	37,00	6,00	32	*20X48X8	S	20,00	47,80	48,00	8,00	32
		.787	1.449	1.457	.236				.787	1.882	1.890	.315	
*20X37X10	S	20,00	36,80	37,00	10,00	32	*20X48X10	S	20,00	47,80	48,00	10,00	32
		.787	1.449	1.457	.394				.787	1.882	1.890	.394	
20X37X7	S	20,00	37,00	37,20	7,00	32	*20X48X7	S	20,00	48,00	48,20	7,00	32
		.787	1.457	1.465	.276				.787	1.890	1.898	.276	
20X37X8	S	20,00	37,00	37,20	8,00	32	*20X49X7	S	20,00	48,80	49,00	7,00	32
		.787	1.457	1.465	.315				.787	1.921	1.929	.276	
*20X38X5	S	20,00	37,80	38,00	5,00	32	*20X50X8	S	20,00	49,80	50,00	8,00	32
		.787	1.488	1.496	.197				.787	1.961	1.969	.315	
*20X38X8	S	20,00	37,80	38,00	8,00	32	*20X50X10	S	20,00	49,80	50,00	10,00	32
		.787	1.488	1.496	.315				.787	1.961	1.969	.394	
*20X38X10	S	20,00	37,80	38,00	10,00	32	*20X50X7	S	20,00	50,00	50,20	7,00	32
		.787	1.488	1.496	.394				.787	1.969	1.976	.276	
20X38X7	S	20,00	38,00	38,20	7,00	32	*20X52X8	S	20,00	51,75	52,00	8,00	32
		.787	1.496	1.504	.276				.787	2.037	2.047	.315	
*20X39X6	S	20,00	38,80	39,00	6,00	32	*20X52X9	S	20,00	51,75	52,00	9,00	32
		.787	1.527	1.535	.236				.787	2.037	2.047	.354	
*20X40X8	S	20,00	39,80	40,00	8,00	32	*20X52X10	S	20,00	51,75	52,00	10,00	32
		.787	1.567	1.575	.315				.787	2.037	2.047	.394	
*20X40X9	S	20,00	39,80	40,00	9,00	32	*20X52X12	S	20,00	51,75	52,00	12,00	32
		.787	1.567	1.575	.354				.787	2.037	2.047	.472	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
20X52X7	S	20,00	52,00	52,20	7,00	32	* 22X35X10	S	22,00	34,80	35,00	10,00	32
		.787	2.047	2.055	.276				.866	1.370	1.378	.394	
* 20X37.7X7	S	20,00	37,50	37,70	7,00	32	22X35X7	S	22,00	35,00	35,23	7,00	32
		.787	1.476	1.484	.276				.866	1.378	1.387	.276	
* 20X39.8X6.5	S	20,00	39,60	39,80	6,50	32	* 22X35X7V	V	22,00	35,00	35,20	7,00	35
		.787	1.559	1.567	.256				.866	1.378	1.386	.276	
* 20X41.25X7	S	20,00	41,05	41,25	7,00	32	* 22X36X8	S	22,00	35,80	36,00	8,00	32
		.787	1.616	1.624	.276				.866	1.409	1.417	.315	
* 21X31X7	S	21,00	30,80	31,00	7,00	32	* 22X36X10	S	22,00	35,80	36,00	10,00	32
		.827	1.212	1.220	.276				.866	1.409	1.417	.394	
* 21X32X5	S	21,00	31,80	32,00	5,00	32	22X36X7	S	22,00	36,00	36,20	7,00	32
		.827	1.252	1.260	.197				.866	1.417	1.425	.276	
* 21X33X7	S	21,00	32,80	33,00	7,00	32	* 22X37X6	S	22,00	36,80	37,00	6,00	32
		.827	1.291	1.299	.276				.866	1.449	1.457	.236	
21X35X7	S	21,00	35,00	35,20	7,00	32	22X37X7	S	22,00	37,00	37,23	7,00	35
		.827	1.378	1.386	.276				.866	1.457	1.466	.276	
21X35X8	S	21,00	35,00	35,20	8,00	32	22X38X7	S	22,00	38,00	38,20	7,00	35
		.827	1.378	1.386	.315				.866	1.496	1.504	.276	
* 21X36X8	S	21,00	36,00	36,20	8,00	32	* 22X38X7V	V	22,00	38,00	38,20	7,00	35
		.827	1.417	1.425	.315				.866	1.496	1.504	.276	
* 21X37X7	S	21,00	36,80	37,00	7,00	32	22X38X8	S	22,00	38,00	38,20	8,00	32
		.827	1.449	1.457	.276				.866	1.496	1.504	.315	
* 21X37X5.5	S	21,00	36,80	37,00	5,50	32	* 22X39X7	S	22,00	38,80	39,00	7,00	32
		.827	1.449	1.457	.217				.866	1.527	1.535	.276	
* 21X37X8	S	21,00	37,00	37,20	8,00	32	* 22X40X4	S	22,00	39,80	40,00	4,00	32
		.827	1.457	1.465	.315				.866	1.567	1.575	.157	
* 21X38X8	S	21,00	38,00	38,20	8,00	32	* 22X40X10	S	22,00	39,80	40,00	10,00	32
		.827	1.496	1.504	.315				.866	1.567	1.575	.394	
* 21X40X7	S	21,00	39,80	40,00	7,00	32	* 22X40X11	S	22,00	39,80	40,00	11,00	32
		.827	1.567	1.575	.276				.866	1.567	1.575	.433	
* 21X40X8	S	21,00	40,00	40,20	8,00	32	* 22X40X12	S	22,00	39,80	40,00	12,00	32
		.827	1.575	1.583	.315				.866	1.567	1.575	.472	
* 21X52X8	S	21,00	52,00	52,20	8,00	32	22X40X7	S	22,00	40,00	40,23	7,00	32
		.827	2.047	2.055	.315				.866	1.575	1.584	.276	
* 21.5X35X8	S	21,50	34,80	35,00	8,00	32	* 22X40X7V	V	22,00	40,00	40,20	7,00	32
		.846	1.370	1.378	.315				.866	1.575	1.583	.276	
* 21.7X35X6.5	S	21,70	34,80	35,00	6,50	32	22X40X8	S	22,00	40,00	40,20	8,00	35
		.854	1.370	1.378	.256				.866	1.575	1.583	.315	
* 22X28X8	S	22,00	28,00	28,20	8,00	32	* 22X42X6	S	22,00	41,80	42,00	6,00	32
		.866	1.102	1.110	.315				.866	1.646	1.654	.236	
* 22X30X7	S	22,00	29,80	30,00	7,00	32	* 22X42X11	S	22,00	41,80	42,00	11,00	32
		.866	1.173	1.181	.276				.866	1.646	1.654	.433	
* 22X30X8	S	22,00	29,80	30,00	8,00	32	22X42X7	S	22,00	42,00	42,20	7,00	32
		.866	1.173	1.181	.315				.866	1.654	1.661	.276	
* 22X31X7	S	22,00	30,80	31,00	7,00	32	22X42X10	S	22,00	42,00	42,20	10,00	35
		.866	1.212	1.220	.276				.866	1.654	1.661	.394	
22X31X6	S	22,00	31,00	31,20	6,00	32	* 22X44X7	S	22,00	43,80	44,00	7,00	32
		.866	1.220	1.228	.236				.866	1.724	1.732	.276	
* 22X31X8	S	22,00	31,00	31,20	8,00	32	* 22X45X5	S	22,00	44,80	45,00	5,00	32
		.866	1.220	1.228	.315				.866	1.764	1.772	.197	
* 22X32X5	S	22,00	31,80	32,00	5,00	32	* 22X45X8	S	22,00	44,80	45,00	8,00	32
		.866	1.252	1.260	.197				.866	1.764	1.772	.315	
* 22X32X6	S	22,00	31,80	32,00	6,00	32	* 22X45X10	S	22,00	44,80	45,00	10,00	32
		.866	1.252	1.260	.236				.866	1.764	1.772	.394	
22X32X7	S	22,00	32,00	32,23	7,00	32	22X45X7	S	22,00	45,00	45,23	7,00	35
		.866	1.260	1.269	.276				.866	1.772	1.781	.276	
* 22X32X7V	V	22,00	32,00	32,20	7,00	35	* 22X46X8	S	22,00	46,00	46,20	8,00	32
		.866	1.260	1.268	.276				.866	1.811	1.819	.315	
* 22X33X7	S	22,00	32,80	33,00	7,00	32	* 22X47X10	S	22,00	46,80	47,00	10,00	32
		.866	1.291	1.299	.276				.866	1.842	1.850	.394	
* 22X33X10	S	22,00	32,80	33,00	10,00	32	22X47X7	S	22,00	47,00	47,23	7,00	32
		.866	1.291	1.299	.394				.866	1.850	1.859	.276	
* 22X34X7	S	22,00	33,80	34,00	7,00	32	* 22X48X7	S	22,00	47,80	48,00	7,00	32
		.866	1.331	1.339	.276				.866	1.882	1.890	.276	
* 22X35X5	S	22,00	34,80	35,00	5,00	32	* 22X48X11	S	22,00	47,80	48,00	11,00	32
		.866	1.370	1.378	.197				.866	1.882	1.890	.433	
* 22X35X8	S	22,00	34,80	35,00	8,00	32	* 22X48X8	S	22,00	48,00	48,20	8,00	32
		.866	1.370	1.378	.315				.866	1.890	1.898	.315	
* 22X35X9	S	22,00	34,80	35,00	9,00	32	* 22X50X5	S	22,00	49,80	50,00	5,00	32
		.866	1.370	1.378	.354				.866	1.961	1.969	.197	

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 22X50X10	S	22,00	49,80	50,00	10,00	32	24X38X7	S	24,00	38,00	38,20	7,00	32
		.866	1.961	1.969	.394				.945	1.496	1.504	.276	
* 22X50X8	S	22,00	50,00	50,20	8,00	32	* 24X38X8.5	S	24,00	37,80	38,00	8,50	32
		.866	1.969	1.976	.315				.945	1.488	1.496	.335	
* 22X52X10	S	22,00	51,75	52,00	10,00	32	* 24X40X8	S	24,00	39,80	40,00	8,00	32
		.866	2.037	2.047	.394				.945	1.567	1.575	.315	
* 22X52X8	S	22,00	52,00	52,20	8,00	32	* 24X40X6V	V	24,00	40,00	40,20	6,00	35
		.866	2.047	2.055	.315				.945	1.575	1.583	.236	
* 22X56X7	S	22,00	55,75	56,00	7,00	32	24X40X7	S	24,00	40,00	40,23	7,00	32
		.866	2.195	2.205	.276				.945	1.575	1.584	.276	
* 22X41.5X6	S	22,00	41,30	41,50	6,00	32	24X42X7	S	24,00	42,00	42,20	7,00	32
		.866	1.626	1.634	.236				.945	1.654	1.661	.276	
* 22X41.25X6	S	22,00	41,05	41,25	6,00	32	* 24X42X8	S	24,00	42,00	42,25	8,00	35
		.866	1.616	1.624	.236				.945	1.654	1.663	.315	
* 23X32X7	S	23,00	31,80	32,00	7,00	32	24X42X10	S	24,00	42,00	42,25	10,00	32
		.906	1.252	1.260	.276				.945	1.654	1.663	.394	
* 23X35X7	S	23,00	34,80	35,00	7,00	32	* 24X43X6	S	24,00	42,80	43,00	6,00	32
		.906	1.370	1.378	.276				.945	1.685	1.693	.236	
* 23X36X6	S	23,00	35,80	36,00	6,00	32	* 24X43X7	S	24,00	42,80	43,00	7,00	32
		.906	1.409	1.417	.236				.945	1.685	1.693	.276	
* 23X36X7	S	23,00	35,80	36,00	7,00	32	* 24X45X6	S	24,00	44,80	45,00	6,00	32
		.906	1.409	1.417	.276				.945	1.764	1.772	.236	
* 23X36X10	S	23,00	35,80	36,00	10,00	32	* 24X45X7	S	24,00	44,80	45,00	7,00	32
		.906	1.409	1.417	.394				.945	1.764	1.772	.276	
* 23X36X13	S	23,00	35,80	36,00	13,00	32	* 24X45X11	S	24,00	44,80	45,00	11,00	32
		.906	1.409	1.417	.512				.945	1.764	1.772	.433	
* 23X37X7	S	23,00	36,80	37,00	7,00	32	* 24X45X8	S	24,00	45,00	45,20	8,00	32
		.906	1.449	1.457	.276				.945	1.772	1.780	.315	
* 23X38X7	S	23,00	37,80	38,00	7,00	32	* 24X46X10	S	24,00	45,80	46,00	10,00	32
		.906	1.488	1.496	.276				.945	1.803	1.811	.394	
* 23X40X6	S	23,00	39,80	40,00	6,00	32	* 24X46X8	S	24,00	46,00	46,20	8,00	32
		.906	1.567	1.575	.236				.945	1.811	1.819	.315	
* 23X40X10	S	23,00	39,80	40,00	10,00	32	* 24X47X10	S	24,00	46,80	47,00	10,00	32
		.906	1.567	1.575	.394				.945	1.842	1.850	.394	
* 23X42X7	S	23,00	41,80	42,00	7,00	32	24X47X7	S	24,00	47,00	47,23	7,00	32
		.906	1.646	1.654	.276				.945	1.850	1.859	.276	
* 23X43X8	S	23,00	42,80	43,00	8,00	32	* 24X48X7	S	24,00	47,80	48,00	7,00	32
		.906	1.685	1.693	.315				.945	1.882	1.890	.276	
* 23X47X7	S	23,00	46,80	47,00	7,00	32	* 24X48X8	S	24,00	48,00	48,20	8,00	32
		.906	1.842	1.850	.276				.945	1.890	1.898	.315	
* 23X47X8	S	23,00	46,80	47,00	8,00	32	* 24X49X12	S	24,00	48,80	49,00	12,00	32
		.906	1.842	1.850	.315				.945	1.921	1.929	.472	
* 23X47X10	S	23,00	46,80	47,00	10,00	32	* 24X50X8	S	24,00	50,00	50,20	8,00	32
		.906	1.842	1.850	.394				.945	1.969	1.976	.315	
* 24X32X4	S	24,00	31,80	32,00	4,00	32	24X52X7	S	24,00	52,00	52,20	7,00	32
		.945	1.252	1.260	.157				.945	2.047	2.055	.276	
* 24X32X7	S	24,00	31,80	32,00	7,00	32	* 24X77X18	S	24,00	76,72	77,00	18,00	32
		.945	1.252	1.260	.276				.945	3.020	3.031	.709	
* 24X33X7	S	24,00	32,80	33,00	7,00	32	* 25X32X4	S	25,00	31,80	32,00	4,00	32
		.945	1.291	1.299	.276				.984	1.252	1.260	.157	
* 24X34X7	S	24,00	33,80	34,00	7,00	32	* 25X32X6	S	25,00	31,80	32,00	6,00	32
		.945	1.331	1.339	.276				.984	1.252	1.260	.236	
* 24X35X6	S	24,00	34,80	35,00	6,00	32	* 25X32X7	S	25,00	31,80	32,00	7,00	32
		.945	1.370	1.378	.236				.984	1.252	1.260	.276	
* 24X35X8	S	24,00	34,80	35,00	8,00	32	* 25X33X6	S	25,00	32,80	33,00	6,00	32
		.945	1.370	1.378	.315				.984	1.291	1.299	.236	
24X35X7	S	24,00	35,00	35,23	7,00	32	* 25X34X5	S	25,00	33,80	34,00	5,00	32
		.945	1.378	1.387	.276				.984	1.331	1.339	.197	
* 24X36X7	S	24,00	35,80	36,00	7,00	32	* 25X35X5	S	25,00	34,80	35,00	5,00	32
		.945	1.409	1.417	.276				.984	1.370	1.378	.197	
* 24X36X8	S	24,00	35,80	36,00	8,00	32	* 25X35X8	S	25,00	34,80	35,00	8,00	32
		.945	1.409	1.417	.315				.984	1.370	1.378	.315	
* 24X36X7V	V	24,00	36,00	36,20	7,00	35	* 25X35X9	S	25,00	34,80	35,00	9,00	32
		.945	1.417	1.425	.276				.984	1.370	1.378	.354	
24X37X7	S	24,00	37,00	37,23	7,00	35	* 25X35X10	S	25,00	34,80	35,00	10,00	32
		.945	1.457	1.466	.276				.984	1.370	1.378	.394	
* 24X38X8	S	24,00	37,80	38,00	8,00	32	25X35X6	S	25,00	35,00	35,20	6,00	32
		.945	1.488	1.496	.315				.984	1.378	1.386	.236	
* 24X38X10	S	24,00	37,80	38,00	10,00	32	25X35X7	S	25,00	35,00	35,25	7,00	35
		.945	1.488	1.496	.394				.984	1.378	1.388	.276	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*25X35X7V	V	25,00	35,00	35,10	7,00	48	*25X43X7	S	25,00	42,80	43,00	7,00	32
		.984	1.378	1.382	.276			.984	1.685	1.693	.276		
*25X35X8.5	S	25,00	34,80	35,00	8,50	32	*25X43X9	S	25,00	42,80	43,00	9,00	32
		.984	1.370	1.378	.335			.984	1.685	1.693	.354		
*25X36X6	S	25,00	35,80	36,00	6,00	32	*25X43X10	S	25,00	42,80	43,00	10,00	32
		.984	1.409	1.417	.236			.984	1.685	1.693	.394		
25X36X7	S	25,00	36,00	36,23	7,00	32	*25X44X7	S	25,00	43,80	44,00	7,00	32
		.984	1.417	1.426	.276			.984	1.724	1.732	.276		
25X36X8	S	25,00	36,00	36,22	8,00	32	*25X44X8	S	25,00	43,80	44,00	8,00	32
		.984	1.417	1.426	.315			.984	1.724	1.732	.315		
*25X37X5	S	25,00	36,80	37,00	5,00	32	*25X45X7	S	25,00	44,80	45,00	7,00	32
		.984	1.449	1.457	.197			.984	1.764	1.772	.276		
*25X37X6	S	25,00	36,80	37,00	6,00	32	*25X45X9	S	25,00	44,80	45,00	9,00	32
		.984	1.449	1.457	.236			.984	1.764	1.772	.354		
*25X37X8	S	25,00	36,80	37,00	8,00	32	*25X45X10	S	25,00	44,80	45,00	10,00	32
		.984	1.449	1.457	.315			.984	1.764	1.772	.394		
*25X37X5V	V	25,00	37,00	37,20	5,00	35	*25X45X11	S	25,00	44,80	45,00	11,00	32
		.984	1.457	1.465	.197			.984	1.764	1.772	.433		
25X37X7	S	25,00	37,00	37,20	7,00	32	*25X45X12	S	25,00	44,80	45,00	12,00	32
		.984	1.457	1.465	.276			.984	1.764	1.772	.472		
*25X38X6	S	25,00	37,80	38,00	6,00	32	25X45X8	S	25,00	45,00	45,23	8,00	32
		.984	1.488	1.496	.236			.984	1.772	1.781	.315		
*25X38X8	S	25,00	37,80	38,00	8,00	32	25X46X7	S	25,00	46,00	46,20	7,00	32
		.984	1.488	1.496	.315			.984	1.811	1.819	.276		
*25X38X10	S	25,00	37,80	38,00	10,00	32	*25X46X8	S	25,00	46,00	46,20	8,00	32
		.984	1.488	1.496	.394			.984	1.811	1.819	.315		
25X38X7	S	25,00	38,00	38,23	7,00	32	*25X47X6	S	25,00	46,80	47,00	6,00	32
		.984	1.496	1.505	.276			.984	1.842	1.850	.236		
*25X38X7V	V	25,00	38,00	38,20	7,00	35	*25X47X8	S	25,00	46,80	47,00	8,00	32
		.984	1.496	1.504	.276			.984	1.842	1.850	.315		
*25X39X8	S	25,00	38,80	39,00	8,00	32	*25X47X10	S	25,00	46,80	47,00	10,00	32
		.984	1.527	1.535	.315			.984	1.842	1.850	.394		
*25X40X5	S	25,00	39,80	40,00	5,00	32	25X47X7	S	25,00	47,00	47,23	7,00	32
		.984	1.567	1.575	.197			.984	1.850	1.859	.276		
*25X40X6	S	25,00	39,80	40,00	6,00	32	*25X47X10V	V	25,00	47,00	47,20	10,00	35
		.984	1.567	1.575	.236			.984	1.850	1.858	.394		
*25X40X6	S	25,00	39,80	40,00	6,00	32	*25X48X7	S	25,00	47,80	48,00	7,00	32
		.984	1.567	1.575	.236			.984	1.882	1.890	.276		
*25X40X8	S	25,00	39,80	40,00	8,00	32	*25X48X10	S	25,00	47,80	48,00	10,00	32
		.984	1.567	1.575	.315			.984	1.882	1.890	.394		
*25X40X10	S	25,00	39,80	40,00	10,00	32	25X48X8	S	25,00	48,00	48,20	8,00	32
		.984	1.567	1.575	.394			.984	1.890	1.898	.315		
*25X40X11	S	25,00	39,80	40,00	11,00	32	*25X49X10	S	25,00	48,80	49,00	10,00	32
		.984	1.567	1.575	.433			.984	1.921	1.929	.394		
*25X40X12	S	25,00	39,80	40,00	12,00	32	*25X50X12	S	25,00	49,80	50,00	12,00	32
		.984	1.567	1.575	.472			.984	1.961	1.969	.472		
25X40X7	S	25,00	40,00	40,22	7,00	32	25X50X8	S	25,00	50,00	50,20	8,00	32
		.984	1.575	1.583	.276			.984	1.969	1.976	.315		
*25X40X7V	V	25,00	40,00	40,20	7,00	35	25X50X10	S	25,00	50,00	50,28	10,00	35
		.984	1.575	1.583	.276			.984	1.969	1.980	.394		
*25X41X6	S	25,00	40,80	41,00	6,00	32	*25X50X10V	V	25,00	50,00	50,20	10,00	35
		.984	1.606	1.614	.236			.984	1.969	1.976	.394		
*25X41X7	S	25,00	40,80	41,00	7,00	32	*25X52X12	S	25,00	51,75	52,00	12,00	32
		.984	1.606	1.614	.276			.984	2.037	2.047	.472		
*25X42X7	S	25,00	41,80	42,00	7,00	32	25X52X7	S	25,00	52,00	52,27	7,00	32
		.984	1.646	1.654	.276			.984	2.047	2.058	.276		
*25X42X12	S	25,00	41,80	42,00	12,00	32	*25X52X7V	V	25,00	52,00	52,20	7,00	35
		.984	1.646	1.654	.472			.984	2.047	2.055	.276		
*25X42X5.5	S	25,00	41,80	42,00	5,50	32	25X52X8	S	25,00	52,00	52,20	8,00	35
		.984	1.646	1.654	.217			.984	2.047	2.055	.315		
25X42X6	S	25,00	42,00	42,20	6,00	32	*25X52X9.5	S	25,00	51,75	52,00	9,50	32
		.984	1.654	1.661	.236			.984	2.037	2.047	.374		
*25X42X7V	V	25,00	42,00	42,20	7,00	32	25X52X10	S	25,00	52,00	52,20	10,00	35
		.984	1.654	1.661	.276			.984	2.047	2.055	.394		
25X42X8	S	25,00	42,00	42,20	8,00	32	*25X53X10	S	25,00	52,75	53,00	10,00	32
		.984	1.654	1.661	.315			.984	2.077	2.087	.394		
*25X42X8.5	S	25,00	41,80	42,00	8,50	32	*25X54X8	S	25,00	54,00	54,20	8,00	32
		.984	1.646	1.654	.335			.984	2.126	2.134	.315		
25X42X10	S	25,00	42,00	42,28	10,00	35	*25X55X10	S	25,00	54,75	55,00	10,00	32
		.984	1.654	1.665	.394			.984	2.155	2.165	.394		

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 25X55X12	S	25,00	54,75	55,00	12,00	32	* 26X42X8	S	26,00	41,80	42,00	8,00	32
		.984	2.155	2.165	.472				1.024	1.646	1.654	.315	
* 25X55X8	S	25,00	55,00	55,20	8,00	32	26X42X7	S	26,00	42,00	42,20	7,00	32
		.984	2.165	2.173	.315				1.024	1.654	1.661	.276	
* 25X56X8	S	25,00	56,00	56,20	8,00	32	26X42X10	S	26,00	42,00	42,23	10,00	32
		.984	2.205	2.213	.315				1.024	1.654	1.663	.394	
* 25X58X10	S	25,00	57,75	58,00	10,00	32	* 26X43X8	S	26,00	42,80	43,00	8,00	32
		.984	2.273	2.283	.394				1.024	1.685	1.693	.315	
* 25X58X8	S	25,00	58,00	58,20	8,00	32	* 26X44X7	S	26,00	43,80	44,00	7,00	32
		.984	2.283	2.291	.315				1.024	1.724	1.732	.276	
* 25X60X10	S	25,00	59,75	60,00	10,00	32	* 26X45X7	S	26,00	44,80	45,00	7,00	32
		.984	2.352	2.362	.394				1.024	1.764	1.772	.276	
* 25X60X8	S	25,00	60,00	60,20	8,00	32	* 26X45X10	S	26,00	44,80	45,00	10,00	32
		.984	2.362	2.370	.315				1.024	1.764	1.772	.394	
* 25X62X8	S	25,00	61,75	62,00	8,00	32	* 26X45X8	S	26,00	45,00	45,20	8,00	32
		.984	2.431	2.441	.315				1.024	1.772	1.780	.315	
25X62X7	S	25,00	62,00	62,20	7,00	32	* 26X46X8	S	26,00	46,00	46,20	8,00	32
		.984	2.441	2.449	.276				1.024	1.811	1.819	.315	
* 25X62X7V	V	25,00	62,00	62,20	7,00	35	* 26X47X6	S	26,00	46,80	47,00	6,00	32
		.984	2.441	2.449	.276				1.024	1.842	1.850	.236	
25X62X10	S	25,00	62,00	62,28	10,00	32	* 26X47X8	S	26,00	46,80	47,00	8,00	32
		.984	2.441	2.452	.394				1.024	1.842	1.850	.315	
* 25X65X10	S	25,00	64,75	65,00	10,00	32	* 26X47X10	S	26,00	46,80	47,00	10,00	32
		.984	2.549	2.559	.394				1.024	1.842	1.850	.394	
* 25X66X8.5	S	25,00	65,75	66,00	8,50	32	* 26X47X11	S	26,00	46,80	47,00	11,00	32
		.984	2.588	2.598	.335				1.024	1.842	1.850	.433	
* 25X70X10	S	25,00	69,75	70,00	10,00	32	* 26X47X12	S	26,00	46,80	47,00	12,00	32
		.984	2.746	2.756	.394				1.024	1.842	1.850	.472	
* 25X72X8	S	25,00	71,75	72,00	8,00	32	26X47X7	S	26,00	47,00	47,23	7,00	32
		.984	2.825	2.835	.315				1.024	1.850	1.859	.276	
* 25X80X10	S	25,00	79,72	80,00	10,00	32	* 26X48X8	S	26,00	47,80	48,00	8,00	32
		.984	3.139	3.150	.394				1.024	1.882	1.890	.315	
* 25X41.2X8	S	25,00	41,00	41,20	8,00	32	26X48X7	S	26,00	48,00	48,23	7,00	32
		.984	1.614	1.622	.315				1.024	1.890	1.899	.276	
* 25X41.5X7	S	25,00	41,30	41,50	7,00	32	* 26X50X7	S	26,00	49,80	50,00	7,00	32
		.984	1.626	1.634	.276				1.024	1.961	1.969	.276	
* 25X41.5X10	S	25,00	41,30	41,50	10,00	32	* 26X50X10	S	26,00	49,80	50,00	10,00	32
		.984	1.626	1.634	.394				1.024	1.961	1.969	.394	
* 25X42.9X9.5	S	25,00	42,70	42,90	9,50	32	* 26X50X8	S	26,00	50,00	50,20	8,00	32
		.984	1.681	1.689	.374				1.024	1.969	1.976	.315	
* 25X41.25X6	S	25,00	41,05	41,25	6,00	32	* 26X52X7	S	26,00	51,75	52,00	7,00	32
		.984	1.616	1.624	.236				1.024	2.037	2.047	.276	
* 25X41.25X7	S	25,00	41,05	41,25	7,00	32	26X52X8	S	26,00	52,00	52,20	8,00	32
		.984	1.616	1.624	.276				1.024	2.047	2.055	.315	
* 25X44.45X10	S	25,00	44,25	44,45	10,00	32	* 26X62X9	S	26,00	61,75	62,00	9,00	32
		.984	1.742	1.750	.394				1.024	2.431	2.441	.354	
* 25.7X35X7	S	25,70	34,80	35,00	7,00	32	* 26X72X10	S	26,00	71,75	72,00	10,00	32
		1.012	1.370	1.378	.276				1.024	2.825	2.835	.394	
* 26X35X7	S	26,00	34,80	35,00	7,00	32	* 26X41.3X10	S	26,00	41,10	41,30	10,00	32
		1.024	1.370	1.378	.276				1.024	1.618	1.626	.394	
* 26X36X5	S	26,00	35,80	36,00	5,00	32	* 27X36X6	S	27,00	35,80	36,00	6,00	32
		1.024	1.409	1.417	.197				1.063	1.409	1.417	.236	
* 26X36X7	S	26,00	35,80	36,00	7,00	32	27X37X7	S	27,00	37,00	37,15	7,00	35
		1.024	1.409	1.417	.276				1.063	1.457	1.463	.276	
* 26X37X8	S	26,00	36,80	37,00	8,00	32	* 27X37X7V	V	27,00	37,00	37,20	7,00	35
		1.024	1.449	1.457	.315				1.063	1.457	1.465	.276	
26X37X7	S	26,00	37,00	37,20	7,00	32	* 27X37X8.5	S	27,00	36,80	37,00	8,50	32
		1.024	1.457	1.465	.276				1.063	1.449	1.457	.335	
* 26X38X7	S	26,00	37,80	38,00	7,00	32	* 27X38X5	S	27,00	37,80	38,00	5,00	32
		1.024	1.488	1.496	.276				1.063	1.488	1.496	.197	
* 26X38X8	S	26,00	37,80	38,00	8,00	32	* 27X38X6	S	27,00	37,80	38,00	6,00	32
		1.024	1.488	1.496	.315				1.063	1.488	1.496	.236	
26X38X5	S	26,00	38,00	38,20	5,00	32	* 27X40X6	S	27,00	39,80	40,00	6,00	32
		1.024	1.496	1.504	.197				1.063	1.567	1.575	.236	
* 26X40X8	S	26,00	39,80	40,00	8,00	32	* 27X40X7	S	27,00	39,80	40,00	7,00	32
		1.024	1.567	1.575	.315				1.063	1.567	1.575	.276	
* 26X40X10	S	26,00	39,80	40,00	10,00	32	* 27X40X8	S	27,00	39,80	40,00	8,00	32
		1.024	1.567	1.575	.394				1.063	1.567	1.575	.315	
26X40X7	S	26,00	40,00	40,20	7,00	32	* 27X40X10	S	27,00	39,80	40,00	10,00	32
		1.024	1.575	1.583	.276				1.063	1.567	1.575	.394	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*27X40X12	S	27,00	39,80	40,00	12,00	32	*28X43X6	S	28,00	42,80	43,00	6,00	32
		1.063	1.567	1.575	.472				1.102	1.685	1.693	.236	
*27X42X5	S	27,00	41,80	42,00	5,00	32	*28X43X10	S	28,00	42,80	43,00	10,00	32
		1.063	1.646	1.654	.197				1.102	1.685	1.693	.394	
*27X42X8	S	27,00	41,80	42,00	8,00	32	*28X44X7	S	28,00	43,80	44,00	7,00	32
		1.063	1.646	1.654	.315				1.102	1.724	1.732	.276	
27X42X7	S	27,00	42,00	42,20	7,00	35	*28X44X8	S	28,00	43,80	44,00	8,00	32
		1.063	1.654	1.661	.276				1.102	1.724	1.732	.315	
27X42X10	S	27,00	42,00	42,23	10,00	35	28X44X6	N	28,00	44,00	44,23	6,00	32
		1.063	1.654	1.663	.394				1.102	1.732	1.741	.236	
*27X43X9	S	27,00	42,80	43,00	9,00	32	*28X45X7	S	28,00	44,80	45,00	7,00	32
		1.063	1.685	1.693	.354				1.102	1.764	1.772	.276	
27X43X8	S	27,00	43,00	43,20	8,00	32	*28X45X10	S	28,00	44,80	45,00	10,00	32
		1.063	1.693	1.701	.315				1.102	1.764	1.772	.394	
27X45X8	S	27,00	45,00	45,25	8,00	35	*28X45X7V	V	28,00	45,00	45,20	7,00	35
		1.063	1.772	1.781	.315				1.102	1.772	1.780	.276	
*27X46X8	S	27,00	46,00	46,20	8,00	32	28X45X8	S	28,00	45,00	45,20	8,00	32
		1.063	1.811	1.819	.315				1.102	1.772	1.780	.315	
*27X47X7	S	27,00	46,80	47,00	7,00	32	*28X45X8.7	S	28,00	44,80	45,00	8,70	32
		1.063	1.842	1.850	.276				1.102	1.764	1.772	.343	
*27X47X8	S	27,00	47,00	47,23	8,00	35	*28X46X8	S	28,00	46,00	46,20	8,00	32
		1.063	1.850	1.859	.315				1.102	1.811	1.819	.315	
27X47X10	S	27,00	47,00	47,23	10,00	35	*28X47X6	S	28,00	46,80	47,00	6,00	32
		1.063	1.850	1.859	.394				1.102	1.842	1.850	.236	
*27X48X8	S	27,00	48,00	48,20	8,00	32	*28X47X9	S	28,00	46,80	47,00	9,00	32
		1.063	1.890	1.898	.315				1.102	1.842	1.850	.354	
*27X50X10	S	27,00	49,80	50,00	10,00	32	*28X47X10	S	28,00	46,80	47,00	10,00	32
		1.063	1.961	1.969	.394				1.102	1.842	1.850	.394	
*27X50X8	S	27,00	50,00	50,20	8,00	32	28X47X7	S	28,00	47,00	47,22	7,00	32
		1.063	1.969	1.976	.315				1.102	1.850	1.859	.276	
27X52X8	S	27,00	52,00	52,20	8,00	35	*28X47X7V	V	28,00	47,00	47,20	7,00	35
		1.063	2.047	2.055	.315				1.102	1.850	1.858	.276	
*27X53X7	S	27,00	52,75	53,00	7,00	32	*28X47X8	S	28,00	47,00	47,22	8,00	33
		1.063	2.077	2.087	.276				1.102	1.850	1.859	.315	
*27.6X40X5.5	S	27,60	39,80	40,00	5,50	32	*28X48X7	S	28,00	47,80	48,00	7,00	32
		1.087	1.567	1.575	.217				1.102	1.882	1.890	.276	
*28X35X5	S	28,00	34,80	35,00	5,00	32	*28X48X11	S	28,00	47,80	48,00	11,00	32
		1.102	1.370	1.378	.197				1.102	1.882	1.890	.433	
*28X35X7	S	28,00	34,80	35,00	7,00	32	28X48X8	S	28,00	48,00	48,20	8,00	32
		1.102	1.370	1.378	.276				1.102	1.890	1.898	.315	
*28X35X10	S	28,00	34,80	35,00	10,00	32	*28X50X10	S	28,00	49,80	50,00	10,00	32
		1.102	1.370	1.378	.394				1.102	1.961	1.969	.394	
*28X36X7	S	28,00	35,80	36,00	7,00	32	*28X50X8	S	28,00	50,00	50,20	8,00	32
		1.102	1.409	1.417	.276				1.102	1.969	1.976	.315	
*28X38X5	S	28,00	37,80	38,00	5,00	32	*28X51X10	S	28,00	50,75	51,00	10,00	32
		1.102	1.488	1.496	.197				1.102	1.998	2.008	.394	
*28X38X8	S	28,00	37,80	38,00	8,00	32	*28X52X6	S	28,00	51,75	52,00	6,00	32
		1.102	1.488	1.496	.315				1.102	2.037	2.047	.236	
28X38X7	S	28,00	38,00	38,23	7,00	32	*28X52X8	S	28,00	51,75	52,00	8,00	32
		1.102	1.496	1.505	.276				1.102	2.037	2.047	.315	
*28X40X9	S	28,00	39,80	40,00	9,00	32	*28X52X10	S	28,00	51,75	52,00	10,00	32
		1.102	1.567	1.575	.354				1.102	2.037	2.047	.394	
*28X40X10	S	28,00	39,80	40,00	10,00	32	28X52X7	S	28,00	52,00	52,23	7,00	32
		1.102	1.567	1.575	.394				1.102	2.047	2.056	.276	
28X40X7	S	28,00	40,00	40,26	7,00	32	*28X52X7V	V	28,00	52,00	52,20	7,00	32
		1.102	1.575	1.585	.276				1.102	2.047	2.055	.276	
*28X40X7V	V	28,00	40,00	40,20	7,00	35	*28X56X6	S	28,00	55,75	56,00	6,00	32
		1.102	1.575	1.583	.276				1.102	2.195	2.205	.236	
28X40X8	S	28,00	40,00	40,20	8,00	32	*28X56X7	S	28,00	55,75	56,00	7,00	32
		1.102	1.575	1.583	.315				1.102	2.195	2.205	.276	
*28X42X6	S	28,00	41,80	42,00	6,00	32	*28X58X6	S	28,00	57,75	58,00	6,00	32
		1.102	1.646	1.654	.236				1.102	2.273	2.283	.236	
*28X42X7	S	28,00	41,80	42,00	7,00	32	*28X58X10	S	28,00	57,75	58,00	10,00	32
		1.102	1.646	1.654	.276				1.102	2.273	2.283	.394	
*28X42X10	S	28,00	41,80	42,00	10,00	32	*28X62X10	S	28,00	61,75	62,00	10,00	32
		1.102	1.646	1.654	.394				1.102	2.431	2.441	.394	
28X42X8	S	28,00	42,00	42,23	8,00	35	*28X41.5X8	S	28,00	41,30	41,50	8,00	32
		1.102	1.654	1.663	.315				1.102	1.626	1.634	.315	
*28X42X10V	V	28,00	42,00	42,20	10,00	35	*28X42.5X8	S	28,00	42,30	42,50	8,00	32
		1.102	1.654	1.661	.394				1.102	1.665	1.673	.315	

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 28X41.25X6	S	28,00	41,05	41,25	6,00	32	* 30X45X6	S	30,00	44,80	45,00	6,00	32
		1.102	1.616	1.624	.236				1.181	1.764	1.772	.236	
* 28.5X39.5X9.5	S	28,50	39,30	39,50	9,50	32	* 30X45X7	S	30,00	44,80	45,00	7,00	32
		1.122	1.547	1.555	.374				1.181	1.764	1.772	.276	
* 28.6X40X8	S	28,60	39,80	40,00	8,00	32	* 30X45X10	S	30,00	44,80	45,00	10,00	32
		1.126	1.567	1.575	.315				1.181	1.764	1.772	.394	
* 29X43X8	S	29,00	42,80	43,00	8,00	32	* 30X45X13	S	30,00	44,80	45,00	13,00	32
		1.142	1.685	1.693	.315				1.181	1.764	1.772	.512	
* 29X44X7	S	29,00	43,80	44,00	7,00	32	30X45X5	S	30,00	45,00	45,22	5,00	32
		1.142	1.724	1.732	.276				1.181	1.772	1.780	.197	
* 29X45X9	S	29,00	44,80	45,00	9,00	32	30X45X8	S	30,00	45,00	45,20	8,00	32
		1.142	1.764	1.772	.354				1.181	1.772	1.780	.315	
* 29X46X10	S	29,00	45,80	46,00	10,00	32	* 30X45X8V	V	30,00	45,00	45,20	8,00	35
		1.142	1.803	1.811	.394				1.181	1.772	1.780	.315	
* 29X47X8	S	29,00	46,80	47,00	8,00	32	* 30X46X8	S	30,00	45,80	46,00	8,00	32
		1.142	1.842	1.850	.315				1.181	1.803	1.811	.315	
* 29X47X10	S	29,00	46,80	47,00	10,00	32	30X46X7	S	30,00	46,00	46,20	7,00	32
		1.142	1.842	1.850	.394				1.181	1.811	1.819	.276	
* 29X50X10	S	29,00	49,80	50,00	10,00	32	* 30X47X5	S	30,00	46,80	47,00	5,00	32
		1.142	1.961	1.969	.394				1.181	1.842	1.850	.197	
* 29X56X10	S	29,00	55,75	56,00	10,00	32	* 30X47X6	S	30,00	46,80	47,00	6,00	32
		1.142	2.195	2.205	.394				1.181	1.842	1.850	.236	
* 29X62.2X9	S	29,00	61,95	62,20	9,00	32	* 30X47X8	S	30,00	46,80	47,00	8,00	32
		1.142	2.439	2.449	.354				1.181	1.842	1.850	.315	
* 30X37X6	S	30,00	36,80	37,00	6,00	32	* 30X47X10	S	30,00	46,80	47,00	10,00	32
		1.181	1.449	1.457	.236				1.181	1.842	1.850	.394	
* 30X38X5	S	30,00	37,80	38,00	5,00	32	30X47X7	S	30,00	47,00	47,25	7,00	32
		1.181	1.488	1.496	.197				1.181	1.850	1.860	.276	
* 30X38X6	S	30,00	37,80	38,00	6,00	32	* 30X47X7V	V	30,00	47,00	47,20	7,00	32
		1.181	1.488	1.496	.236				1.181	1.850	1.858	.276	
* 30X38X7	S	30,00	37,80	38,00	7,00	32	* 30X48X7	S	30,00	47,80	48,00	7,00	32
		1.181	1.488	1.496	.276				1.181	1.882	1.890	.276	
* 30X40X5	S	30,00	39,80	40,00	5,00	32	* 30X48X10	S	30,00	47,80	48,00	10,00	32
		1.181	1.567	1.575	.197				1.181	1.882	1.890	.394	
* 30X40X8	S	30,00	39,80	40,00	8,00	32	30X48X8	S	30,00	48,00	48,28	8,00	32
		1.181	1.567	1.575	.315				1.181	1.890	1.901	.315	
* 30X40X10	S	30,00	39,80	40,00	10,00	32	* 30X49X8	S	30,00	48,80	49,00	8,00	32
		1.181	1.567	1.575	.394				1.181	1.921	1.929	.315	
* 30X40X12	S	30,00	39,80	40,00	12,00	32	* 30X50X10	S	30,00	49,80	50,00	10,00	32
		1.181	1.567	1.575	.472				1.181	1.961	1.969	.394	
30X40X7	S	30,00	40,00	40,23	7,00	32	* 30X50X11	S	30,00	49,80	50,00	11,00	32
		1.181	1.575	1.584	.276				1.181	1.961	1.969	.433	
* 30X40X7V	V	30,00	40,00	40,20	7,00	32	* 30X50X11	S	30,00	49,80	50,00	11,00	32
		1.181	1.575	1.583	.276				1.181	1.961	1.969	.433	
* 30X41X7	S	30,00	40,80	41,00	7,00	32	* 30X50X12	S	30,00	49,80	50,00	12,00	32
		1.181	1.606	1.614	.276				1.181	1.961	1.969	.472	
* 30X42X8	S	30,00	41,80	42,00	8,00	32	30X50X7	S	30,00	50,00	50,23	7,00	32
		1.181	1.646	1.654	.315				1.181	1.969	1.978	.276	
* 30X42X10	S	30,00	41,80	42,00	10,00	32	30X50X8	S	30,00	50,00	50,20	8,00	48
		1.181	1.646	1.654	.394				1.181	1.969	1.976	.315	
* 30X42X4.5	S	30,00	41,80	42,00	4,50	32	* 30X50X10V	V	30,00	50,00	50,20	10,00	35
		1.181	1.646	1.654	.177				1.181	1.969	1.976	.394	
30X42X7	S	30,00	42,00	42,20	7,00	35	* 30X51X10	S	30,00	50,75	51,00	10,00	32
		1.181	1.654	1.661	.276				1.181	1.998	2.008	.394	
* 30X42X7V	V	30,00	42,00	42,20	7,00	32	* 30X52X8	S	30,00	51,75	52,00	8,00	32
		1.181	1.654	1.661	.276				1.181	2.037	2.047	.315	
* 30X43X7	S	30,00	42,80	43,00	7,00	32	* 30X52X10	S	30,00	51,75	52,00	10,00	32
		1.181	1.685	1.693	.276				1.181	2.037	2.047	.394	
* 30X43X8	S	30,00	42,80	43,00	8,00	32	* 30X52X11	S	30,00	51,75	52,00	11,00	32
		1.181	1.685	1.693	.315				1.181	2.037	2.047	.433	
* 30X43X9	S	30,00	42,80	43,00	9,00	32	* 30X52X12	S	30,00	51,75	52,00	12,00	32
		1.181	1.685	1.693	.354				1.181	2.037	2.047	.472	
* 30X43X8.5	S	30,00	42,80	43,00	8,50	32	30X52X7	S	30,00	52,00	52,23	7,00	35
		1.181	1.685	1.693	.335				1.181	2.047	2.056	.276	
* 30X44X9	S	30,00	43,80	44,00	9,00	32	* 30X52X10V	V	30,00	52,00	52,20	10,00	32
		1.181	1.724	1.732	.354				1.181	2.047	2.055	.394	
* 30X44X10	S	30,00	43,80	44,00	10,00	32	* 30X54X9	S	30,00	53,75	54,00	9,00	32
		1.181	1.724	1.732	.394				1.181	2.116	2.126	.354	
30X44X7	S	30,00	44,00	44,28	7,00	32	* 30X55X8	S	30,00	54,75	55,00	8,00	32
		1.181	1.732	1.743	.276				1.181	2.155	2.165	.315	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*30X55X11	S	30,00	54,75	55,00	11,00	32	*30X80X10	S	30,00	79,72	80,00	10,00	32
		1.181	2.155	2.165	.433				1.181	3.139	3.150	.394	
*30X55X12	S	30,00	54,75	55,00	12,00	32	*30X44.5X7	S	30,00	44,30	44,50	7,00	32
		1.181	2.155	2.165	.472				1.181	1.744	1.752	.276	
30X55X7	S	30,00	55,00	55,20	7,00	47	*30X48.5X8	S	30,00	48,30	48,50	8,00	32
		1.181	2.165	2.173	.276				1.181	1.901	1.909	.315	
30X55X10	S	30,00	55,00	55,28	10,00	35	*30.5X52X8	S	30,50	51,75	52,00	8,00	32
		1.181	2.165	2.176	.394				1.201	2.037	2.047	.315	
*30X55X10V	V	30,00	55,00	55,20	10,00	32	31X44X8	S	31,00	44,00	44,20	8,00	32
		1.181	2.165	2.173	.394				1.220	1.732	1.740	.315	
*30X56X10	S	30,00	55,75	56,00	10,00	32	*31X47X10	S	31,00	46,80	47,00	10,00	32
		1.181	2.195	2.205	.394				1.220	1.842	1.850	.394	
*30X56X12	S	30,00	55,75	56,00	12,00	32	*31X49X7	S	31,00	48,80	49,00	7,00	32
		1.181	2.195	2.205	.472				1.220	1.921	1.929	.276	
30X56X8	S	30,00	56,00	56,20	8,00	35	*31X50X8	S	31,00	49,80	50,00	8,00	32
		1.181	2.205	2.213	.315				1.220	1.961	1.969	.315	
*30X57X10	S	30,00	56,75	57,00	10,00	32	*31X52X6	S	31,00	51,75	52,00	6,00	32
		1.181	2.234	2.244	.394				1.220	2.037	2.047	.236	
*30X58X10	S	30,00	57,75	58,00	10,00	32	*31X52X7	S	31,00	51,75	52,00	7,00	32
		1.181	2.273	2.283	.394				1.220	2.037	2.047	.276	
*30X58X8	S	30,00	58,00	58,20	8,00	32	*32X40X7	S	32,00	39,80	40,00	7,00	32
		1.181	2.283	2.291	.315				1.260	1.567	1.575	.276	
*30X60X7	S	30,00	59,75	60,00	7,00	32	*32X40X10	S	32,00	39,80	40,00	10,00	32
		1.181	2.352	2.362	.276				1.260	1.567	1.575	.394	
*30X60X10	S	30,00	59,75	60,00	10,00	32	*32X41X7	S	32,00	40,80	41,00	7,00	32
		1.181	2.352	2.362	.394				1.260	1.606	1.614	.276	
*30X60X8	S	30,00	60,00	60,20	8,00	32	*32X42X6	S	32,00	41,80	42,00	6,00	32
		1.181	2.362	2.370	.315				1.260	1.646	1.654	.236	
*30X62X5	S	30,00	61,75	62,00	5,00	32	32X42X7	S	32,00	42,00	42,20	7,00	35
		1.181	2.431	2.441	.197				1.260	1.654	1.661	.276	
*30X62X8	S	30,00	61,75	62,00	8,00	32	32X42X8	S	32,00	42,00	42,20	8,00	32
		1.181	2.431	2.441	.315				1.260	1.654	1.661	.315	
*30X62X9	S	30,00	61,75	62,00	9,00	32	32X43X7	S	32,00	43,00	43,20	7,00	32
		1.181	2.431	2.441	.354				1.260	1.693	1.701	.276	
*30X62X10	S	30,00	61,75	62,00	10,00	32	*32X44X5	S	32,00	43,80	44,00	5,00	32
		1.181	2.431	2.441	.394				1.260	1.724	1.732	.197	
*30X62X11	S	30,00	61,75	62,00	11,00	32	*32X44X6	S	32,00	43,80	44,00	6,00	32
		1.181	2.431	2.441	.433				1.260	1.724	1.732	.236	
*30X62X12	S	30,00	61,75	62,00	12,00	32	*32X44X7	S	32,00	43,80	44,00	7,00	32
		1.181	2.431	2.441	.472				1.260	1.724	1.732	.276	
30X62X7	S	30,00	62,00	62,28	7,00	32	*32X44X8	S	32,00	43,80	44,00	8,00	32
		1.181	2.441	2.452	.276				1.260	1.724	1.732	.315	
*30X62X7V	V	30,00	62,00	62,20	7,00	35	*32X44X8	S	32,00	43,80	44,00	8,00	32
		1.181	2.441	2.449	.276				1.260	1.724	1.732	.315	
*30X65X10	S	30,00	64,75	65,00	10,00	32	*32X44X9	S	32,00	43,80	44,00	9,00	32
		1.181	2.549	2.559	.394				1.260	1.724	1.732	.354	
*30X65X8	S	30,00	65,00	65,20	8,00	32	*32X44X10	S	32,00	43,80	44,00	10,00	32
		1.181	2.559	2.567	.315				1.260	1.724	1.732	.394	
*30X68X10	S	30,00	67,75	68,00	10,00	32	*32X45X6	S	32,00	44,80	45,00	6,00	32
		1.181	2.667	2.677	.394				1.260	1.764	1.772	.236	
*30X68X8	S	30,00	68,00	68,20	8,00	32	*32X45X8	S	32,00	44,80	45,00	8,00	32
		1.181	2.677	2.685	.315				1.260	1.764	1.772	.315	
*30X70X8	S	30,00	70,00	70,20	8,00	32	*32X45X10	S	32,00	44,80	45,00	10,00	32
		1.181	2.756	2.764	.315				1.260	1.764	1.772	.394	
*30X72X8	S	30,00	71,75	72,00	8,00	32	*32X45X6.5	S	32,00	44,80	45,00	6,50	32
		1.181	2.825	2.835	.315				1.260	1.764	1.772	.256	
30X72X7	S	30,00	72,00	72,20	7,00	47	32X45X7	S	32,00	45,00	45,23	7,00	32
		1.181	2.835	2.843	.276				1.260	1.772	1.781	.276	
*30X72X8V	V	30,00	72,00	72,20	8,00	32	*32X46X7	S	32,00	45,80	46,00	7,00	32
		1.181	2.835	2.843	.315				1.260	1.803	1.811	.276	
30X72X10	S	30,00	72,00	72,27	10,00	35	*32X46X8	S	32,00	45,80	46,00	8,00	32
		1.181	2.835	2.845	.394				1.260	1.803	1.811	.315	
*30X75X9	S	30,00	74,75	75,00	9,00	32	32X46X6	S	32,00	46,00	46,23	6,00	32
		1.181	2.943	2.953	.354				1.260	1.811	1.820	.236	
*30X75X10	S	30,00	74,75	75,00	10,00	32	*32X47X6	S	32,00	46,80	47,00	6,00	32
		1.181	2.943	2.953	.394				1.260	1.842	1.850	.236	
*30X77X9	S	30,00	76,72	77,00	9,00	32	*32X47X8	S	32,00	46,80	47,00	8,00	32
		1.181	3.020	3.031	.354				1.260	1.842	1.850	.315	
*30X77X10	S	30,00	76,72	77,00	10,00	32	*32X47X10	S	32,00	46,80	47,00	10,00	32
		1.181	3.020	3.031	.394				1.260	1.842	1.850	.394	

For Illustration and Material Data See Technical Section
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Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
32X47X7	S	32,00	47,00	47,23	7,00	35	* 32X65X10	S	32,00	64,75	65,00	10,00	32
		1.260	1.850	1.859	.276				1.260	2.549	2.559	.394	
* 32X47X7V	V	32,00	47,00	47,20	7,00	32	* 32X65X7.5	S	32,00	64,75	65,00	7,50	32
		1.260	1.850	1.858	.276				1.260	2.549	2.559	.295	
* 32X48X7	S	32,00	47,80	48,00	7,00	32	* 32X70X8	S	32,00	69,75	70,00	8,00	32
		1.260	1.882	1.890	.276				1.260	2.746	2.756	.315	
* 32X48X10	S	32,00	47,80	48,00	10,00	32	* 32X70X11	S	32,00	69,75	70,00	11,00	32
		1.260	1.882	1.890	.394				1.260	2.746	2.756	.433	
32X48X8	S	32,00	48,00	48,20	8,00	32	* 32X72X10	S	32,00	71,75	72,00	10,00	32
		1.260	1.890	1.898	.315				1.260	2.825	2.835	.394	
* 32X48X8V	V	32,00	48,00	48,20	8,00	35	32X72X8	S	32,00	72,00	72,20	8,00	32
		1.260	1.890	1.898	.315				1.260	2.835	2.843	.315	
* 32X50X7	S	32,00	49,80	50,00	7,00	32	* 32X44.5X8	S	32,00	44,30	44,50	8,00	32
		1.260	1.961	1.969	.276				1.260	1.744	1.752	.315	
* 32X50X10	S	32,00	49,80	50,00	10,00	32	* 32X44.5X10	S	32,00	44,30	44,50	10,00	32
		1.260	1.961	1.969	.394				1.260	1.744	1.752	.394	
32X50X8	S	32,00	50,00	50,23	8,00	35	* 33X44X7	S	33,00	43,80	44,00	7,00	32
		1.260	1.969	1.978	.315				1.299	1.724	1.732	.276	
* 32X50X10V	V	32,00	50,00	50,20	10,00	35	* 33X44X8	S	33,00	43,80	44,00	8,00	32
		1.260	1.969	1.976	.394				1.299	1.724	1.732	.315	
* 32X52X8	S	32,00	51,75	52,00	8,00	32	* 33X45X8	S	33,00	44,80	45,00	8,00	32
		1.260	2.037	2.047	.315				1.299	1.764	1.772	.315	
* 32X52X10	S	32,00	51,75	52,00	10,00	32	* 33X45X10	S	33,00	44,80	45,00	10,00	32
		1.260	2.037	2.047	.394				1.299	1.764	1.772	.394	
* 32X52X11	S	32,00	51,75	52,00	11,00	32	* 33X46X7	S	33,00	45,80	46,00	7,00	32
		1.260	2.037	2.047	.433				1.299	1.803	1.811	.276	
* 32X52X12	S	32,00	51,75	52,00	12,00	32	* 33X47X8	S	33,00	46,80	47,00	8,00	32
		1.260	2.037	2.047	.472				1.299	1.842	1.850	.315	
32X52X7	S	32,00	52,00	52,28	7,00	32	* 33X48X6	S	33,00	47,80	48,00	6,00	32
		1.260	2.047	2.058	.276				1.299	1.882	1.890	.236	
* 32X52X7V	V	32,00	52,00	52,20	7,00	35	* 33X48X8	S	33,00	47,80	48,00	8,00	32
		1.260	2.047	2.055	.276				1.299	1.882	1.890	.315	
* 32X53X7	S	32,00	52,75	53,00	7,00	32	* 33X50X6	S	33,00	49,80	50,00	6,00	32
		1.260	2.077	2.087	.276				1.299	1.961	1.969	.236	
* 32X54X8	S	32,00	53,75	54,00	8,00	32	* 33X50X7	S	33,00	49,80	50,00	7,00	32
		1.260	2.116	2.126	.315				1.299	1.961	1.969	.276	
32X54X10	S	32,00	54,00	54,23	10,00	32	* 33X50X10	S	33,00	49,80	50,00	10,00	32
		1.260	2.126	2.135	.394				1.299	1.961	1.969	.394	
* 32X55X7	S	32,00	54,75	55,00	7,00	32	33X50X12	S	33,00	50,00	50,25	12,00	32
		1.260	2.155	2.165	.276				1.299	1.969	1.978	.472	
* 32X55X8	S	32,00	54,75	55,00	8,00	32	* 33X52X5	S	33,00	51,75	52,00	5,00	32
		1.260	2.155	2.165	.315				1.299	2.037	2.047	.197	
* 32X55X10	S	32,00	54,75	55,00	10,00	32	* 33X52X10	S	33,00	51,75	52,00	10,00	32
		1.260	2.155	2.165	.394				1.299	2.037	2.047	.394	
* 32X55X11	S	32,00	54,75	55,00	11,00	32	33X52X6	S	33,00	52,00	52,25	6,00	32
		1.260	2.155	2.165	.433				1.299	2.047	2.057	.236	
* 32X55X6.5	S	32,00	54,75	55,00	6,50	32	* 33X55X10	S	33,00	54,75	55,00	10,00	32
		1.260	2.155	2.165	.256				1.299	2.155	2.165	.394	
* 32X56X8	S	32,00	55,75	56,00	8,00	32	* 33X56X10	S	33,00	55,75	56,00	10,00	32
		1.260	2.195	2.205	.315				1.299	2.195	2.205	.394	
32X56X10	S	32,00	56,00	56,28	10,00	32	* 33X56X12	S	33,00	55,75	56,00	12,00	32
		1.260	2.205	2.216	.394				1.299	2.195	2.205	.472	
* 32X58X10	S	32,00	57,75	58,00	10,00	32	* 33X62X7	S	33,00	61,75	62,00	7,00	32
		1.260	2.273	2.283	.394				1.299	2.431	2.441	.276	
* 32X58X12	S	32,00	57,75	58,00	12,00	32	* 33X72X10	S	33,00	71,75	72,00	10,00	32
		1.260	2.273	2.283	.472				1.299	2.825	2.835	.394	
32X58X8	S	32,00	58,00	58,20	8,00	32	* 33X47.3X7	S	33,00	47,10	47,30	7,00	32
		1.260	2.283	2.291	.315				1.299	1.854	1.862	.276	
32X60X8	S	32,00	60,00	60,20	8,00	32	* 34X42X5	S	34,00	41,80	42,00	5,00	32
		1.260	2.362	2.370	.315				1.339	1.646	1.654	.197	
32X60X10	S	32,00	60,00	60,20	10,00	48	* 34X44X7	S	34,00	43,80	44,00	7,00	32
		1.260	2.362	2.370	.394				1.339	1.724	1.732	.276	
* 32X62X10	S	32,00	61,75	62,00	10,00	32	* 34X44X8	S	34,00	43,80	44,00	8,00	32
		1.260	2.431	2.441	.394				1.339	1.724	1.732	.315	
* 32X62X12	S	32,00	61,75	62,00	12,00	32	34X45X8	S	34,00	45,00	45,20	8,00	32
		1.260	2.431	2.441	.472				1.339	1.772	1.780	.315	
32X62X8	S	32,00	62,00	62,20	8,00	32	* 34X46X8	S	34,00	45,80	46,00	8,00	32
		1.260	2.441	2.449	.315				1.339	1.803	1.811	.315	
* 32X65X8	S	32,00	64,75	65,00	8,00	32	* 34X47X8	S	34,00	46,80	47,00	8,00	32
		1.260	2.549	2.559	.315				1.339	1.842	1.850	.315	

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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*34X47X9	S	34,00	46,80	47,00	9,00	32	*35X47X10	S	35,00	46,80	47,00	10,00	32
		1.339	1.842	1.850	.354			1.378	1.842	1.850	.394		
*34X48X7	S	34,00	47,80	48,00	7,00	32	35X47X7	S	35,00	47,00	47,23	7,00	35
		1.339	1.882	1.890	.276			1.378	1.850	1.859	.276		
*34X48X8	S	34,00	47,80	48,00	8,00	32	*35X47X7V	V	35,00	47,00	47,20	7,00	32
		1.339	1.882	1.890	.315			1.378	1.850	1.858	.276		
*34X50X7	S	34,00	49,80	50,00	7,00	32	*35X47X7.5	S	35,00	46,80	47,00	7,50	32
		1.339	1.961	1.969	.276			1.378	1.842	1.850	.295		
*34X50X8	S	34,00	49,80	50,00	8,00	32	*35X48X7	S	35,00	47,80	48,00	7,00	32
		1.339	1.961	1.969	.315			1.378	1.882	1.890	.276		
*34X50X10	S	34,00	49,80	50,00	10,00	32	*35X48X9	S	35,00	47,80	48,00	9,00	32
		1.339	1.961	1.969	.394			1.378	1.882	1.890	.354		
*34X50X12	S	34,00	49,80	50,00	12,00	32	*35X48X10	S	35,00	47,80	48,00	10,00	32
		1.339	1.961	1.969	.472			1.378	1.882	1.890	.394		
*34X52X10	S	34,00	51,75	52,00	10,00	32	35X48X8	S	35,00	48,00	48,20	8,00	32
		1.339	2.037	2.047	.394			1.378	1.890	1.898	.315		
*34X52X11	S	34,00	51,75	52,00	11,00	32	*35X49X6	S	35,00	48,80	49,00	6,00	32
		1.339	2.037	2.047	.433			1.378	1.921	1.929	.236		
34X52X8	S	34,00	52,00	52,28	8,00	32	*35X49X8	S	35,00	48,80	49,00	8,00	32
		1.339	2.047	2.058	.315			1.378	1.921	1.929	.315		
*34X53X8	S	34,00	52,75	53,00	8,00	32	*35X50X9	S	35,00	49,80	50,00	9,00	32
		1.339	2.077	2.087	.315			1.378	1.961	1.969	.354		
*34X54X8	S	34,00	53,75	54,00	8,00	32	*35X50X10	S	35,00	49,80	50,00	10,00	32
		1.339	2.116	2.126	.315			1.378	1.961	1.969	.394		
34X54X9	S	34,00	54,00	54,20	9,00	35	*35X50X11	S	35,00	49,80	50,00	11,00	32
		1.339	2.126	2.134	.354			1.378	1.961	1.969	.433		
*34X55X11	S	34,00	54,75	55,00	11,00	32	35X50X7	S	35,00	50,00	50,20	7,00	32
		1.339	2.155	2.165	.433			1.378	1.969	1.976	.276		
34X55X9	S	34,00	55,00	55,20	9,00	32	35X50X8	S	35,00	50,00	50,24	8,00	35
		1.339	2.165	2.173	.354			1.378	1.969	1.978	.315		
*34X56X8	S	34,00	56,00	56,20	8,00	32	*35X50X8V	V	35,00	50,00	50,20	8,00	32
		1.339	2.205	2.213	.315			1.378	1.969	1.976	.315		
*34X58X10	S	34,00	57,75	58,00	10,00	32	*35X51X7	S	35,00	50,75	51,00	7,00	32
		1.339	2.273	2.283	.394			1.378	1.998	2.008	.276		
*34X58X8	S	34,00	58,00	58,20	8,00	32	*35X51X8	S	35,00	50,75	51,00	8,00	32
		1.339	2.283	2.291	.315			1.378	1.998	2.008	.315		
*34X60X8	S	34,00	60,00	60,20	8,00	32	*35X51X10	S	35,00	50,75	51,00	10,00	32
		1.339	2.362	2.370	.315			1.378	1.998	2.008	.394		
*34X62X7	S	34,00	61,75	62,00	7,00	32	*35X52X9	S	35,00	51,75	52,00	9,00	32
		1.339	2.431	2.441	.276			1.378	2.037	2.047	.354		
*34X62X14	S	34,00	61,75	62,00	14,00	32	*35X52X10	S	35,00	51,75	52,00	10,00	32
		1.339	2.431	2.441	.551			1.378	2.037	2.047	.394		
34X62X10	S	34,00	62,00	62,18	10,00	35	*35X52X11	S	35,00	51,75	52,00	11,00	32
		1.339	2.441	2.448	.394			1.378	2.037	2.047	.433		
*34X70X10	S	34,00	69,75	70,00	10,00	32	*35X52X12	S	35,00	51,75	52,00	12,00	32
		1.339	2.746	2.756	.394			1.378	2.037	2.047	.472		
*34X72X10	S	34,00	71,75	72,00	10,00	32	35X52X7	S	35,00	52,00	52,20	7,00	32
		1.339	2.825	2.835	.394			1.378	2.047	2.055	.276		
*34X72X12	S	34,00	71,75	72,00	12,00	32	35X52X8	S	35,00	52,00	52,13	8,00	33
		1.339	2.825	2.835	.472			1.378	2.047	2.052	.315		
*35X42X6	S	35,00	41,80	42,00	6,00	32	*35X54X10	S	35,00	53,75	54,00	10,00	32
		1.378	1.646	1.654	.236			1.378	2.116	2.126	.394		
*35X42X8	S	35,00	41,80	42,00	8,00	32	35X54X8	S	35,00	54,00	54,20	8,00	35
		1.378	1.646	1.654	.315			1.378	2.126	2.134	.315		
*35X44X7	S	35,00	43,80	44,00	7,00	32	*35X54X10V	V	35,00	54,00	54,20	10,00	35
		1.378	1.724	1.732	.276			1.378	2.126	2.134	.394		
*35X45X6	S	35,00	44,80	45,00	6,00	32	*35X55X7	S	35,00	54,75	55,00	7,00	32
		1.378	1.764	1.772	.236			1.378	2.155	2.165	.276		
*35X45X8	S	35,00	44,80	45,00	8,00	32	*35X55X9	S	35,00	54,75	55,00	9,00	32
		1.378	1.764	1.772	.315			1.378	2.155	2.165	.354		
*35X45X10	S	35,00	44,80	45,00	10,00	32	*35X55X10	S	35,00	54,75	55,00	10,00	32
		1.378	1.764	1.772	.394			1.378	2.155	2.165	.394		
*35X45X12	S	35,00	44,80	45,00	12,00	32	*35X55X12	S	35,00	54,75	55,00	12,00	32
		1.378	1.764	1.772	.472			1.378	2.155	2.165	.472		
35X45X7	S	35,00	45,00	45,15	7,00	35	35X55X8	S	35,00	55,00	55,10	8,00	47
		1.378	1.772	1.778	.276			1.378	2.165	2.174	.315		
*35X46X10	S	35,00	45,80	46,00	10,00	32	*35X55X10V	V	35,00	55,00	55,20	10,00	32
		1.378	1.803	1.811	.394			1.378	2.165	2.173	.394		
*35X47X8	S	35,00	46,80	47,00	8,00	32	35X55X11	S	35,00	55,00	55,23	11,00	32
		1.378	1.842	1.850	.315			1.378	2.165	2.174	.433		

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Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*35X56X12	S	35,00	55,75	56,00	12,00	32	*35X69X8	S	35,00	69,00	69,20	8,00	32
		1.378	2.195	2.205	.472				1.378	2.717	2.724	.315	
*35X56X5.8	S	35,00	55,75	56,00	5,80	32	*35X70X10	S	35,00	69,75	70,00	10,00	32
		1.378	2.195	2.205	.228				1.378	2.746	2.756	.394	
35X56X8	S	35,00	56,00	56,20	8,00	35	35X70X8	S	35,00	70,00	70,20	8,00	32
		1.378	2.205	2.213	.315				1.378	2.756	2.764	.315	
35X56X10	S	35,00	56,00	56,27	10,00	32	*35X72X7	S	35,00	71,75	72,00	7,00	32
		1.378	2.205	2.215	.394				1.378	2.825	2.835	.276	
*35X56X10V	V	35,00	56,00	56,20	10,00	35	*35X72X11	S	35,00	71,75	72,00	11,00	32
		1.378	2.205	2.213	.394				1.378	2.825	2.835	.433	
*35X57X9	S	35,00	56,75	57,00	9,00	32	*35X72X12	S	35,00	71,75	72,00	12,00	32
		1.378	2.234	2.244	.354				1.378	2.825	2.835	.472	
*35X57X10	S	35,00	56,75	57,00	10,00	32	35X72X8	S	35,00	72,00	72,20	8,00	32
		1.378	2.234	2.244	.394				1.378	2.835	2.843	.315	
*35X58X9	S	35,00	57,75	58,00	9,00	32	35X72X10	S	35,00	72,00	72,28	10,00	35
		1.378	2.273	2.283	.354				1.378	2.835	2.846	.394	
*35X58X12	S	35,00	57,75	58,00	12,00	32	*35X72X10V	V	35,00	72,00	72,20	10,00	35
		1.378	2.273	2.283	.472				1.378	2.835	2.843	.394	
*35X58X13	S	35,00	57,75	58,00	13,00	32	*35X75X8	S	35,00	74,75	75,00	8,00	32
		1.378	2.273	2.283	.512				1.378	2.943	2.953	.315	
*35X58X18	S	35,00	57,75	58,00	18,00	32	*35X78X8	S	35,00	78,00	78,20	8,00	32
		1.378	2.273	2.283	.709				1.378	3.071	3.079	.315	
35X58X10	S	35,00	58,00	58,28	10,00	35	*35X80X10	S	35,00	79,72	80,00	10,00	32
		1.378	2.283	2.294	.394				1.378	3.139	3.150	.394	
*35X59X12	S	35,00	58,75	59,00	12,00	32	*35X80X12	S	35,00	79,72	80,00	12,00	32
		1.378	2.313	2.323	.472				1.378	3.139	3.150	.472	
*35X60X8	S	35,00	59,75	60,00	8,00	32	*35X80X13	S	35,00	79,72	80,00	13,00	32
		1.378	2.352	2.362	.315				1.378	3.139	3.150	.512	
*35X60X11	S	35,00	59,75	60,00	11,00	32	35X80X8	S	35,00	80,00	80,20	8,00	32
		1.378	2.352	2.362	.433				1.378	3.150	3.150	.315	
*35X60X12	S	35,00	59,75	60,00	12,00	32	*35X82X7	S	35,00	81,72	82,00	7,00	32
		1.378	2.352	2.362	.472				1.378	3.217	3.228	.276	
35X60X10	S	35,00	60,00	60,23	10,00	35	*35X46.5X8	S	35,00	46,30	46,50	8,00	32
		1.378	2.362	2.371	.394				1.378	1.823	1.831	.315	
*35X62X6	S	35,00	61,75	62,00	6,00	32	*35X49.5X10	S	35,00	49,30	49,50	10,00	32
		1.378	2.431	2.441	.236				1.378	1.941	1.949	.394	
*35X62X8	S	35,00	61,75	62,00	8,00	32	*36X44X5	S	36,00	43,80	44,00	5,00	32
		1.378	2.431	2.441	.315				1.417	1.724	1.732	.197	
*35X62X8	S	35,00	61,75	62,00	8,00	32	*36X46X6	S	36,00	45,80	46,00	6,00	32
		1.378	2.431	2.441	.315				1.417	1.803	1.811	.236	
*35X62X11	S	35,00	61,75	62,00	11,00	32	*36X46X9	S	36,00	45,80	46,00	9,00	32
		1.378	2.431	2.441	.433				1.417	1.803	1.811	.354	
*35X62X12	S	35,00	61,75	62,00	12,00	32	*36X47X8	S	36,00	46,80	47,00	8,00	32
		1.378	2.431	2.441	.472				1.417	1.842	1.850	.315	
35X62X7	S	35,00	62,00	62,28	7,00	32	36X47X7	S	36,00	47,00	47,20	7,00	35
		1.378	2.441	2.452	.276				1.417	1.850	1.858	.276	
*35X62X7V	V	35,00	62,00	62,20	7,00	35	*36X48X7	S	36,00	47,80	48,00	7,00	32
		1.378	2.441	2.449	.276				1.417	1.882	1.890	.276	
*35X62X9.5	S	35,00	61,75	62,00	9,50	32	*36X48X10	S	36,00	47,80	48,00	10,00	32
		1.378	2.431	2.441	.374				1.417	1.882	1.890	.394	
35X62X10	S	35,00	62,00	62,20	10,00	35	*36X49X7	S	36,00	48,80	49,00	7,00	32
		1.378	2.441	2.449	.394				1.417	1.921	1.929	.276	
*35X64X12	S	35,00	63,75	64,00	12,00	32	*36X50X10	S	36,00	49,80	50,00	10,00	32
		1.378	2.510	2.520	.472				1.417	1.961	1.969	.394	
*35X64X13	S	35,00	63,75	64,00	13,00	32	36X50X7	S	36,00	50,00	50,08	7,00	47
		1.378	2.510	2.520	.512				1.417	1.969	1.972	.276	
35X64X8	N	35,00	64,00	64,13	8,00	47	*36X51X7	S	36,00	50,75	51,00	7,00	32
		1.378	2.520	2.525	.315				1.417	1.998	2.008	.276	
*35X65X12	S	35,00	64,75	65,00	12,00	32	*36X52X8	S	36,00	51,75	52,00	8,00	32
		1.378	2.549	2.559	.472				1.417	2.037	2.047	.315	
35X65X8	S	35,00	65,00	65,20	8,00	32	*36X52X10	S	36,00	51,75	52,00	10,00	32
		1.378	2.559	2.567	.315				1.417	2.037	2.047	.394	
35X65X10	S	35,00	65,00	65,20	10,00	32	36X52X7	S	36,00	52,00	52,20	7,00	35
		1.378	2.559	2.567	.394				1.417	2.047	2.055	.276	
*35X68X6	S	35,00	67,75	68,00	6,00	32	*36X52X7V	V	36,00	52,00	52,20	7,00	32
		1.378	2.667	2.677	.236				1.417	2.047	2.055	.276	
*35X68X10	S	35,00	68,00	68,23	10,00	35	*36X54X7	S	36,00	53,75	54,00	7,00	32
		1.378	2.677	2.686	.394				1.417	2.116	2.126	.276	
*35X68X10V	V	35,00	68,00	68,20	10,00	35	*36X54X10	S	36,00	53,75	54,00	10,00	32
		1.378	2.677	2.685	.394				1.417	2.116	2.126	.394	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
36X54X7.5	S	36.00	54.00	54.20	7.50	35	*38X50X7V	V	38.00	50.00	50.20	7.00	35
		1.417	2.126	2.134	.295				1.496	1.969	1.976	.276	
36X54X8	S	36.00	54.00	54.20	8.00	35	*38X51X7	S	38.00	50.75	51.00	7.00	32
		1.417	2.126	2.134	.315				1.496	1.998	2.008	.276	
*36X54X8V	V	36.00	54.00	54.20	7.50	35	*38X52X6	S	38.00	51.75	52.00	6.00	32
		1.417	2.126	2.134	.295				1.496	2.037	2.047	.236	
*36X55X10	S	36.00	54.75	55.00	10.00	32	*38X52X8	S	38.00	51.75	52.00	8.00	32
		1.417	2.155	2.165	.394				1.496	2.037	2.047	.315	
*36X55X12	S	36.00	54.75	55.00	12.00	32	*38X52X9	S	38.00	51.75	52.00	9.00	32
		1.417	2.155	2.165	.472				1.496	2.037	2.047	.354	
*36X56X12	S	36.00	55.75	56.00	12.00	32	*38X52X10	S	38.00	51.75	52.00	10.00	32
		1.417	2.195	2.205	.472				1.496	2.037	2.047	.394	
36X56X10	S	36.00	56.00	56.25	10.00	35	38X52X7	S	38.00	52.00	52.20	7.00	32
		1.417	2.205	2.215	.394				1.496	2.047	2.055	.276	
36X58X8	S	36.00	58.00	58.25	8.00	47	*38X52X7V	V	38.00	52.00	52.20	7.00	35
		1.417	2.283	2.293	.315				1.496	2.047	2.055	.276	
36X58X12	S	36.00	58.00	58.23	12.00	35	38X52X8.5	S	38.00	52.00	52.25	8.50	32
		1.417	2.283	2.293	.472				1.496	2.047	2.057	.335	
*36X60X6	S	36.00	59.75	60.00	6.00	32	38X52X8.5	S	38.00	52.00	52.25	8.50	32
		1.417	2.352	2.362	.236				1.496	2.047	2.057	.335	
36X60X7	S	36.00	60.00	60.20	7.00	32	38X53X8	S	38.00	53.00	53.20	8.00	32
		1.417	2.362	2.370	.276				1.496	2.087	2.094	.315	
*36X62X10	S	36.00	61.75	62.00	10.00	32	38X54X7	S	38.00	54.00	54.18	7.00	48
		1.417	2.431	2.441	.394				1.496	2.126	2.133	.276	
36X62X7	S	36.00	62.00	62.28	7.00	32	38X54X10	S	38.00	54.00	54.18	10.00	32
		1.417	2.441	2.452	.276				1.496	2.126	2.133	.394	
36X68X10	S	36.00	68.00	68.28	10.00	35	*38X54X10V	V	38.00	54.00	54.20	10.00	35
		1.417	2.677	2.688	.394				1.496	2.126	2.134	.394	
*36X70X8	S	36.00	70.00	70.20	8.00	32	*38X55X6	S	38.00	54.75	55.00	6.00	32
		1.417	2.756	2.764	.315				1.496	2.155	2.165	.236	
*36X72X8	S	36.00	72.00	72.20	8.00	32	*38X55X8	S	38.00	54.75	55.00	8.00	32
		1.417	2.835	2.843	.315				1.496	2.155	2.165	.315	
*36X63.5X13	S	36.00	63.25	63.50	13.00	32	*38X55X9	S	38.00	54.75	55.00	9.00	32
		1.417	2.490	2.500	.512				1.496	2.155	2.165	.354	
*36.5X62X7	S	36.50	61.75	62.00	7.00	32	*38X55X10	S	38.00	54.75	55.00	10.00	32
		1.437	2.431	2.441	.276				1.496	2.155	2.165	.394	
*37X47X10	S	37.00	46.80	47.00	10.00	32	38X55X7	N	38.00	55.00	55.23	7.00	32
		1.457	1.842	1.850	.394				1.496	2.165	2.174	.276	
37X52X8	S	37.00	52.00	52.28	8.00	35	*38X56X7	S	38.00	55.75	56.00	7.00	32
		1.457	2.047	2.058	.315				1.496	2.195	2.205	.276	
*37X53X7	S	37.00	52.75	53.00	7.00	32	*38X56X12	S	38.00	55.75	56.00	12.00	32
		1.457	2.077	2.087	.276				1.496	2.195	2.205	.472	
*37X55X8	S	37.00	54.75	55.00	8.00	32	38X56X10	S	38.00	56.00	56.28	10.00	32
		1.457	2.155	2.165	.315				1.496	2.205	2.216	.394	
*37X57X10	S	37.00	56.75	57.00	10.00	32	*38X56X10V	V	38.00	56.00	56.20	10.00	35
		1.457	2.234	2.244	.394				1.496	2.205	2.213	.394	
*37X58X7	S	37.00	57.75	58.00	7.00	32	*38X57X10	S	38.00	56.75	57.00	10.00	32
		1.457	2.273	2.283	.276				1.496	2.234	2.244	.394	
*37X58X10	S	37.00	57.75	58.00	10.00	32	*38X58X7	S	38.00	57.75	58.00	7.00	32
		1.457	2.273	2.283	.394				1.496	2.273	2.283	.276	
*37X58X13	S	37.00	57.75	58.00	13.00	32	*38X58X10	S	38.00	57.75	58.00	10.00	32
		1.457	2.273	2.283	.512				1.496	2.273	2.283	.394	
*37X64X13	S	37.00	63.75	64.00	13.00	32	*38X58X11	S	38.00	57.75	58.00	11.00	32
		1.457	2.510	2.520	.512				1.496	2.273	2.283	.433	
*38X47X7	S	38.00	46.80	47.00	7.00	32	38X58X8	S	38.00	58.00	58.11	8.00	47
		1.496	1.842	1.850	.276				1.496	2.283	2.288	.315	
*38X47X8	S	38.00	47.00	47.25	8.00	25	*38X60X9	S	38.00	59.75	60.00	9.00	32
		1.496	1.850	1.860	.315				1.496	2.352	2.362	.354	
*38X48X6	S	38.00	47.80	48.00	6.00	32	38X60X8	S	38.00	60.00	60.20	8.00	32
		1.496	1.882	1.890	.236				1.496	2.362	2.370	.315	
*38X48X7	S	38.00	47.80	48.00	7.00	32	38X60X10	S	38.00	60.00	60.35	10.00	32
		1.496	1.882	1.890	.276				1.496	2.362	2.376	.394	
*38X48X10	S	38.00	47.80	48.00	10.00	32	*38X60X10V	V	38.00	60.00	60.20	10.00	35
		1.496	1.882	1.890	.394				1.496	2.362	2.370	.394	
*38X50X8	S	38.00	49.80	50.00	8.00	32	*38X62X9	S	38.00	61.75	62.00	9.00	32
		1.496	1.961	1.969	.315				1.496	2.431	2.441	.354	
*38X50X10	S	38.00	49.80	50.00	10.00	32	*38X62X10	S	38.00	61.75	62.00	10.00	32
		1.496	1.961	1.969	.394				1.496	2.431	2.441	.394	
38X50X7	S	38.00	50.00	50.25	7.00	35	*38X62X12	S	38.00	61.75	62.00	12.00	32
		1.496	1.969	1.978	.276				1.496	2.431	2.441	.472	

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
38X62X7	S	38,00	62,00	62,28	7,00	32	*40X52X10	S	40,00	51,75	52,00	10,00	32
		1.496	2.441	2.452	.276				1.575	2.037	2.047	.394	
*38X62X7V	V	38,00	62,00	62,20	7,00	32	40X52X7	S	40,00	52,00	52,25	7,00	32
		1.496	2.441	2.449	.276				1.575	2.047	2.057	.276	
*38X65X10	S	38,00	64,75	65,00	10,00	32	*40X52X7V	V	40,00	52,00	52,20	7,00	32
		1.496	2.549	2.559	.394				1.575	2.047	2.055	.276	
*38X65X11	S	38,00	64,75	65,00	11,00	32	*40X53X8	S	40,00	52,75	53,00	8,00	32
		1.496	2.549	2.559	.433				1.575	2.077	2.087	.315	
*38X65X13	S	38,00	64,75	65,00	13,00	32	*40X54X7	S	40,00	53,75	54,00	7,00	32
		1.496	2.549	2.559	.512				1.575	2.116	2.126	.276	
38X65X8	S	38,00	65,00	65,20	8,00	32	*40X54X8	S	40,00	53,75	54,00	8,00	32
		1.496	2.559	2.567	.315				1.575	2.116	2.126	.315	
38X68X8	S	38,00	68,00	68,20	8,00	32	*40X54X10	S	40,00	53,75	54,00	10,00	32
		1.496	2.677	2.685	.315				1.575	2.116	2.126	.394	
38X68X10	S	38,00	68,00	68,20	10,00	32	40X54X6	S	40,00	54,00	54,20	5,50	47
		1.496	2.677	2.685	.394				1.575	2.126	2.134	.217	
38X70X10	S	38,00	70,00	70,20	10,00	35	*40X55X7	S	40,00	54,75	55,00	7,00	32
		1.496	2.756	2.764	.394				1.575	2.155	2.165	.276	
*38X72X12	S	38,00	71,75	72,00	12,00	32	*40X55X10	S	40,00	54,75	55,00	10,00	32
		1.496	2.825	2.835	.472				1.575	2.155	2.165	.394	
38X72X10	S	38,00	72,00	72,20	10,00	35	40X55X6	S	40,00	55,00	55,20	6,50	35
		1.496	2.835	2.843	.394				1.575	2.165	2.173	.256	
38X74X8	S	38,00	74,00	74,20	8,00	32	40X55X8	S	40,00	55,00	55,28	8,00	32
		1.496	2.913	2.921	.315				1.575	2.165	2.176	.315	
38X74X11	N	38,00	74,00	74,20	11,00	32	*40X55X8V	V	40,00	55,00	55,20	8,00	32
		1.496	2.913	2.921	.433				1.575	2.165	2.173	.315	
*38X75X8	S	38,00	75,00	75,20	8,00	32	*40X56X8	S	40,00	55,75	56,00	8,00	32
		1.496	2.953	2.961	.315				1.575	2.195	2.205	.315	
*38X78X8	S	38,00	78,00	78,20	8,00	32	*40X56X8	S	40,00	55,75	56,00	8,00	32
		1.496	3.071	3.079	.315				1.575	2.195	2.205	.315	
*38X80X10	S	38,00	79,72	80,00	10,00	32	*40X56X8	S	40,00	55,75	56,00	8,00	32
		1.496	3.139	3.150	.394				1.575	2.195	2.205	.315	
*38X80X8	S	38,00	80,00	80,20	8,00	32	40X56X7	S	40,00	56,00	56,20	7,00	32
		1.496	3.150	3.157	.315				1.575	2.205	2.213	.276	
*38X90X8	S	38,00	90,00	90,20	8,00	32	*40X56X8V	V	40,00	56,00	56,20	8,00	35
		1.496	3.543	3.551	.315				1.575	2.205	2.213	.315	
*38X52.6X6	S	38,00	52,35	52,60	6,00	32	40X56X10	S	40,00	56,00	56,20	10,00	35
		1.496	2.061	2.071	.236				1.575	2.205	2.213	.394	
*38X60.5X12	S	38,00	60,25	60,50	12,00	32	*40X57X7	S	40,00	56,75	57,00	7,00	32
		1.496	2.372	2.382	.472				1.575	2.234	2.244	.276	
*38X63.5X10	S	38,00	63,25	63,50	10,00	32	40X57X10	S	40,00	57,00	57,20	10,00	32
		1.496	2.490	2.500	.394				1.575	2.244	2.252	.394	
*39X51X7.5	S	39,00	50,75	51,00	7,50	32	*40X58X6.5	S	40,00	57,75	58,00	6,50	32
		1.535	1.998	2.008	.295				1.575	2.273	2.283	.256	
*39X55X9	S	39,00	54,75	55,00	9,00	32	40X58X8	S	40,00	58,00	58,20	8,00	32
		1.535	2.155	2.165	.354				1.575	2.283	2.291	.315	
*39X56X7	S	39,00	55,75	56,00	7,00	32	40X58X10	S	40,00	58,00	58,28	10,00	32
		1.535	2.195	2.205	.276				1.575	2.283	2.294	.394	
*39X59X8	S	39,00	58,75	59,00	8,00	32	*40X58X10V	V	40,00	58,00	58,20	10,00	35
		1.535	2.313	2.323	.315				1.575	2.283	2.291	.394	
*39X65X8	S	39,00	64,75	65,00	8,00	32	*40X59X10	S	40,00	58,75	59,00	10,00	32
		1.535	2.549	2.559	.315				1.575	2.313	2.323	.394	
*39.6X52X11	S	39,60	51,75	52,00	11,00	32	*40X60X7	S	40,00	59,75	60,00	7,00	32
		1.559	2.037	2.047	.433				1.575	2.352	2.362	.276	
*40X50X5	S	40,00	49,80	50,00	5,00	32	*40X60X12	S	40,00	59,75	60,00	12,00	32
		1.575	1.961	1.969	.197				1.575	2.352	2.362	.472	
*40X50X7	S	40,00	49,80	50,00	7,00	32	40X60X10	S	40,00	60,00	60,20	10,00	32
		1.575	1.961	1.969	.276				1.575	2.362	2.370	.394	
*40X50X10	S	40,00	49,80	50,00	10,00	32	*40X60X10V	V	40,00	60,00	60,20	10,00	35
		1.575	1.961	1.969	.394				1.575	2.362	2.370	.394	
*40X50X6.5	S	40,00	49,80	50,00	6,50	32	*40X62X9	S	40,00	61,75	62,00	9,00	32
		1.575	1.961	1.969	.256				1.575	2.431	2.441	.354	
40X50X8	S	40,00	50,00	50,20	8,00	35	*40X62X10	S	40,00	61,75	62,00	10,00	32
		1.575	1.969	1.976	.315				1.575	2.431	2.441	.394	
*40X52X6	S	40,00	51,75	52,00	6,00	32	*40X62X11	S	40,00	61,75	62,00	11,00	32
		1.575	2.037	2.047	.236				1.575	2.431	2.441	.433	
*40X52X8	S	40,00	51,75	52,00	8,00	32	40X62X7	S	40,00	62,00	62,20	7,00	35
		1.575	2.037	2.047	.315				1.575	2.441	2.449	.276	
*40X52X9	S	40,00	51,75	52,00	9,00	32	*40X62X7V	V	40,00	62,00	62,20	7,00	32
		1.575	2.037	2.047	.354				1.575	2.441	2.449	.276	

For Illustration and Material Data See Technical Section
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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
40X62X8	S	40,00	62,00	62,25	8,00	32	*40X90X12	S	40,00	89,72	90,00	12,00	32
		1.575	2.441	2.451	.315				1.575	3.532	3.543	.472	
*40X62X11.5	S	40,00	61,75	62,00	11,50	32	40X90X8	S	40,00	90,00	90,20	8,00	35
		1.575	2.431	2.441	.453				1.575	3.543	3.551	.315	
40X62X12	S	40,00	62,00	62,25	11,50	35	*40X62.5X11	S	40,00	62,25	62,50	11,00	32
		1.575	2.441	2.451	.453				1.575	2.451	2.461	.433	
*40X63X7	S	40,00	62,75	63,00	7,00	32	*40X63.5X10	S	40,00	63,25	63,50	10,00	32
		1.575	2.470	2.480	.276				1.575	2.490	2.500	.394	
*40X64X10	S	40,00	63,75	64,00	10,00	32	*40X80.5X10	S	40,00	80,22	80,50	10,00	32
		1.575	2.510	2.520	.394				1.575	3.158	3.169	.394	
*40X64X12	S	40,00	63,75	64,00	12,00	32	*40X57.15X10	S	40,00	56,90	57,15	10,00	32
		1.575	2.510	2.520	.472				1.575	2.240	2.250	.394	
*40X65X8	S	40,00	64,75	65,00	8,00	32	*41X51X5	S	41,00	50,75	51,00	5,00	32
		1.575	2.549	2.559	.315				1.614	1.998	2.008	.197	
*40X65X12	S	40,00	64,75	65,00	12,00	32	*41X53X7	S	41,00	52,75	53,00	7,00	32
		1.575	2.549	2.559	.472				1.614	2.077	2.087	.276	
40X65X10	S	40,00	65,00	65,28	10,00	32	*41X54X7	S	41,00	53,75	54,00	7,00	32
		1.575	2.559	2.570	.394				1.614	2.116	2.126	.276	
*40X68X7	S	40,00	67,75	68,00	7,00	32	41X55X7	S	41,00	55,00	55,29	7,00	32
		1.575	2.667	2.677	.276				1.614	2.165	2.177	.276	
*40X68X10	S	40,00	67,75	68,00	10,00	32	41X56X7	S	41,00	56,00	56,25	7,00	32
		1.575	2.667	2.677	.394				1.614	2.205	2.215	.276	
40X68X8	S	40,00	68,00	68,80	8,00	35	*41X62X8	S	41,00	62,00	62,20	8,00	32
		1.575	2.677	2.709	.315				1.614	2.441	2.449	.315	
40X68X12	S	40,00	68,00	68,25	12,00	35	*41X64X10	S	41,00	63,75	64,00	10,00	32
		1.575	2.677	2.687	.472				1.614	2.510	2.520	.394	
*40X70X10	S	40,00	69,75	70,00	10,00	32	*41X55.7X9	S	41,00	55,45	55,70	9,00	32
		1.575	2.746	2.756	.394				1.614	2.183	2.193	.354	
*40X70X12	S	40,00	69,75	70,00	12,00	32	*41.7X55X7	S	41,70	54,75	55,00	7,00	32
		1.575	2.746	2.756	.472				1.642	2.155	2.165	.276	
40X70X8	S	40,00	70,00	70,20	8,00	32	*41.7X55X10	S	41,70	54,75	55,00	10,00	32
		1.575	2.756	2.764	.315				1.642	2.155	2.165	.394	
*40X72X10	S	40,00	71,75	72,00	10,00	32	*42X50X6	S	42,00	49,80	50,00	6,00	32
		1.575	2.825	2.835	.394				1.654	1.961	1.969	.236	
*40X72X12	S	40,00	71,75	72,00	12,00	32	*42X50X7	S	42,00	49,80	50,00	7,00	32
		1.575	2.825	2.835	.472				1.654	1.961	1.969	.276	
40X72X7	S	40,00	72,00	72,35	7,00	35	*42X52X4	S	42,00	51,75	52,00	4,00	32
		1.575	2.835	2.848	.276				1.654	2.037	2.047	.157	
*40X74X10	S	40,00	73,75	74,00	10,00	32	*42X52X6	S	42,00	51,75	52,00	6,00	32
		1.575	2.903	2.913	.394				1.654	2.037	2.047	.236	
*40X74X8	S	40,00	74,00	74,20	8,00	32	*42X52X7	S	42,00	51,75	52,00	7,00	32
		1.575	2.913	2.921	.315				1.654	2.037	2.047	.276	
*40X75X10	S	40,00	74,75	75,00	10,00	32	*42X54X7	S	42,00	53,75	54,00	7,00	32
		1.575	2.943	2.953	.394				1.654	2.116	2.126	.276	
*40X75X13	S	40,00	74,75	75,00	13,00	32	*42X55X9	S	42,00	54,75	55,00	9,00	32
		1.575	2.943	2.953	.512				1.654	2.155	2.165	.354	
40X75X8	S	40,00	75,00	75,20	8,00	32	42X55X7	S	42,00	55,00	55,20	7,00	32
		1.575	2.953	2.961	.315				1.654	2.165	2.173	.276	
*40X76X8	S	40,00	75,75	76,00	8,00	32	42X55X8	S	42,00	55,00	55,28	8,00	35
		1.575	2.982	2.992	.315				1.654	2.165	2.176	.315	
40X78X8	S	40,00	78,00	78,80	8,00	32	*42X55X8V	V	42,00	55,00	55,20	8,00	35
		1.575	3.071	3.102	.315				1.654	2.165	2.173	.315	
40X78X10	S	40,00	78,00	78,20	10,00	35	*42X56X6	S	42,00	55,75	56,00	6,00	32
		1.575	3.071	3.079	.394				1.654	2.195	2.205	.236	
*40X80X7	S	40,00	79,72	80,00	7,00	32	*42X56X10	S	42,00	55,75	56,00	10,00	32
		1.575	3.139	3.150	.276				1.654	2.195	2.205	.394	
*40X80X12	S	40,00	79,72	80,00	12,00	32	42X56X7	S	42,00	56,00	56,13	7,00	32
		1.575	3.139	3.150	.472				1.654	2.205	2.210	.276	
40X80X10	S	40,00	80,00	80,28	10,00	35	*42X56X7V	V	42,00	56,00	56,20	7,00	35
		1.575	3.150	3.161	.394				1.654	2.205	2.213	.276	
*40X80X10V	V	40,00	80,00	80,20	10,00	32	*42X58X8	S	42,00	57,75	58,00	8,00	32
		1.575	3.150	3.157	.394				1.654	2.273	2.283	.315	
*40X82X8	S	40,00	82,00	82,20	8,00	32	*42X58X10	S	42,00	57,75	58,00	10,00	32
		1.575	3.228	3.236	.315				1.654	2.273	2.283	.394	
*40X85X8	S	40,00	85,00	85,20	8,00	32	42X58X7	S	42,00	58,00	58,10	7,00	48
		1.575	3.346	3.354	.315				1.654	2.283	2.287	.276	
*40X88X8	S	40,00	88,00	88,20	8,00	32	*42X60X8	S	42,00	59,75	60,00	8,00	32
		1.575	3.465	3.472	.315				1.654	2.352	2.362	.315	
*40X90X10	S	40,00	89,72	90,00	10,00	32	*42X60X9	S	42,00	59,75	60,00	9,00	32
		1.575	3.532	3.543	.394				1.654	2.352	2.362	.354	

For Illustration and Material Data See Technical Section
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Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*42X60X10	S	42,00	59,75	60,00	10,00	32	43X55X8	S	43,00	55,00	55,20	8,00	32
		1.654	2.352	2.362	.394				1.693	2.165	2.173	.315	
*42X60X12	S	42,00	59,75	60,00	12,00	32	*43X57X8	S	43,00	57,00	57,20	8,00	32
		1.654	2.352	2.362	.472				1.693	2.244	2.252	.315	
42X60X7	S	42,00	60,00	60,22	7,00	32	*43X58X8	S	43,00	57,75	58,00	8,00	32
		1.654	2.362	2.371	.276				1.693	2.273	2.283	.315	
*42X60X10V	V	42,00	60,00	60,20	10,00	35	*43X62X8	S	43,00	61,75	62,00	8,00	32
		1.654	2.362	2.370	.394				1.693	2.431	2.441	.315	
*42X62X7	S	42,00	61,75	62,00	7,00	32	*43X62X12	S	43,00	61,75	62,00	12,00	32
		1.654	2.431	2.441	.276				1.693	2.431	2.441	.472	
*42X62X10	S	42,00	61,75	62,00	10,00	32	43X65X8	S	43,00	65,00	65,20	8,00	32
		1.654	2.431	2.441	.394				1.693	2.559	2.567	.315	
*42X62X12	S	42,00	61,75	62,00	12,00	32	*43X66X10	S	43,00	65,75	66,00	10,00	32
		1.654	2.431	2.441	.472				1.693	2.588	2.598	.394	
42X62X8	S	42,00	62,00	62,27	8,00	35	*43X69X8	S	43,00	69,00	69,20	8,00	32
		1.654	2.441	2.452	.315				1.693	2.717	2.724	.315	
*42X62X8V	V	42,00	62,00	62,20	8,00	32	*43X73X8	S	43,00	73,00	73,20	8,00	32
		1.654	2.441	2.449	.315				1.693	2.874	2.882	.315	
*42X63X7	S	42,00	62,75	63,00	7,00	32	*43.5X62X6.5	S	43,50	61,75	62,00	6,50	32
		1.654	2.470	2.480	.276				1.713	2.431	2.441	.256	
*42X64X8	S	42,00	63,75	64,00	8,00	32	*44X54X7	S	44,00	53,75	54,00	7,00	32
		1.654	2.510	2.520	.315				1.732	2.116	2.126	.276	
*42X65X9	S	42,00	64,75	65,00	9,00	32	*44X58X8	S	44,00	58,00	58,20	8,00	32
		1.654	2.549	2.559	.354				1.732	2.283	2.291	.315	
*42X65X12	S	42,00	64,75	65,00	12,00	32	*44X60X9	S	44,00	59,75	60,00	9,00	32
		1.654	2.549	2.559	.472				1.732	2.352	2.362	.354	
*42X65X7.5	S	42,00	64,75	65,00	7,50	32	44X60X7	S	44,00	60,00	60,20	7,00	32
		1.654	2.549	2.559	.295				1.732	2.362	2.370	.276	
42X65X10	N	42,00	65,00	65,15	10,00	47	44X60X10	S	44,00	60,00	60,20	10,00	35
		1.654	2.559	2.565	.394				1.732	2.362	2.370	.394	
*42X65X10V	V	42,00	65,00	65,20	10,00	35	*44X62X7	S	44,00	61,75	62,00	7,00	32
		1.654	2.559	2.567	.394				1.732	2.431	2.441	.276	
42X68X8	S	42,00	68,00	68,20	8,00	32	*44X62X10	S	44,00	61,75	62,00	10,00	32
		1.654	2.677	2.685	.315				1.732	2.431	2.441	.394	
42X68X10	S	42,00	68,00	68,20	10,00	32	44X62X8◀▶	S	44,00	62,00	62,26	8,00	32
		1.654	2.677	2.685	.394				1.732	2.441	2.451	.315	
*42X70X8	S	42,00	69,75	70,00	8,00	32	*44X65X11	S	44,00	64,75	65,00	11,00	32
		1.654	2.746	2.756	.315				1.732	2.549	2.559	.433	
*42X70X12	S	42,00	69,75	70,00	12,00	32	44X65X10	S	44,00	65,00	65,28	10,00	35
		1.654	2.746	2.756	.472				1.732	2.559	2.570	.394	
42X70X10	S	42,00	70,00	70,20	10,00	32	*44X70X12	S	44,00	69,75	70,00	12,00	32
		1.654	2.756	2.764	.394				1.732	2.746	2.756	.472	
42X72X8	S	42,00	72,00	72,20	8,00	32	44X70X8	S	44,00	70,00	70,20	8,00	32
		1.654	2.835	2.843	.315				1.732	2.756	2.764	.315	
42X72X10	S	42,00	72,00	72,27	10,00	32	44X72X10	S	44,00	72,00	72,11	10,00	32
		1.654	2.835	2.845	.394				1.732	2.835	2.839	.394	
*42X72X10V	V	42,00	72,00	72,20	10,00	35	*44.5X62X10	S	44,50	61,75	62,00	10,00	32
		1.654	2.835	2.843	.394				1.752	2.431	2.441	.394	
*42X75X10	S	42,00	74,75	75,00	10,00	32	*45X54X4.5	S	45,00	53,75	54,00	4,50	32
		1.654	2.943	2.953	.394				1.772	2.116	2.126	.177	
*42X75X12	S	42,00	74,75	75,00	12,00	32	*45X55X5	S	45,00	54,75	55,00	5,00	32
		1.654	2.943	2.953	.472				1.772	2.155	2.165	.197	
*42X75X8	S	42,00	75,00	75,20	8,00	32	*45X55X7	S	45,00	54,75	55,00	7,00	32
		1.654	2.953	2.961	.315				1.772	2.155	2.165	.276	
*42X76X12	S	42,00	75,75	76,00	12,00	32	*45X55X8	S	45,00	54,75	55,00	8,00	32
		1.654	2.982	2.992	.472				1.772	2.155	2.165	.315	
*42X78X10	S	42,00	77,72	78,00	10,00	32	*45X55X10	S	45,00	54,75	55,00	10,00	32
		1.654	3.060	3.071	.394				1.772	2.155	2.165	.394	
*42X78X8	S	42,00	78,00	78,20	8,00	32	*45X56X6	S	45,00	55,75	56,00	6,00	32
		1.654	3.071	3.079	.315				1.772	2.195	2.205	.236	
42X80X8	S	42,00	80,00	80,20	8,00	32	*45X56X8	S	45,00	55,75	56,00	8,00	32
		1.654	3.150	3.157	.315				1.772	2.195	2.205	.315	
42X80X10	S	42,00	80,00	80,20	10,00	35	*45X57X9	S	45,00	56,75	57,00	9,00	32
		1.654	3.150	3.157	.394				1.772	2.234	2.244	.354	
*42.9X62X8	S	42,90	61,75	62,00	8,00	32	*45X57X5.5	S	45,00	56,75	57,00	5,50	32
		1.689	2.431	2.441	.315				1.772	2.234	2.244	.217	
*43X50X7	S	43,00	49,80	50,00	7,00	32	*45X58X8	S	45,00	57,75	58,00	8,00	32
		1.693	1.961	1.969	.276				1.772	2.273	2.283	.315	
*43X55X9	S	43,00	54,75	55,00	9,00	32	*45X58X10	S	45,00	57,75	58,00	10,00	32
		1.693	2.155	2.165	.354				1.772	2.273	2.283	.394	

For Illustration and Material Data See Technical Section

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Numerical List Size & Type
NATIONAL®


Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
45X58X7	S	45,00	58,00	58,28	7,00	35	*45X72X8V	V	45,00	72,00	72,20	8,00	32
		1.772	2.283	2.294	.276				1.772	2.835	2.843	.315	
*45X59X7	S	45,00	58,75	59,00	7,00	32	45X72X10	S	45,00	72,00	72,20	10,00	35
		1.772	2.313	2.323	.276				1.772	2.835	2.843	.394	
*45X59X10	S	45,00	58,75	59,00	10,00	32	45X72X12	S	45,00	72,00	72,28	12,00	35
		1.772	2.313	2.323	.394				1.772	2.835	2.846	.472	
*45X60X9	S	45,00	59,75	60,00	9,00	32	45X72X95	S	45,00	72,00	72,25	10,00	32
		1.772	2.352	2.362	.354				1.772	2.835	2.844	.394	
*45X60X12	S	45,00	59,75	60,00	12,00	32	*45X75X8	S	45,00	74,75	75,00	8,00	32
		1.772	2.352	2.362	.472				1.772	2.943	2.953	.315	
45X60X7	S	45,00	60,00	60,20	7,00	35	*45X75X10	S	45,00	74,75	75,00	10,00	32
		1.772	2.362	2.370	.276				1.772	2.943	2.953	.394	
45X60X8	S	45,00	60,00	60,20	8,00	35	*45X75X12	S	45,00	74,75	75,00	12,00	32
		1.772	2.362	2.370	.315				1.772	2.943	2.953	.472	
*45X60X8V	V	45,00	60,00	60,20	8,00	35	45X75X7	S	45,00	75,00	75,20	7,00	32
		1.772	2.362	2.370	.315				1.772	2.953	2.961	.276	
45X60X10	S	45,00	60,00	60,25	10,00	32	*45X75X10V	V	45,00	75,00	75,20	10,00	32
		1.772	2.362	2.372	.394				1.772	2.953	2.961	.394	
*45X62X7	S	45,00	61,75	62,00	7,00	32	*45X78X12	S	45,00	77,72	78,00	12,00	32
		1.772	2.431	2.441	.276				1.772	3.060	3.071	.472	
*45X62X9	S	45,00	61,75	62,00	9,00	32	*45X80X12	S	45,00	79,72	80,00	12,00	32
		1.772	2.431	2.441	.354				1.772	3.139	3.150	.472	
*45X62X10	S	45,00	61,75	62,00	10,00	32	45X80X10	S	45,00	80,00	80,28	10,00	32
		1.772	2.431	2.441	.394				1.772	3.150	3.161	.394	
*45X62X12	S	45,00	61,75	62,00	12,00	32	*45X82X12	S	45,00	81,72	82,00	12,00	32
		1.772	2.431	2.441	.472				1.772	3.217	3.228	.472	
45X62X8	S	45,00	62,00	62,30	8,00	35	*45X82X8	S	45,00	82,00	82,20	8,00	32
		1.772	2.441	2.453	.315				1.772	3.228	3.236	.315	
*45X62X8V	V	45,00	62,00	62,20	8,00	35	*45X85X12	S	45,00	84,72	85,00	12,00	32
		1.772	2.441	2.449	.315				1.772	3.335	3.346	.472	
*45X63X7	S	45,00	62,75	63,00	7,00	32	45X85X10	S	45,00	85,00	85,20	10,00	35
		1.772	2.470	2.480	.276				1.772	3.346	3.354	.394	
*45X64X7	S	45,00	63,75	64,00	7,00	32	45X85X13	S	45,00	85,00	85,25	13,00	45
		1.772	2.510	2.520	.276				1.772	3.346	3.356	.512	
*45X64X10	S	45,00	63,75	64,00	10,00	32	*45X90X10	S	45,00	89,72	90,00	10,00	32
		1.772	2.510	2.520	.394				1.772	3.532	3.543	.394	
*45X65X7	S	45,00	64,75	65,00	7,00	32	*45X100X10	S	45,00	99,72	100,00	10,00	32
		1.772	2.549	2.559	.276				1.772	3.926	3.937	.394	
*45X65X9	S	45,00	64,75	65,00	9,00	32	*45X63.5X10	S	45,00	63,25	63,50	10,00	32
		1.772	2.549	2.559	.354				1.772	2.490	2.500	.394	
*45X65X10	S	45,00	64,75	65,00	10,00	32	*45X68.3X7	S	45,00	68,05	68,30	7,00	32
		1.772	2.549	2.559	.394				1.772	2.679	2.689	.276	
*45X65X12	S	45,00	64,75	65,00	12,00	32	*45X74.5X12	S	45,00	74,25	74,50	12,00	32
		1.772	2.549	2.559	.472				1.772	2.923	2.933	.472	
45X65X8	S	45,00	65,00	65,28	8,00	32	*46X54X9	S	46,00	53,75	54,00	9,00	32
		1.772	2.559	2.570	.315				1.811	2.116	2.126	.354	
*45X65X8V	V	45,00	65,00	65,20	8,00	35	*46X58X7	S	46,00	57,75	58,00	7,00	32
		1.772	2.559	2.567	.315				1.811	2.273	2.283	.276	
*45X66X10	S	45,00	65,75	66,00	10,00	32	*46X59X8	S	46,00	59,00	59,20	8,00	32
		1.772	2.588	2.598	.394				1.811	2.323	2.331	.315	
*45X68X8	S	45,00	67,75	68,00	8,00	32	*46X60X7	S	46,00	59,75	60,00	7,00	32
		1.772	2.667	2.677	.315				1.811	2.352	2.362	.276	
*45X68X9	S	45,00	67,75	68,00	9,00	32	*46X60X10	S	46,00	59,75	60,00	10,00	32
		1.772	2.667	2.677	.354				1.811	2.352	2.362	.394	
*45X68X10	S	45,00	67,75	68,00	10,00	32	*46X60X8	S	46,00	60,00	60,20	8,00	32
		1.772	2.667	2.677	.394				1.811	2.362	2.370	.315	
*45X68X12	S	45,00	67,75	68,00	12,00	32	*46X62X8	S	46,00	62,00	62,20	8,00	32
		1.772	2.667	2.677	.472				1.811	2.441	2.449	.315	
45X68X7	S	45,00	68,00	68,28	7,00	32	46X65X7	S	46,00	65,00	65,20	7,00	32
		1.772	2.677	2.688	.276				1.811	2.559	2.567	.276	
*45X68X10V	V	45,00	68,00	68,20	10,00	35	*46X68X8	S	46,00	68,00	68,20	8,00	32
		1.772	2.677	2.685	.394				1.811	2.677	2.685	.315	
*45X70X12	S	45,00	69,75	70,00	12,00	32	46X70X8	S	46,00	70,00	70,20	8,00	32
		1.772	2.746	2.756	.472				1.811	2.756	2.764	.315	
45X70X10	S	45,00	70,00	70,18	10,00	32	*46X72X8	S	46,00	72,00	72,20	8,00	32
		1.772	2.756	2.763	.394				1.811	2.835	2.843	.315	
*45X72X8	S	45,00	71,75	72,00	8,00	32	*46X73X8	S	46,00	73,00	73,20	8,00	32
		1.772	2.825	2.835	.315				1.811	2.874	2.882	.315	
45X72X7	S	45,00	72,00	72,28	7,00	35	*46X59.1X12	S	46,00	58,85	59,10	12,00	32
		1.772	2.835	2.846	.276				1.811	2.317	2.327	.472	

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*47X57X7	S	47,00	56,75	57,00	7,00	32	*48X72X9	S	48,00	71,75	72,00	9,00	32
		1.850	2.234	2.244	.276				1.890	2.825	2.835	.354	
*47X60X7	S	47,00	59,75	60,00	7,00	32	*48X72X10	S	48,00	71,75	72,00	10,00	32
		1.850	2.352	2.362	.276				1.890	2.825	2.835	.394	
*47X60X8	S	47,00	60,00	60,20	8,00	32	*48X72X12	S	48,00	71,75	72,00	12,00	32
		1.850	2.362	2.370	.315				1.890	2.825	2.835	.472	
*47X62X6	S	47,00	61,75	62,00	6,00	32	48X72X7	S	48,00	72,00	72,31	7,00	32
		1.850	2.431	2.441	.236				1.890	2.835	2.847	.276	
47X62X8	S	47,00	62,00	62,20	8,00	32	*48X72X8V	V	48,00	72,00	72,20	8,00	35
		1.850	2.441	2.449	.315				1.890	2.835	2.843	.315	
*47X65X10	S	47,00	64,75	65,00	10,00	32	*48X74X10	S	48,00	73,75	74,00	10,00	32
		1.850	2.549	2.559	.394				1.890	2.903	2.913	.394	
47X65X8	S	47,00	65,00	65,20	8,00	32	*48X74X12	S	48,00	73,75	74,00	12,00	32
		1.850	2.559	2.567	.315				1.890	2.903	2.913	.472	
47X68X10	S	47,00	68,00	68,27	10,00	32	*48X75X12	S	48,00	74,75	75,00	12,00	32
		1.850	2.677	2.688	.394				1.890	2.943	2.953	.472	
47X70X10	S	47,00	70,00	70,20	10,00	32	48X75X10	S	48,00	75,00	75,20	10,00	32
		1.850	2.756	2.764	.394				1.890	2.953	2.961	.394	
*48X58X4	S	48,00	57,75	58,00	4,00	32	*48X78X8	S	48,00	78,00	78,20	8,00	32
		1.890	2.273	2.283	.157				1.890	3.071	3.079	.315	
*48X58X8	S	48,00	58,00	58,20	8,00	32	*48X80X10	S	48,00	79,72	80,00	10,00	32
		1.890	2.283	2.291	.315				1.890	3.139	3.150	.394	
*48X59X6	S	48,00	58,75	59,00	6,00	32	48X80X8	S	48,00	80,00	80,20	8,00	32
		1.890	2.313	2.323	.236				1.890	3.150	3.157	.315	
*48X60X8	S	48,00	59,75	60,00	8,00	32	*48X82X10	S	48,00	81,72	82,00	10,00	32
		1.890	2.352	2.362	.315				1.890	3.217	3.228	.394	
*48X60X10	S	48,00	59,75	60,00	10,00	32	*48X82X8	S	48,00	82,00	82,20	8,00	32
		1.890	2.352	2.362	.394				1.890	3.228	3.236	.315	
*48X62X7	S	48,00	61,75	62,00	7,00	32	*48X85X10	S	48,00	84,72	85,00	10,00	32
		1.890	2.431	2.441	.276				1.890	3.335	3.346	.394	
*48X62X9	S	48,00	61,75	62,00	9,00	32	*48X85X8	S	48,00	85,00	85,20	8,00	32
		1.890	2.431	2.441	.354				1.890	3.346	3.354	.315	
*48X62X10	S	48,00	61,75	62,00	10,00	32	*48X88X8	S	48,00	88,00	88,20	8,00	32
		1.890	2.431	2.441	.394				1.890	3.465	3.472	.315	
*48X62X12	S	48,00	61,75	62,00	12,00	32	*48X90X13	S	48,00	89,72	90,00	13,00	32
		1.890	2.431	2.441	.472				1.890	3.532	3.543	.512	
48X62X8	S	48,00	62,00	62,10	8,00	35	48X90X10	S	48,00	90,00	90,20	10,00	35
		1.890	2.441	2.445	.315				1.890	3.543	3.551	.394	
*48X62X8V	V	48,00	62,00	62,20	8,00	35	*48X70.5X10	S	48,00	70,25	70,50	10,00	32
		1.890	2.441	2.449	.315				1.890	2.766	2.776	.394	
48X63X9	S	48,00	63,00	63,09	9,00	47	*48X72.5X10	S	48,00	72,25	72,50	10,00	32
		1.890	2.480	2.484	.354				1.890	2.844	2.854	.394	
*48X65X7	S	48,00	64,75	65,00	7,00	32	*49X62X6	S	49,00	61,75	62,00	6,00	32
		1.890	2.549	2.559	.276				1.929	2.431	2.441	.236	
*48X65X9	S	48,00	64,75	65,00	9,00	32	*49X76X15	S	49,00	75,75	76,00	15,00	32
		1.890	2.549	2.559	.354				1.929	2.982	2.992	.591	
*48X65X12	S	48,00	64,75	65,00	12,00	32	*50X60X8	S	50,00	59,75	60,00	8,00	32
		1.890	2.549	2.559	.472				1.969	2.352	2.362	.315	
48X65X10	S	48,00	65,00	65,30	10,00	32	*50X60X10	S	50,00	59,75	60,00	10,00	32
		1.890	2.559	2.571	.394				1.969	2.352	2.362	.394	
*48X65X10V	V	48,00	65,00	65,20	10,00	32	*50X62X9	S	50,00	61,75	62,00	9,00	32
		1.890	2.559	2.567	.394				1.969	2.431	2.441	.354	
*48X67X11	S	48,00	66,75	67,00	11,00	32	*50X62X10	S	50,00	61,75	62,00	10,00	32
		1.890	2.628	2.638	.433				1.969	2.431	2.441	.394	
*48X68X8	S	48,00	67,75	68,00	8,00	32	50X62X7	S	50,00	62,00	62,28	7,00	32
		1.890	2.667	2.677	.315				1.969	2.441	2.452	.276	
48X68X10	N	48,00	68,00	68,27	10,00	32	*50X63X8	S	50,00	62,75	63,00	8,00	32
		1.890	2.677	2.688	.394				1.969	2.470	2.480	.315	
*48X70X7	S	48,00	69,75	70,00	7,00	32	*50X64X8	S	50,00	63,75	64,00	8,00	32
		1.890	2.746	2.756	.276				1.969	2.510	2.520	.315	
*48X70X10	S	48,00	69,75	70,00	10,00	32	*50X64X9	S	50,00	63,75	64,00	9,00	32
		1.890	2.746	2.756	.394				1.969	2.510	2.520	.354	
*48X70X12	S	48,00	69,75	70,00	12,00	32	*50X64X10	S	50,00	63,75	64,00	10,00	32
		1.890	2.746	2.756	.472				1.969	2.510	2.520	.394	
48X70X8	S	48,00	70,00	70,20	8,00	35	*50X65X9	S	50,00	64,75	65,00	9,00	32
		1.890	2.756	2.764	.315				1.969	2.549	2.559	.354	
48X70X9	S	48,00	70,00	70,28	9,00	35	*50X65X10	S	50,00	64,75	65,00	10,00	32
		1.890	2.756	2.767	.354				1.969	2.549	2.559	.394	
*48X72X8	S	48,00	71,75	72,00	8,00	32	50X65X8	S	50,00	65,00	65,28	8,00	32
		1.890	2.825	2.835	.315				1.969	2.559	2.570	.315	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*50X65X8V	V	50,00	65,00	65,20	8,00	32	*50X82X12	S	50,00	81,72	82,00	12,00	32
		1.969	2.559	2.567	.315			1.969	3.217	3.228	.472		
*50X66X6	S	50,00	65,75	66,00	6,00	32	*50X85X10	S	50,00	84,72	85,00	10,00	32
		1.969	2.588	2.598	.236			1.969	3.335	3.346	.394		
*50X67X9	S	50,00	66,75	67,00	9,00	32	*50X85X12	S	50,00	84,72	85,00	12,00	32
		1.969	2.628	2.638	.354			1.969	3.335	3.346	.472		
*50X67X10	S	50,00	66,75	67,00	10,00	32	50X85X8	S	50,00	85,00	85,20	8,00	32
		1.969	2.628	2.638	.394			1.969	3.346	3.354	.315		
*50X68X7	S	50,00	67,75	68,00	7,00	32	*50X88X8	S	50,00	88,00	88,20	8,00	32
		1.969	2.667	2.677	.276			1.969	3.465	3.472	.315		
*50X68X9	S	50,00	67,75	68,00	9,00	32	*50X90X13	S	50,00	89,72	90,00	13,00	32
		1.969	2.667	2.677	.354			1.969	3.532	3.543	.512		
*50X68X10	S	50,00	67,75	68,00	10,00	32	50X90X8	S	50,00	90,00	90,20	8,00	32
		1.969	2.667	2.677	.394			1.969	3.543	3.551	.315		
50X68X8	S	50,00	68,00	68,28	8,00	35	50X90X10	S	50,00	90,00	90,28	10,00	35
		1.969	2.677	2.688	.315			1.969	3.543	3.554	.394		
*50X68X8V	V	50,00	68,00	68,20	8,00	32	*50X90X10V	V	50,00	90,00	90,20	10,00	35
		1.969	2.677	2.685	.315			1.969	3.543	3.551	.394		
*50X70X10	S	50,00	69,75	70,00	10,00	32	*50X100X10	S	50,00	99,72	100,00	10,00	32
		1.969	2.746	2.756	.394			1.969	3.926	3.937	.394		
*50X70X12	S	50,00	69,75	70,00	12,00	32	*51X63X8	S	51,00	63,00	63,20	8,00	32
		1.969	2.746	2.756	.472			2.008	2.480	2.488	.315		
*50X70X13	S	50,00	69,75	70,00	13,00	32	*51X65X13	S	51,00	64,75	65,00	13,00	32
		1.969	2.746	2.756	.512			2.008	2.549	2.559	.512		
50X70X8	S	50,00	70,00	70,20	8,00	32	51X65X7	S	51,00	65,00	65,10	7,00	47
		1.969	2.756	2.764	.315			2.008	2.559	2.563	.276		
50X70X9	S	50,00	70,00	70,20	9,00	32	*51X73X8	S	51,00	73,00	73,20	8,00	32
		1.969	2.756	2.764	.354			2.008	2.874	2.882	.315		
*50X70X10V	V	50,00	70,00	70,20	10,00	35	*51X80X8	S	51,00	80,00	80,20	8,00	32
		1.969	2.756	2.764	.394			2.008	3.150	3.157	.315		
*50X72X7	S	50,00	71,75	72,00	7,00	32	*51X81X8	S	51,00	81,00	81,20	8,00	32
		1.969	2.825	2.835	.276			2.008	3.189	3.197	.315		
*50X72X9	S	50,00	71,75	72,00	9,00	32	*51X90X8	S	51,00	90,00	90,20	8,00	32
		1.969	2.825	2.835	.354			2.008	3.543	3.551	.315		
*50X72X10	S	50,00	71,75	72,00	10,00	32	*51X92X8	S	51,00	92,00	92,20	8,00	32
		1.969	2.825	2.835	.394			2.008	3.622	3.630	.315		
*50X72X12	S	50,00	71,75	72,00	12,00	32	*51X66.5X10	S	51,00	66,25	66,50	10,00	32
		1.969	2.825	2.835	.472			2.008	2.608	2.618	.394		
50X72X8	S	50,00	72,00	72,28	8,00	32	*52X62X7	S	52,00	61,75	62,00	7,00	32
		1.969	2.835	2.846	.315			2.047	2.431	2.441	.276		
*50X72X8V	V	50,00	72,00	72,20	8,00	32	*52X62X10	S	52,00	61,75	62,00	10,00	32
		1.969	2.835	2.843	.315			2.047	2.431	2.441	.394		
*50X73X9	S	50,00	72,75	73,00	9,00	32	*52X63X8	S	52,00	62,75	63,00	8,00	32
		1.969	2.864	2.874	.354			2.047	2.470	2.480	.315		
*50X75X10	S	50,00	74,75	75,00	10,00	32	*52X64X9	S	52,00	63,75	64,00	9,00	32
		1.969	2.943	2.953	.394			2.047	2.510	2.520	.354		
50X75X7	S	50,00	75,00	75,20	7,00	32	*52X65X8	S	52,00	64,75	65,00	8,00	32
		1.969	2.953	2.961	.276			2.047	2.549	2.559	.315		
*50X75X8	S	50,00	75,00	75,20	8,00	32	*52X65X10	S	52,00	64,75	65,00	10,00	32
		1.969	2.953	2.961	.315			2.047	2.549	2.559	.394		
50X75X12	S	50,00	75,00	75,28	12,00	32	52X65X9	S	52,00	65,00	65,30	9,00	32
		1.969	2.953	2.964	.472			2.047	2.559	2.571	.354		
*50X76X12	S	50,00	75,75	76,00	12,00	32	*52X68X7	S	52,00	67,75	68,00	7,00	32
		1.969	2.982	2.992	.472			2.047	2.667	2.677	.276		
*50X78X12	S	50,00	77,72	78,00	12,00	32	*52X68X10	S	52,00	67,75	68,00	10,00	32
		1.969	3.060	3.071	.472			2.047	2.667	2.677	.394		
*50X78X8	S	50,00	78,00	78,20	8,00	32	52X68X8	S	52,00	68,00	68,28	8,00	32
		1.969	3.071	3.079	.315			2.047	2.677	2.688	.315		
*50X80X10	S	50,00	79,72	80,00	10,00	32	*52X68X8V	V	52,00	68,00	68,20	8,00	35
		1.969	3.139	3.150	.394			2.047	2.677	2.685	.315		
*50X80X12	S	50,00	79,72	80,00	12,00	32	52X69X10	S	52,00	69,00	69,28	10,00	35
		1.969	3.139	3.150	.472			2.047	2.717	2.728	.394		
*50X80X13	S	50,00	79,72	80,00	13,00	32	*52X70X9	S	52,00	69,75	70,00	9,00	32
		1.969	3.139	3.150	.512			2.047	2.746	2.756	.354		
50X80X8	S	50,00	80,00	80,28	8,00	32	*52X70X13	S	52,00	69,75	70,00	13,00	32
		1.969	3.150	3.161	.315			2.047	2.746	2.756	.512		
*50X80X8V	V	50,00	80,00	80,20	8,00	32	52X70X8	S	52,00	70,00	70,20	8,00	32
		1.969	3.150	3.157	.315			2.047	2.756	2.764	.315		
*50X81X12	S	50,00	80,72	81,00	12,00	32	*52X72X9	S	52,00	71,75	72,00	9,00	32
		1.969	3.178	3.189	.472			2.047	2.825	2.835	.354		

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 52X72X10	S	52,00	71,75	72,00	10,00	32	54X82X10	S	54,00	82,00	82,35	10,00	32
		2.047	2.825	2.835	.394				2.126	3.228	3.242	.394	
* 52X72X12	S	52,00	71,75	72,00	12,00	32	54X85X10	S	54,00	85,00	85,28	10,00	32
		2.047	2.825	2.835	.472				2.126	3.346	3.357	.394	
52X72X8	S	52,00	72,00	72,20	8,00	35	* 54X72.5X9	S	54,00	72,25	72,50	9,00	32
		2.047	2.835	2.843	.315				2.126	2.844	2.854	.354	
* 52X72X8V	V	52,00	72,00	72,20	8,00	32	* 54.5X70X8	S	54,50	69,75	70,00	8,00	32
		2.047	2.835	2.843	.315				2.146	2.746	2.756	.315	
* 52X75X10	S	52,00	74,75	75,00	10,00	32	* 55X65X8	S	55,00	64,75	65,00	8,00	32
		2.047	2.943	2.953	.394				2.165	2.549	2.559	.315	
52X75X12	S	52,00	75,00	75,28	12,00	32	* 55X65X10	S	55,00	64,75	65,00	10,00	32
		2.047	2.953	2.964	.472				2.165	2.549	2.559	.394	
* 52X78X10	S	52,00	77,72	78,00	10,00	32	* 55X68X10	S	55,00	67,75	68,00	10,00	32
		2.047	3.060	3.071	.394				2.165	2.667	2.677	.394	
* 52X80X13	S	52,00	79,72	80,00	13,00	32	55X68X8	S	55,00	68,00	68,28	8,00	32
		2.047	3.139	3.150	.512				2.165	2.677	2.688	.315	
52X80X10↔	S	52,00	80,00	80,28	10,00	32	* 55X70X9	S	55,00	69,75	70,00	9,00	32
		2.047	3.150	3.161	.394				2.165	2.746	2.756	.354	
52X82X8	S	52,00	82,00	82,20	8,00	32	* 55X70X10	S	55,00	69,75	70,00	10,00	32
		2.047	3.228	3.236	.315				2.165	2.746	2.756	.394	
* 52X85X9	S	52,00	84,72	85,00	9,00	32	* 55X70X12	S	55,00	69,75	70,00	12,00	32
		2.047	3.335	3.346	.354				2.165	2.746	2.756	.472	
* 52X85X10	S	52,00	84,72	85,00	10,00	32	55X70X8	S	55,00	70,00	70,27	8,00	35
		2.047	3.335	3.346	.394				2.165	2.756	2.767	.315	
52X85X7	S	52,00	85,00	85,20	8,00	32	* 55X70X8V	V	55,00	70,00	70,20	8,00	32
		2.047	3.346	3.354	.315				2.165	2.756	2.764	.315	
* 52X85X8	S	52,00	85,00	85,20	8,00	32	* 55X72X9	S	55,00	71,75	72,00	9,00	32
		2.047	3.346	3.354	.315				2.165	2.825	2.835	.354	
* 52X90X10	S	52,00	89,72	90,00	10,00	32	* 55X72X10	S	55,00	71,75	72,00	10,00	32
		2.047	3.532	3.543	.394				2.165	2.825	2.835	.394	
53X68X10	S	53,00	68,00	68,28	10,00	32	* 55X72X12	S	55,00	71,75	72,00	12,00	32
		2.087	2.677	2.688	.394				2.165	2.825	2.835	.472	
* 53X72X10	S	53,00	71,75	72,00	10,00	32	55X72X8	S	55,00	72,00	72,25	8,00	32
		2.087	2.825	2.835	.394				2.165	2.835	2.844	.315	
* 53X73X10	S	53,00	72,75	73,00	10,00	32	* 55X72X8V	V	55,00	72,00	72,20	8,00	32
		2.087	2.864	2.874	.394				2.165	2.835	2.843	.315	
* 53X80X13	S	53,00	79,72	80,00	13,00	32	* 55X73X10	S	55,00	72,75	73,00	10,00	32
		2.087	3.139	3.150	.512				2.165	2.864	2.874	.394	
* 53X68.2X7	S	53,00	67,95	68,20	7,00	32	* 55X75X9	S	55,00	74,75	75,00	9,00	32
		2.087	2.675	2.685	.276				2.165	2.943	2.953	.354	
* 54X64X9	S	54,00	63,75	64,00	9,00	32	* 55X75X12	S	55,00	74,75	75,00	12,00	32
		2.126	2.510	2.520	.354				2.165	2.943	2.953	.472	
* 54X65X10	S	54,00	64,75	65,00	10,00	32	55X75X8	S	55,00	75,00	75,20	8,00	35
		2.126	2.549	2.559	.394				2.165	2.953	2.961	.315	
* 54X65X13	S	54,00	64,75	65,00	13,00	32	55X75X10	S	55,00	75,00	75,35	10,00	35
		2.126	2.549	2.559	.512				2.165	2.953	2.967	.394	
54X65X8	S	54,00	65,00	65,20	8,00	32	* 55X75X10V	V	55,00	75,00	75,20	10,00	35
		2.126	2.559	2.567	.315				2.165	2.953	2.961	.394	
* 54X68X10	S	54,00	67,75	68,00	10,00	32	* 55X76X12	S	55,00	75,75	76,00	12,00	32
		2.126	2.667	2.677	.394				2.165	2.982	2.992	.472	
* 54X70X9	S	54,00	69,75	70,00	9,00	32	* 55X78X9	S	55,00	77,72	78,00	9,00	32
		2.126	2.746	2.756	.354				2.165	3.060	3.071	.354	
54X72X10	S	54,00	72,00	72,25	10,00	32	* 55X78X12	S	55,00	77,72	78,00	12,00	32
		2.126	2.835	2.844	.394				2.165	3.060	3.071	.472	
54X73X8	S	54,00	73,00	73,20	8,00	32	55X78X10	S	55,00	78,00	78,28	10,00	32
		2.126	2.874	2.882	.315				2.165	3.071	3.082	.394	
* 54X74X10	S	54,00	73,75	74,00	10,00	32	* 55X80X10	S	55,00	79,72	80,00	10,00	32
		2.126	2.903	2.913	.394				2.165	3.139	3.150	.394	
* 54X75X10	S	54,00	74,75	75,00	10,00	32	* 55X80X12	S	55,00	79,72	80,00	12,00	32
		2.126	2.943	2.953	.394				2.165	3.139	3.150	.472	
* 54X76X8	S	54,00	75,75	76,00	8,00	32	55X80X8	S	55,00	80,00	80,28	8,00	32
		2.126	2.982	2.992	.315				2.165	3.150	3.161	.315	
* 54X80X10	S	54,00	79,72	80,00	10,00	32	* 55X80X8V	V	55,00	80,00	80,20	8,00	35
		2.126	3.139	3.150	.394				2.165	3.150	3.157	.315	
* 54X81X10	S	54,00	80,72	81,00	10,00	32	* 55X82X9	S	55,00	81,72	82,00	9,00	32
		2.126	3.178	3.189	.394				2.165	3.217	3.228	.354	
* 54X81X8	S	54,00	81,00	81,20	8,00	32	55X82X12	S	55,00	82,00	82,30	12,00	32
		2.126	3.189	3.197	.315				2.165	3.228	3.240	.472	
* 54X82X11	S	54,00	81,72	82,00	11,00	32	* 55X85X12	S	55,00	84,72	85,00	12,00	32
		2.126	3.217	3.228	.433				2.165	3.335	3.346	.472	

For Illustration and Material Data See Technical Section

↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*55X85X14	S	55.00	84.72	85.00	14.00	32	*57X67X6	S	57.00	66.75	67.00	6.00	32
55X85X8	S	2.165	3.335	3.346	.551	32			2.244	2.628	2.638	.236	
55X85X10	S	55.00	85.00	85.20	8.00	32	*57X75X12	S	57.00	74.75	75.00	12.00	32
55X88X8↔	S	2.165	3.346	3.354	.315	32			2.244	2.943	2.953	.472	
*55X88X10	S	55.00	88.00	88.20	8.00	32	*57X80X12	S	57.00	79.72	80.00	12.00	32
55X90X8	S	2.165	3.346	3.359	.394	32			2.244	3.139	3.150	.472	
*55X90X8	S	55.00	88.00	88.20	8.00	32	*57X81X8	S	57.00	81.00	81.20	8.00	32
*55X90X10	S	2.165	3.465	3.472	.315	32			2.244	3.189	3.197	.315	
55X90X13	S	55.00	90.00	90.27	8.00	32	*57X85X10	S	57.00	84.72	85.00	10.00	32
*55X95X8	S	2.165	3.543	3.554	.315	32			2.244	3.335	3.346	.394	
*55X100X10	S	55.00	89.72	90.00	8.00	32	*57X85X12	S	57.00	84.72	85.00	12.00	32
*55X100X12	S	2.165	3.532	3.543	.394	32			2.244	3.335	3.346	.472	
55X100X7	S	55.00	90.00	90.28	13.00	32	*57X85X15	S	57.00	84.72	85.00	15.00	32
55X100X13	S	2.165	3.543	3.554	.512	32			2.244	3.335	3.346	.591	
56X68X10	N	56.00	95.00	95.20	8.00	32	57X85X13	S	57.00	85.00	85.20	13.00	32
*56X70X9	S	2.165	3.740	3.748	.315	32			2.244	3.346	3.354	.512	
56X70X8	S	56.00	99.72	100.00	10.00	32	*57X92X8	S	57.00	92.00	92.20	8.00	32
*56X70X8V	V	2.205	2.677	2.682	.394	32			2.244	3.622	3.630	.315	
56X70X8	S	56.00	100.00	100.30	12.70	45	*57X82.5X10	S	57.00	82.22	82.50	10.00	32
*56X70X8V	V	2.165	3.937	3.949	.500	32			2.244	3.237	3.248	.394	
56X72X8	S	56.00	68.00	68.12	10.00	32	*58X68X9	S	58.00	67.75	68.00	9.00	32
*56X72X9	S	2.205	2.746	2.756	.354	32			2.283	2.667	2.677	.354	
56X72X7	S	56.00	70.00	70.20	8.00	35	*58X70X7	S	58.00	69.75	70.00	7.00	32
56X72X11.5	S	2.205	2.756	2.764	.315	35			2.283	2.746	2.756	.276	
*56X73X10	S	56.00	70.00	70.20	8.00	35	*58X70X11	S	58.00	69.75	70.00	11.00	32
56X75X7	S	2.205	2.825	2.835	.315	32			2.283	2.746	2.756	.433	
*56X76X8	S	56.00	71.75	72.00	8.00	32	*58X72X9	S	58.00	71.75	72.00	9.00	32
*56X78X8	S	2.205	2.825	2.835	.315	32			2.283	2.825	2.835	.354	
*56X80X10	S	56.00	71.75	72.00	9.00	32	*58X72X10	S	58.00	71.75	72.00	10.00	32
56X80X8	S	2.205	2.825	2.835	.354	32			2.283	2.825	2.835	.394	
56X82X8	S	56.00	72.00	72.20	7.00	32	58X72X8	S	58.00	72.00	72.28	8.00	32
*56X85X10	S	2.205	2.835	2.843	.276	35			2.283	2.835	2.846	.315	
56X85X8	S	56.00	72.00	72.40	11.50	35	*58X72X8V	V	58.00	72.00	72.20	8.00	35
56X88X8	S	2.205	2.835	2.850	.453	35			2.283	2.835	2.843	.315	
56X90X8	S	56.00	72.75	73.00	10.00	32	*58X74X10	S	58.00	73.75	74.00	10.00	32
		2.205	2.864	2.874	.394	32			2.283	2.903	2.913	.394	
		56.00	75.00	75.20	7.00	32	58X75X7	S	58.00	75.00	75.26	7.00	32
		2.205	2.953	2.961	.276	32			2.283	2.953	2.963	.276	
		56.00	75.75	76.00	8.00	32	*58X75X9	S	58.00	74.75	75.00	9.00	32
		2.205	2.982	2.992	.315	32			2.283	2.943	2.953	.354	
		56.00	78.00	78.20	8.00	32	*58X75X10	S	58.00	74.75	75.00	10.00	32
		2.205	3.071	3.079	.315	32			2.283	2.943	2.953	.394	
		56.00	79.72	80.00	10.00	32	*58X75X12	S	58.00	74.75	75.00	12.00	32
		2.205	3.139	3.150	.394	32			2.283	2.943	2.953	.472	
		56.00	79.72	80.00	13.00	32	58X75X11	S	58.00	75.00	75.28	11.00	35
		2.205	3.139	3.150	.512	32			2.283	2.953	2.964	.433	
		56.00	80.00	80.28	8.00	32	*58X78X9	S	58.00	77.72	78.00	9.00	32
		2.205	3.150	3.161	.315	32			2.283	3.060	3.071	.354	
		56.00	82.00	82.20	8.00	32	*58X78X12	S	58.00	77.72	78.00	12.00	32
		2.205	3.228	3.236	.315	32			2.283	3.060	3.071	.472	
		56.00	84.72	85.00	10.00	32	*58X78X8	S	58.00	78.00	78.20	8.00	32
		2.205	3.335	3.346	.394	35			2.283	3.071	3.079	.315	
		56.00	85.00	85.28	8.00	35	*58X80X9	S	58.00	79.72	80.00	9.00	32
		2.205	3.346	3.357	.315	32			2.283	3.139	3.150	.354	
		56.00	88.00	88.20	8.00	32	*58X80X10	S	58.00	79.72	80.00	10.00	32
		2.205	3.465	3.472	.315	32			2.283	3.139	3.150	.394	
		56.00	90.00	90.20	8.00	32	*58X80X12	S	58.00	79.72	80.00	12.00	32
		2.205	3.543	3.551	.315	32			2.283	3.139	3.150	.472	
							*58X80X13	S	58.00	79.72	80.00	13.00	32
									2.283	3.139	3.150	.512	
							58X80X8	S	58.00	80.00	80.28	8.00	32
									2.283	3.150	3.161	.315	
							*58X80X8V	V	58.00	80.00	80.20	8.00	35
									2.283	3.150	3.157	.315	
							*58X82X12	S	58.00	81.72	82.00	12.00	32
									2.283	3.217	3.228	.472	
							*58X82X8	S	58.00	82.00	82.20	8.00	32
									2.283	3.228	3.236	.315	
							*58X85X8	S	58.00	84.72	85.00	8.00	32
									2.283	3.335	3.346	.315	

For Illustration and Material Data See Technical Section

↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*58X85X12	S	58,00	84,72	85,00	12,00	32	60X85X8	S	60,00	85,00	85,28	8,00	32
		2.283	3.335	3.346	.472				2.362	3.346	3.357	.315	
58X85X10	S	58,00	85,00	85,28	10,00	35	*60X85X8V	V	60,00	85,00	85,20	8,00	32
		2.283	3.346	3.357	.394				2.362	3.346	3.354	.315	
58X85X13	S	58,00	85,00	85,25	13,00	32	60X85X12	S	60,00	85,00	85,20	12,00	32
		2.283	3.346	3.356	.512				2.362	3.346	3.354	.472	
58X88X8	S	58,00	88,00	88,20	8,00	32	*60X86X10	S	60,00	85,72	86,00	10,00	32
		2.283	3.465	3.472	.315				2.362	3.375	3.386	.394	
58X90X10	S	58,00	90,00	90,28	10,00	35	*60X88X8	S	60,00	88,00	88,20	8,00	32
		2.283	3.543	3.554	.394				2.362	3.465	3.472	.315	
*58X92X8	S	58,00	91,72	92,00	8,00	32	*60X90X11	S	60,00	89,72	90,00	11,00	32
		2.283	3.611	3.622	.315				2.362	3.532	3.543	.433	
*60X70X10	S	60,00	69,75	70,00	10,00	32	*60X90X12	S	60,00	89,72	90,00	12,00	32
		2.362	2.746	2.756	.394				2.362	3.532	3.543	.472	
*60X70X12	S	60,00	69,75	70,00	12,00	32	*60X90X13	S	60,00	89,72	90,00	13,00	32
		2.362	2.746	2.756	.472				2.362	3.532	3.543	.512	
*60X72X9	S	60,00	71,75	72,00	9,00	32	60X90X8	S	60,00	90,00	90,25	8,00	32
		2.362	2.825	2.835	.354				2.362	3.543	3.553	.315	
*60X72X10	S	60,00	71,75	72,00	10,00	32	60X90X10	S	60,00	90,00	90,27	10,00	35
		2.362	2.825	2.835	.394				2.362	3.543	3.554	.394	
60X72X8	S	60,00	72,00	72,28	8,00	35	*60X95X10	S	60,00	94,72	95,00	10,00	32
		2.362	2.835	2.846	.315				2.362	3.729	3.740	.394	
*60X74X10	S	60,00	73,75	74,00	10,00	32	*60X95X12	S	60,00	94,72	95,00	12,00	32
		2.362	2.903	2.913	.394				2.362	3.729	3.740	.472	
*60X75X9	S	60,00	74,75	75,00	9,00	32	*60X95X13	S	60,00	94,72	95,00	13,00	32
		2.362	2.943	2.953	.354				2.362	3.729	3.740	.512	
*60X75X10	S	60,00	74,75	75,00	10,00	32	60X95X8	S	60,00	95,00	95,20	8,00	32
		2.362	2.943	2.953	.394				2.362	3.740	3.748	.315	
*60X75X12	S	60,00	74,75	75,00	12,00	32	*60X100X13	S	60,00	99,72	100,00	13,00	32
		2.362	2.943	2.953	.472				2.362	3.926	3.937	.512	
60X75X8	S	60,00	75,00	75,28	8,00	32	*60X100X8	S	60,00	100,00	100,20	8,00	32
		2.362	2.953	2.964	.315				2.362	3.937	3.945	.315	
*60X75X8V	V	60,00	75,00	75,20	8,00	32	60X100X10↔	N	60,00	100,00	100,20	10,00	32
		2.362	2.953	2.961	.315				2.362	3.937	3.945	.394	
*60X76X9	S	60,00	75,75	76,00	9,00	32	*60X104X12	S	60,00	103,72	104,00	12,00	32
		2.362	2.982	2.992	.354				2.362	4.083	4.094	.472	
*60X77X12	S	60,00	76,72	77,00	12,00	32	*60X105X8	S	60,00	105,00	105,20	8,00	32
		2.362	3.020	3.031	.472				2.362	4.134	4.142	.315	
*60X78X9	S	60,00	77,72	78,00	9,00	32	*60X110X12	S	60,00	109,72	110,00	12,00	32
		2.362	3.060	3.071	.354				2.362	4.320	4.331	.472	
*60X78X10	S	60,00	77,72	78,00	10,00	32	60X110X8	S	60,00	110,00	110,20	8,00	32
		2.362	3.060	3.071	.394				2.362	4.331	4.339	.315	
*60X78X8	S	60,00	78,00	78,20	8,00	32	*60X79.5X10	S	60,00	79,22	79,50	10,00	32
		2.362	3.071	3.079	.315				2.362	3.119	3.130	.394	
*60X80X9	S	60,00	79,72	80,00	9,00	32	*60.5X78X10	S	60,50	77,72	78,00	10,00	32
		2.362	3.139	3.150	.354				2.382	3.060	3.071	.394	
*60X80X10	S	60,00	79,72	80,00	10,00	32	*62X75X10	S	62,00	74,75	75,00	10,00	32
		2.362	3.139	3.150	.394				2.441	2.943	2.953	.394	
*60X80X12	S	60,00	79,72	80,00	12,00	32	*62X75X12	S	62,00	74,75	75,00	12,00	32
		2.362	3.139	3.150	.472				2.441	2.943	2.953	.472	
*60X80X13	S	60,00	79,72	80,00	13,00	32	*62X78X10	S	62,00	77,72	78,00	10,00	32
		2.362	3.139	3.150	.512				2.441	3.060	3.071	.394	
60X80X8	S	60,00	80,00	80,20	8,00	32	*62X78X8	S	62,00	78,00	78,20	8,00	32
		2.362	3.150	3.157	.315				2.441	3.071	3.079	.315	
*60X80X8V	V	60,00	80,00	80,20	8,00	32	*62X80X12	S	62,00	79,72	80,00	12,00	32
		2.362	3.150	3.157	.315				2.441	3.139	3.150	.472	
*60X82X9	S	60,00	81,72	82,00	9,00	32	62X80X9	S	62,00	80,00	80,20	9,00	32
		2.362	3.217	3.228	.354				2.441	3.150	3.157	.315	
60X82X7	S	60,00	82,00	82,20	7,00	32	62X80X10	S	62,00	80,00	80,28	10,00	32
		2.362	3.228	3.236	.276				2.441	3.150	3.161	.394	
60X82X12	S	60,00	82,00	82,30	12,00	35	*62X80X10V	V	62,00	80,00	80,20	10,00	35
		2.362	3.228	3.240	.472				2.441	3.150	3.157	.394	
*60X84X10	S	60,00	83,72	84,00	10,00	32	*62X82X10	S	62,00	81,72	82,00	10,00	32
		2.362	3.296	3.307	.394				2.441	3.217	3.228	.394	
*60X85X6	S	60,00	84,72	85,00	6,00	32	*62X82X8	S	62,00	82,00	82,20	8,00	32
		2.362	3.335	3.346	.236				2.441	3.228	3.236	.315	
*60X85X10	S	60,00	84,72	85,00	10,00	32	*62X85X10	S	62,00	84,72	85,00	10,00	32
		2.362	3.335	3.346	.394				2.441	3.335	3.346	.394	
*60X85X13	S	60,00	84,72	85,00	13,00	32	*62X85X12	S	62,00	84,72	85,00	12,00	32
		2.362	3.335	3.346	.512				2.441	3.335	3.346	.472	

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↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*62X85X13	S	62,00	84,72	85,00	13,00	32	*64X120X12	S	64,00	119,72	120,00	12,00	32
		2.441	3.335	3.346	.512				2.520	4.713	4.724	.472	
62X85X8	S	62,00	85,00	85,13	8,00	41	*65X75X8	S	65,00	74,75	75,00	8,00	32
		2.441	3.346	3.352	.315				2.559	2.943	2.953	.315	
62X88X8	S	62,00	88,00	88,20	8,00	32	*65X75X10	S	65,00	74,75	75,00	10,00	32
		2.441	3.465	3.472	.315				2.559	2.943	2.953	.394	
*62X89X12	S	62,00	88,72	89,00	12,00	32	*65X75X12	S	65,00	74,75	75,00	12,00	32
		2.441	3.493	3.504	.472				2.559	2.943	2.953	.472	
*62X90X13	S	62,00	89,72	90,00	13,00	32	*65X78X12	S	65,00	77,72	78,00	12,00	32
		2.441	3.532	3.543	.512				2.559	3.060	3.071	.472	
62X90X10	S	62,00	90,00	90,28	10,00	32	*65X80X10	S	65,00	79,72	80,00	10,00	32
		2.441	3.543	3.554	.394				2.559	3.139	3.150	.394	
62X92X8	S	62,00	92,00	92,20	8,00	32	*65X80X12	S	65,00	79,72	80,00	12,00	32
		2.441	3.622	3.630	.315				2.559	3.139	3.150	.472	
*62X95X12	S	62,00	94,72	95,00	12,00	32	65X80X8	S	65,00	80,00	80,28	8,00	32
		2.441	3.729	3.740	.472				2.559	3.150	3.161	.315	
*62X100X10	S	62,00	99,72	100,00	10,00	32	*65X80X8V	V	65,00	80,00	80,20	8,00	32
		2.441	3.926	3.937	.394				2.559	3.150	3.157	.315	
*62X100X12	S	62,00	99,72	100,00	12,00	32	*65X82X9	S	65,00	81,72	82,00	9,00	32
		2.441	3.926	3.937	.472				2.559	3.217	3.228	.354	
62X100X7	S	62,00	100,00	100,30	7,00	32	*65X82X12	S	65,00	81,72	82,00	12,00	32
		2.441	3.937	3.949	.276				2.559	3.217	3.228	.472	
*62X100X8	S	62,00	100,00	100,20	8,00	32	*65X82X8	S	65,00	82,00	82,20	8,00	32
		2.441	3.937	3.945	.315				2.559	3.228	3.236	.315	
*62X110X13	S	62,00	109,72	110,00	13,00	32	*65X85X12	S	65,00	84,72	85,00	12,00	32
		2.441	4.320	4.331	.512				2.559	3.335	3.346	.472	
*63X78X8	S	63,00	78,00	78,20	8,00	32	*65X85X13	S	65,00	84,72	85,00	13,00	32
		2.480	3.071	3.079	.315				2.559	3.335	3.346	.512	
*63X80X9	S	63,00	79,72	80,00	9,00	32	65X85X8	S	65,00	85,00	85,20	8,00	35
		2.480	3.139	3.150	.354				2.559	3.346	3.354	.315	
*63X80X8	S	63,00	80,00	80,20	8,00	32	*65X85X8V	V	65,00	85,00	85,20	8,00	35
		2.480	3.150	3.157	.315				2.559	3.346	3.354	.315	
*63X82X8	S	63,00	82,00	82,20	8,00	32	65X85X10	S	65,00	85,00	85,27	10,00	32
		2.480	3.228	3.236	.315				2.559	3.346	3.357	.394	
63X85X7	S	63,00	85,00	85,27	7,00	32	*65X88X12	S	65,00	87,72	88,00	12,00	32
		2.480	3.346	3.357	.276				2.559	3.454	3.465	.472	
*63X85X12	S	63,00	84,72	85,00	12,00	32	*65X88X13	S	65,00	87,72	88,00	13,00	32
		2.480	3.335	3.346	.472				2.559	3.454	3.465	.512	
63X85X10	S	63,00	85,00	85,28	10,00	32	65X88X8	S	65,00	88,00	88,20	8,00	35
		2.480	3.346	3.357	.394				2.559	3.465	3.472	.315	
*63X88X12	S	63,00	87,72	88,00	12,00	32	65X88X10	S	65,00	88,00	88,20	10,00	32
		2.480	3.454	3.465	.472				2.559	3.465	3.472	.394	
*63X88X8	S	63,00	88,00	88,20	8,00	32	*65X90X8	S	65,00	89,72	90,00	8,00	32
		2.480	3.465	3.472	.315				2.559	3.532	3.543	.315	
63X90X7	S	63,00	90,00	90,27	7,00	32	*65X90X12	S	65,00	89,72	90,00	12,00	32
		2.480	3.543	3.554	.276				2.559	3.532	3.543	.472	
*63X90X12	S	63,00	89,72	90,00	12,00	32	65X90X7	S	65,00	90,00	90,20	7,00	32
		2.480	3.532	3.543	.472				2.559	3.543	3.551	.276	
63X90X10	S	63,00	90,00	90,14	10,00	32	65X90X10	S	65,00	90,00	90,28	10,00	32
		2.480	3.543	3.549	.394				2.559	3.543	3.554	.394	
*63X100X10	S	63,00	99,72	100,00	10,00	32	*65X90X10V	V	65,00	90,00	90,20	10,00	32
		2.480	3.926	3.937	.394				2.559	3.543	3.551	.394	
*63X100X13	S	63,00	99,72	100,00	13,00	32	65X90X13	S	65,00	90,00	90,20	13,00	35
		2.480	3.926	3.937	.512				2.559	3.543	3.551	.512	
*63X82.5X10	S	63,00	82,22	82,50	10,00	32	*65X95X10	S	65,00	94,72	95,00	10,00	32
		2.480	3.237	3.248	.394				2.559	3.729	3.740	.394	
*63.5X85X12	S	63,50	84,72	85,00	12,00	32	*65X95X12	S	65,00	94,72	95,00	12,00	32
		2.500	3.335	3.346	.472				2.559	3.729	3.740	.472	
*64X80X12	S	64,00	79,72	80,00	12,00	32	*65X95X13	S	65,00	94,72	95,00	13,00	32
		2.520	3.139	3.150	.472				2.559	3.729	3.740	.512	
*64X80X13	S	64,00	79,72	80,00	13,00	32	*65X95X14	S	65,00	94,72	95,00	14,00	32
		2.520	3.139	3.150	.512				2.559	3.729	3.740	.551	
64X80X8	S	64,00	80,00	80,28	8,00	32	65X95X7	S	65,00	95,00	95,20	7,00	32
		2.520	3.150	3.161	.315				2.559	3.740	3.748	.276	
*64X85X10	S	64,00	84,72	85,00	10,00	32	*65X95X8	S	65,00	95,00	95,20	8,00	32
		2.520	3.335	3.346	.394				2.559	3.740	3.748	.315	
*64X85X12	S	64,00	84,72	85,00	12,00	32	*65X100X12	S	65,00	99,72	100,00	12,00	32
		2.520	3.335	3.346	.472				2.559	3.926	3.937	.472	
*64X90X13	S	64,00	90,00	90,28	13,00	32	*65X100X13	S	65,00	99,72	100,00	13,00	32
		2.520	3.543	3.554	.512				2.559	3.926	3.937	.512	

For Illustration and Material Data See Technical Section
 * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
65X100X7	S	65,00	100,00	100,30	7,00	32	68X100X10	S	68,00	100,00	100,20	10,00	35
		2.559	3.937	3.949	.276				2.677	3.937	3.945	.394	
*65X100X9.5	S	65,00	99,72	100,00	9,50	32	68X100X13	S	68,00	100,00	100,28	13,00	32
		2.559	3.926	3.937	.374				2.677	3.937	3.948	.512	
65X100X10	S	65,00	100,00	100,28	10,00	35	*69X92X12	S	69,00	91,72	92,00	12,00	32
		2.559	3.937	3.948	.394				2.717	3.611	3.622	.472	
*65X100X10V	V	65,00	100,00	100,20	10,00	35	*70X80X10	S	70,00	79,72	80,00	10,00	32
		2.559	3.937	3.945	.394				2.756	3.139	3.150	.394	
*65X102X13	S	65,00	101,72	102,00	13,00	32	*70X83X10	S	70,00	82,72	83,00	10,00	32
		2.559	4.005	4.016	.512				2.756	3.257	3.268	.394	
*65X105X12	S	65,00	104,72	105,00	12,00	32	*70X85X9	S	70,00	84,72	85,00	9,00	32
		2.559	4.123	4.134	.472				2.756	3.335	3.346	.354	
*65X105X8	S	65,00	105,00	105,20	8,00	32	*70X85X10	S	70,00	84,72	85,00	10,00	32
		2.559	4.134	4.142	.315				2.756	3.335	3.346	.394	
*65X110X10	S	65,00	109,72	110,00	10,00	32	70X85X8	S	70,00	85,00	85,28	8,00	35
		2.559	4.320	4.331	.394				2.756	3.346	3.357	.315	
*65X110X12	S	65,00	109,72	110,00	12,00	32	*70X87X10	S	70,00	86,72	87,00	10,00	32
		2.559	4.320	4.331	.472				2.756	3.414	3.425	.394	
*65X110X13	S	65,00	109,72	110,00	13,00	32	*70X88X10	S	70,00	87,72	88,00	10,00	32
		2.559	4.320	4.331	.512				2.756	3.454	3.465	.394	
*65X110X8	S	65,00	110,00	110,20	8,00	32	70X88X8	S	70,00	88,00	88,25	8,00	48
		2.559	4.331	4.339	.315				2.756	3.465	3.474	.315	
*65X115X12	S	65,00	114,72	115,00	12,00	32	*70X88X9V	V	70,00	88,00	88,20	9,00	35
		2.559	4.517	4.528	.472				2.756	3.465	3.472	.354	
*65X115X13	S	65,00	114,72	115,00	13,00	32	70X88X12	S	70,00	88,00	88,25	12,00	32
		2.559	4.517	4.528	.512				2.756	3.465	3.474	.472	
*65X115X8	S	65,00	115,00	115,20	8,00	32	*70X90X8	S	70,00	89,72	90,00	8,00	32
		2.559	4.528	4.535	.315				2.756	3.532	3.543	.315	
*65X120X13	S	65,00	119,72	120,00	13,00	32	*70X90X12	S	70,00	89,72	90,00	12,00	32
		2.559	4.713	4.724	.512				2.756	3.532	3.543	.472	
*65X120X8	S	65,00	120,00	120,20	8,00	32	*70X90X13	S	70,00	89,72	90,00	13,00	32
		2.559	4.724	4.732	.315				2.756	3.532	3.543	.512	
*65X140X14	S	65,00	139,70	140,00	14,00	32	70X90X7	S	70,00	90,00	90,20	7,00	32
		2.559	5.500	5.512	.551				2.756	3.543	3.551	.276	
*67X82X7	S	67,00	81,72	82,00	7,00	32	70X90X10	S	70,00	90,00	90,32	10,00	32
		2.638	3.217	3.228	.276				2.756	3.543	3.556	.394	
68X82X7	S	68,00	82,00	82,20	7,00	32	*70X90X10V	V	70,00	90,00	90,20	10,00	32
		2.677	3.228	3.236	.276				2.756	3.543	3.551	.394	
*68X85X10	S	68,00	84,72	85,00	10,00	32	70X92X12	S	70,00	92,00	92,20	12,00	32
		2.677	3.335	3.346	.394				2.756	3.622	3.630	.472	
68X85X8	S	68,00	85,00	85,20	8,00	35	*70X95X12	S	70,00	94,72	95,00	12,00	32
		2.677	3.346	3.354	.315				2.756	3.729	3.740	.472	
*68X88X8	S	68,00	88,00	88,20	8,00	32	70X95X10	S	70,00	95,00	95,28	10,00	32
		2.677	3.465	3.472	.315				2.756	3.740	3.751	.394	
*68X90X8	S	68,00	89,72	90,00	8,00	32	*70X95X10V	V	70,00	95,00	95,20	10,00	35
		2.677	3.532	3.543	.315				2.756	3.740	3.748	.394	
*68X90X12	S	68,00	89,72	90,00	12,00	32	70X95X13	S	70,00	95,00	95,28	13,00	35
		2.677	3.532	3.543	.472				2.756	3.740	3.751	.512	
*68X90X13	S	68,00	89,72	90,00	13,00	32	*70X100X12	S	70,00	99,72	100,00	12,00	32
		2.677	3.532	3.543	.512				2.756	3.926	3.937	.472	
68X90X7	S	68,00	90,00	90,20	7,00	32	*70X100X14	S	70,00	99,72	100,00	14,00	32
		2.677	3.543	3.551	.276				2.756	3.926	3.937	.551	
68X90X10	S	68,00	90,00	90,32	10,00	32	70X100X10	S	70,00	100,00	100,20	10,00	32
		2.677	3.543	3.556	.394				2.756	3.937	3.945	.394	
*68X90X10V	V	68,00	90,00	90,20	10,00	32	*70X100X10V	V	70,00	100,00	100,20	10,00	35
		2.677	3.543	3.551	.394				2.756	3.937	3.945	.394	
68X95X7	S	68,00	95,00	95,28	7,00	32	70X100X13	S	70,00	100,00	100,28	13,00	32
		2.677	3.740	3.751	.276				2.756	3.937	3.948	.512	
*68X95X13	S	68,00	94,72	95,00	13,00	32	*70X102X13	S	70,00	101,72	102,00	13,00	32
		2.677	3.729	3.740	.512				2.756	4.005	4.016	.512	
*68X95X8	S	68,00	95,00	95,20	8,00	32	*70X105X12	S	70,00	104,72	105,00	12,00	32
		2.677	3.740	3.748	.315				2.756	4.123	4.134	.472	
68X95X10	S	68,00	95,00	95,20	10,00	35	70X105X7	S	70,00	105,00	105,30	7,00	32
		2.677	3.740	3.748	.394				2.756	4.134	4.146	.276	
*68X98X10	S	68,00	97,72	98,00	10,00	32	*70X105X10	S	70,00	105,00	105,20	10,00	32
		2.677	3.847	3.858	.394				2.756	4.134	4.142	.394	
68X100X7	S	68,00	100,00	100,28	7,00	32	70X105X13	S	70,00	105,00	105,20	13,00	35
		2.677	3.937	3.948	.276				2.756	4.134	4.142	.512	
*68X100X12	S	68,00	99,72	100,00	12,00	32	*70X110X12	S	70,00	109,72	110,00	12,00	32
		2.677	3.926	3.937	.472				2.756	4.320	4.331	.472	

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*70X110X13	S	70,00	109,72	110,00	13,00	32	*75X100X10V	V	75,00	100,00	100,20	10,00	32
		2.756	4.320	4.331	.512				2.953	3.937	3.945	.394	
70X110X10	S	70,00	110,00	110,20	10,00	35	75X100X12	S	75,00	100,00	100,27	12,00	32
		2.756	4.331	4.339	.394				2.953	3.937	3.948	.472	
*70X112X13	S	70,00	111,72	112,00	13,00	32	*75X102X13	S	75,00	101,72	102,00	13,00	32
		2.756	4.398	4.409	.512				2.953	4.005	4.016	.512	
*70X115X13	S	70,00	114,72	115,00	13,00	32	*75X105X15	S	75,00	104,72	105,00	15,00	32
		2.756	4.517	4.528	.512				2.953	4.123	4.134	.591	
*70X115X15	S	70,00	114,72	115,00	15,00	32	75X105X13	S	75,00	105,00	105,27	13,00	32
		2.756	4.517	4.528	.591				2.953	4.134	4.144	.512	
*70X120X13	S	70,00	119,72	120,00	13,00	32	*75X106X10	S	75,00	105,72	106,00	10,00	32
		2.756	4.713	4.724	.512				2.953	4.162	4.173	.394	
*71X88X8	S	71,00	87,72	88,00	8,00	32	*75X110X13	S	75,00	109,72	110,00	13,00	32
		2.795	3.454	3.465	.315				2.953	4.320	4.331	.512	
*72X86X7.5	S	72,00	85,72	86,00	7,50	32	*75X110X10	S	75,00	110,00	110,20	10,00	32
		2.835	3.375	3.386	.295				2.953	4.331	4.339	.394	
*72X90X8	S	72,00	89,72	90,00	8,00	32	75X110X12	S	75,00	110,00	110,20	12,00	32
		2.835	3.532	3.543	.315				2.953	4.331	4.339	.472	
72X90X10	S	72,00	90,00	90,20	10,00	35	*75X115X13	S	75,00	114,72	115,00	13,00	32
		2.835	3.543	3.551	.394				2.953	4.517	4.528	.512	
*72X92X12	S	72,00	91,72	92,00	12,00	32	*75X115X9.5	S	75,00	114,72	115,00	9,50	32
		2.835	3.611	3.622	.472				2.953	4.517	4.528	.374	
*72X94X12	S	72,00	93,72	94,00	12,00	32	*75X115X10	S	75,00	115,00	115,20	10,00	32
		2.835	3.690	3.701	.472				2.953	4.528	4.535	.394	
*72X95X12	S	72,00	94,72	95,00	12,00	32	75X115X12	S	75,00	115,00	115,30	12,00	35
		2.835	3.729	3.740	.472				2.953	4.528	4.539	.472	
*72X95X13	S	72,00	94,72	95,00	13,00	32	*75X120X12	S	75,00	119,72	120,00	12,00	32
		2.835	3.729	3.740	.512				2.953	4.713	4.724	.472	
72X95X10	S	72,00	95,00	95,28	10,00	32	75X120X10	S	75,00	120,00	120,20	10,00	32
		2.835	3.740	3.751	.394				2.953	4.724	4.732	.394	
72X100X10	S	72,00	100,00	100,20	10,00	35	*75X134X10	S	75,00	133,70	134,00	10,00	32
		2.835	3.937	3.945	.394				2.953	5.264	5.276	.394	
72X100X12↔	S	72,00	100,00	100,31	12,00	32	*76X92X10	S	76,00	91,72	92,00	10,00	32
		2.835	3.937	3.949	.472				2.992	3.611	3.622	.394	
*72X105X13	S	72,00	104,72	105,00	13,00	32	*76X94X12	S	76,00	93,72	94,00	12,00	32
		2.835	4.123	4.134	.512				2.992	3.690	3.701	.472	
*72X105X10	S	72,00	105,00	105,20	10,00	32	*76X105X12	S	76,00	104,72	105,00	12,00	32
		2.835	4.134	4.142	.394				2.992	4.123	4.134	.472	
*72X110X10	S	72,00	110,00	110,20	10,00	32	*76X105X13	S	76,00	104,72	105,00	13,00	32
		2.835	4.331	4.339	.394				2.992	4.123	4.134	.512	
*74X90X10	S	74,00	89,72	90,00	10,00	32	*77X100X10	S	77,00	99,72	100,00	10,00	32
		2.913	3.532	3.543	.394				3.031	3.926	3.937	.394	
*74X94X10	S	74,00	93,72	94,00	10,00	32	*78X95X10	S	78,00	95,00	95,20	10,00	32
		2.913	3.690	3.701	.394				3.071	3.740	3.748	.394	
*74X95X7	S	74,00	94,72	95,00	7,00	32	*78X100X13	S	78,00	99,72	100,00	13,00	32
		2.913	3.729	3.740	.276				3.071	3.926	3.937	.512	
*74X100X13	S	74,00	99,72	100,00	13,00	32	78X100X10	S	78,00	100,00	100,27	10,00	32
		2.913	3.926	3.937	.512				3.071	3.937	3.948	.394	
*75X90X12	S	75,00	89,72	90,00	12,00	32	78X105X10	S	78,00	105,00	105,20	10,00	32
		2.953	3.532	3.543	.472				3.071	4.134	4.142	.394	
75X90X8	S	75,00	90,00	90,20	8,00	32	*78X110X12	S	78,00	109,72	110,00	12,00	32
		2.953	3.543	3.551	.315				3.071	4.320	4.331	.472	
75X90X10	S	75,00	90,00	90,25	10,00	32	*78X110X13	S	78,00	109,72	110,00	13,00	32
		2.953	3.543	3.553	.394				3.071	4.320	4.331	.512	
*75X92X12	S	75,00	91,72	92,00	12,00	32	*78X110X10	S	78,00	110,00	110,20	10,00	32
		2.953	3.611	3.622	.472				3.071	4.331	4.339	.394	
*75X95X8	S	75,00	94,72	95,00	8,00	32	78X115X10	S	78,00	115,00	115,20	10,00	32
		2.953	3.729	3.740	.315				3.071	4.528	4.535	.394	
*75X95X12	S	75,00	94,72	95,00	12,00	32	*80X95X8	S	80,00	94,72	95,00	8,00	32
		2.953	3.729	3.740	.472				3.150	3.729	3.740	.315	
*75X95X13	S	75,00	94,72	95,00	13,00	32	*80X98X10	S	80,00	97,72	98,00	10,00	32
		2.953	3.729	3.740	.512				3.150	3.847	3.858	.394	
75X95X10	S	75,00	95,00	95,28	10,00	32	*80X100X8	S	80,00	99,72	100,00	8,00	32
		2.953	3.740	3.751	.394				3.150	3.926	3.937	.315	
*75X95X10V	V	75,00	95,00	95,20	10,00	32	*80X100X12	S	80,00	99,72	100,00	12,00	32
		2.953	3.740	3.748	.394				3.150	3.926	3.937	.472	
*75X100X13	S	75,00	99,72	100,00	13,00	32	*80X100X13	S	80,00	99,72	100,00	13,00	32
		2.953	3.926	3.937	.512				3.150	3.926	3.937	.512	
75X100X10	S	75,00	100,00	100,20	10,00	32	80X100X10	S	80,00	100,00	100,20	10,00	35
		2.953	3.937	3.945	.394				3.150	3.937	3.945	.394	

For Illustration and Material Data See Technical Section

↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*80X100X10V	V	80,00	100,00	100,20	10,00	32	85X105X13	S	85,00	105,00	105,28	13,00	32
		3.150	3.937	3.945	.394				3.346	4.134	4.145	.512	
*80X105X12	S	80,00	104,72	105,00	12,00	32	*85X110X13	S	85,00	109,72	110,00	13,00	32
		3.150	4.123	4.134	.472				3.346	4.320	4.331	.512	
80X105X10	S	80,00	105,00	105,20	10,00	32	85X110X10	S	85,00	110,00	110,20	10,00	35
		3.150	4.134	4.142	.394				3.346	4.331	4.339	.394	
*80X105X12V	V	80,00	105,00	105,20	12,00	35	85X110X12	S	85,00	110,00	110,28	12,00	32
		3.150	4.134	4.142	.472				3.346	4.331	4.342	.472	
80X105X13	S	80,00	105,00	105,27	13,00	32	*85X110X12V	V	85,00	110,00	110,20	12,00	32
		3.150	4.134	4.144	.512				3.346	4.331	4.339	.472	
*80X105X14	S	80,00	105,00	105,27	14,00	32	*85X111X10	S	85,00	110,72	111,00	10,00	32
		3.150	4.134	4.144	.551				3.346	4.359	4.370	.394	
*80X110X13	S	80,00	109,72	110,00	13,00	32	85X115X7	S	85,00	115,00	115,27	7,00	32
		3.150	4.320	4.331	.512				3.346	4.528	4.538	.276	
80X110X10	S	80,00	110,00	110,28	10,00	32	*85X115X15	S	85,00	114,72	115,00	15,00	32
		3.150	4.331	4.342	.394				3.346	4.517	4.528	.591	
*80X110X10V	V	80,00	110,00	110,20	10,00	32	*85X115X12	S	85,00	115,00	115,20	12,00	32
		3.150	4.331	4.339	.394				3.346	4.528	4.535	.472	
80X110X12	S	80,00	110,00	110,28	12,00	35	85X115X13	S	85,00	115,00	115,00	13,00	35
		3.150	4.331	4.342	.472				3.346	4.528	4.528	.512	
*80X115X10	S	80,00	114,72	115,00	10,00	32	*85X120X10	S	85,00	119,72	120,00	10,00	32
		3.150	4.517	4.528	.394				3.346	4.713	4.724	.394	
*80X115X13	S	80,00	114,72	115,00	13,00	32	*85X120X13	S	85,00	119,72	120,00	13,00	32
		3.150	4.517	4.528	.512				3.346	4.713	4.724	.512	
*80X115X12	S	80,00	115,00	115,20	12,00	32	*85X120X15	S	85,00	119,72	120,00	15,00	32
		3.150	4.528	4.535	.472				3.346	4.713	4.724	.591	
80X120X10	S	80,00	120,00	120,20	10,00	32	85X120X12	S	85,00	120,00	120,28	12,00	32
		3.150	4.724	4.732	.394				3.346	4.724	4.735	.472	
80X120X13	S	80,00	120,00	120,28	13,00	32	*85X125X13	S	85,00	124,72	125,00	13,00	32
		3.150	4.724	4.735	.512				3.346	4.910	4.921	.512	
80X125X7	S	80,00	125,00	125,27	7,00	32	*85X125X14	S	85,00	124,72	125,00	14,00	32
		3.150	4.921	4.932	.276				3.346	4.910	4.921	.551	
*80X125X10	S	80,00	124,72	125,00	10,00	32	85X125X12	S	85,00	125,00	125,20	12,00	32
		3.150	4.910	4.921	.394				3.346	4.921	4.929	.472	
*80X125X13	S	80,00	124,72	125,00	13,00	32	*85X130X12	S	85,00	129,70	130,00	12,00	32
		3.150	4.910	4.921	.512				3.346	5.106	5.118	.472	
*80X125X14	S	80,00	124,72	125,00	14,00	32	*85X130X14	S	85,00	129,70	130,00	14,00	32
		3.150	4.910	4.921	.551				3.346	5.106	5.118	.551	
*80X125X12	S	80,00	125,00	125,20	12,00	32	85X130X13	S	85,00	130,00	130,15	12,70	48
		3.150	4.921	4.929	.472				3.346	5.118	5.124	.500	
*80X130X13	S	80,00	129,70	130,00	13,00	32	*85X140X12	S	85,00	139,70	140,00	12,00	32
		3.150	5.106	5.118	.512				3.346	5.500	5.512	.472	
*80X130X12	S	80,00	130,00	130,20	12,00	32	*85X114.5X12	S	85,00	114,22	114,50	12,00	32
		3.150	5.118	5.126	.472				3.346	4.497	4.508	.472	
*80X135X12	S	80,00	135,00	135,20	12,00	32	*86X100X10	S	86,00	99,72	100,00	10,00	32
		3.150	5.315	5.323	.472				3.386	3.926	3.937	.394	
*80X140X12	S	80,00	140,00	140,20	12,00	32	*88X108X11	S	88,00	107,72	108,00	11,00	32
		3.150	5.512	5.520	.472				3.465	4.241	4.252	.433	
82X105X13	S	82,00	105,00	105,25	13,00	25	88X110X12	S	88,00	110,00	110,28	12,00	35
		3.228	4.134	4.144	.512				3.465	4.331	4.342	.472	
*83X104X9	S	83,00	103,72	104,00	9,00	32	*88X115X12	S	88,00	115,00	115,20	12,00	32
		3.268	4.083	4.094	.354				3.465	4.528	4.535	.472	
*83X110X13	S	83,00	109,72	110,00	13,00	32	*88X120X12	S	88,00	120,00	120,20	12,00	32
		3.268	4.320	4.331	.512				3.465	4.724	4.732	.472	
*83X117X14	S	83,00	116,72	117,00	14,00	32	*90X100X7	S	90,00	99,72	100,00	7,00	32
		3.268	4.595	4.606	.551				3.543	3.926	3.937	.276	
*84X100X10	S	84,00	99,72	100,00	10,00	32	*90X100X12	S	90,00	99,72	100,00	12,00	32
		3.307	3.926	3.937	.394				3.543	3.926	3.937	.472	
*84X100X12	S	84,00	100,00	100,20	12,00	32	*90X105X12	S	90,00	104,72	105,00	12,00	32
		3.307	3.937	3.945	.472				3.543	4.123	4.134	.472	
*85X100X9	S	85,00	99,72	100,00	9,00	32	*90X105X13	S	90,00	104,72	105,00	13,00	32
		3.346	3.926	3.937	.354				3.543	4.123	4.134	.512	
*85X100X10	S	85,00	99,72	100,00	10,00	32	*90X110X10	S	90,00	109,72	110,00	10,00	32
		3.346	3.926	3.937	.394				3.543	4.320	4.331	.394	
*85X100X12	S	85,00	99,72	100,00	12,00	32	90X110X12	S	90,00	110,00	110,20	12,00	35
		3.346	3.926	3.937	.472				3.543	4.331	4.339	.472	
*85X105X12	S	85,00	104,72	105,00	12,00	32	*90X110X12V	V	90,00	110,00	110,20	12,00	32
		3.346	4.123	4.134	.472				3.543	4.331	4.339	.472	
85X105X10	S	85,00	105,00	105,28	10,00	32	*90X110X13	S	90,00	110,00	110,31	13,00	35
		3.346	4.134	4.145	.394				3.543	4.331	4.343	.512	

For Illustration and Material Data See Technical Section
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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*90X112X12	S	90,00	111,72	112,00	12,00	32	95X125X12	S	95,00	125,00	125,28	12,00	35
		3.543	4.398	4.409	.472				3.740	4.921	4.932	.472	
*90X115X10	S	90,00	114,72	115,00	10,00	32	*95X130X13	S	95,00	129,70	130,00	13,00	32
		3.543	4.517	4.528	.394				3.740	5.106	5.118	.512	
*90X115X13	S	90,00	114,72	115,00	13,00	32	95X130X12	S	95,00	130,00	130,28	12,00	32
		3.543	4.517	4.528	.512				3.740	5.118	5.129	.472	
90X115X12	S	90,00	115,00	115,20	12,00	32	*95X135X13	S	95,00	134,70	135,00	13,00	32
		3.543	4.528	4.535	.472				3.740	5.303	5.315	.512	
*90X118X12	S	90,00	117,72	118,00	12,00	32	*95.25X120.65X12.7S		95,25	120,37	120,65	12,70	32
		3.543	4.635	4.646	.472				3.750	4.739	4.750	.500	
*90X120X13	S	90,00	119,72	120,00	13,00	32	98X120X13	S	98,00	120,00	120,20	13,00	35
		3.543	4.713	4.724	.512				3.858	4.724	4.732	.512	
90X120X12↔→	S	90,00	120,00	120,28	12,00	32	*100X114X10	S	100,00	113,72	114,00	10,00	32
		3.543	4.724	4.735	.472				3.937	4.477	4.488	.394	
*90X120X12V	V	90,00	120,00	120,20	12,00	35	*100X115X9	S	100,00	114,72	115,00	9,00	32
		3.543	4.724	4.732	.472				3.937	4.517	4.528	.354	
*90X125X15	S	90,00	124,72	125,00	15,00	32	*100X115X10	S	100,00	114,72	115,00	10,00	32
		3.543	4.910	4.921	.591				3.937	4.517	4.528	.394	
90X125X7	S	90,00	125,00	125,70	7,00	32	*100X115X12	S	100,00	114,72	115,00	12,00	32
		3.543	4.921	4.949	.276				3.937	4.517	4.528	.472	
*90X125X12	S	90,00	125,00	125,20	12,00	32	*100X120X11	S	100,00	119,72	120,00	11,00	32
		3.543	4.921	4.929	.472				3.937	4.713	4.724	.433	
90X125X13	S	90,00	125,00	125,30	13,00	32	*100X120X13	S	100,00	119,72	120,00	13,00	32
		3.543	4.921	4.933	.512				3.937	4.713	4.724	.512	
*90X130X10	S	90,00	129,70	130,00	10,00	32	100X120X10	S	100,00	120,00	120,30	10,00	35
		3.543	5.106	5.118	.394				3.937	4.724	4.736	.394	
*90X130X13	S	90,00	129,70	130,00	13,00	32	100X120X12	S	100,00	120,00	120,28	12,00	32
		3.543	5.106	5.118	.512				3.937	4.724	4.735	.472	
*90X130X12	S	90,00	130,00	130,20	12,00	32	*100X120X12V	V	100,00	120,00	120,20	12,00	32
		3.543	5.118	5.126	.472				3.937	4.724	4.732	.472	
*90X135X13	S	90,00	134,70	135,00	13,00	32	*100X125X10	S	100,00	124,72	125,00	10,00	32
		3.543	5.303	5.315	.512				3.937	4.910	4.921	.394	
*90X135X12	S	90,00	135,00	135,20	12,00	32	*100X125X13	S	100,00	124,72	125,00	13,00	32
		3.543	5.315	5.323	.472				3.937	4.910	4.921	.512	
*90X140X12	S	90,00	140,00	140,20	12,00	32	100X125X12	S	100,00	125,00	125,28	12,00	32
		3.543	5.512	5.520	.472				3.937	4.921	4.932	.472	
90X145X14	S	90,00	145,00	145,20	14,00	32	*100X125X12V	V	100,00	125,00	125,20	12,00	35
		3.543	5.709	5.717	.551				3.937	4.921	4.929	.472	
*90X160X10	S	90,00	159,70	160,00	10,00	32	*100X127X10	S	100,00	126,72	127,00	10,00	32
		3.543	6.287	6.299	.394				3.937	4.989	5.000	.394	
*90X112.7X13	S	90,00	112,42	112,70	13,00	32	*100X130X10	S	100,00	129,70	130,00	10,00	32
		3.543	4.426	4.437	.512				3.937	5.106	5.118	.394	
*92X120X12	S	92,00	119,72	120,00	12,00	32	*100X130X13	S	100,00	129,70	130,00	13,00	32
		3.622	4.713	4.724	.472				3.937	5.106	5.118	.512	
92X120X13	S	92,00	120,00	120,24	13,00	35	100X130X12	S	100,00	130,00	130,28	12,00	32
		3.622	4.724	4.734	.512				3.937	5.118	5.129	.472	
*95X105X13	S	95,00	104,72	105,00	13,00	32	*100X130X12V	V	100,00	130,00	130,20	12,00	32
		3.740	4.123	4.134	.512				3.937	5.118	5.126	.472	
*95X110X11	S	95,00	109,72	110,00	11,00	32	*100X135X12	S	100,00	134,70	135,00	12,00	32
		3.740	4.320	4.331	.433				3.937	5.303	5.315	.472	
*95X110X12	S	95,00	109,72	110,00	12,00	32	*100X135X13	S	100,00	134,70	135,00	13,00	32
		3.740	4.320	4.331	.472				3.937	5.303	5.315	.512	
95X110X10	S	95,00	110,00	110,20	10,00	32	*100X135X14	S	100,00	134,70	135,00	14,00	32
		3.740	4.331	4.339	.394				3.937	5.303	5.315	.551	
95X115X12	S	95,00	115,00	115,28	12,00	35	*100X140X12	S	100,00	139,70	140,00	12,00	32
		3.740	4.528	4.539	.472				3.937	5.500	5.512	.472	
*95X115X13	S	95,00	115,00	115,28	13,00	35	*100X140X13	S	100,00	139,70	140,00	13,00	32
		3.740	4.528	4.539	.512				3.937	5.500	5.512	.512	
*95X115X13V	V	95,00	115,00	115,20	13,00	32	*100X150X10	S	100,00	149,70	150,00	10,00	32
		3.740	4.528	4.535	.512				3.937	5.894	5.906	.394	
*95X120X8	S	95,00	119,72	120,00	8,00	32	*100X150X13	S	100,00	149,70	150,00	13,00	32
		3.740	4.713	4.724	.315				3.937	5.894	5.906	.512	
*95X120X13	S	95,00	119,72	120,00	13,00	32	*102X125X12	S	102,00	125,00	125,20	12,00	32
		3.740	4.713	4.724	.512				4.016	4.921	4.929	.472	
95X120X12	S	95,00	120,00	120,28	12,00	32	102X130X13	S	102,00	130,00	130,28	13,00	35
		3.740	4.724	4.735	.472				4.016	5.118	5.129	.512	
*95X120X12V	V	95,00	120,00	120,20	12,00	35	*105X125X12	S	105,00	124,72	125,00	12,00	32
		3.740	4.724	4.732	.472				4.134	4.910	4.921	.472	
*95X125X13	S	95,00	124,72	125,00	13,00	32	105X125X13	S	105,00	125,00	125,28	13,00	32
		3.740	4.910	4.921	.512				4.134	4.921	4.932	.512	

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↔→ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
*105X130X13	S	105,00	129,70	130,00	13,00	32	*110X170X12	S	110,00	169,70	170,00	12,00	32
		4.134	5.106	5.118	.512				4.331	6.681	6.693	.472	
*105X130X15	S	105,00	129,70	130,00	15,00	32	*112X135X15	S	112,00	135,00	135,20	15,00	32
		4.134	5.106	5.118	.591				4.409	5.315	5.323	.591	
105X130X12	S	105,00	130,00	130,28	12,00	32	112X140X13	S	112,00	140,00	140,32	13,00	35
		4.134	5.118	5.129	.472				4.409	5.512	5.524	.512	
*105X130X12V	V	105,00	130,00	130,20	12,00	32	*112X142X14	S	112,00	141,70	142,00	14,00	32
		4.134	5.118	5.126	.472				4.409	5.579	5.591	.551	
*105X135X13	S	105,00	134,70	135,00	13,00	32	*112X145X15	S	112,00	145,00	145,20	15,00	32
		4.134	5.303	5.315	.512				4.409	5.709	5.717	.591	
*105X135X14	S	105,00	134,70	135,00	14,00	32	*112X150X15	S	112,00	150,00	150,20	15,00	32
		4.134	5.303	5.315	.551				4.409	5.906	5.913	.591	
*105X135X15	S	105,00	134,70	135,00	15,00	32	114X140X13	S	114,00	140,00	140,28	13,00	32
		4.134	5.303	5.315	.591				4.488	5.512	5.523	.512	
*105X135X12	S	105,00	135,00	135,20	12,00	32	*115X135X15	S	115,00	135,00	135,20	15,00	32
		4.134	5.315	5.323	.472				4.528	5.315	5.323	.591	
*105X140X13	S	105,00	139,70	140,00	13,00	32	*115X140X13	S	115,00	139,70	140,00	13,00	32
		4.134	5.500	5.512	.512				4.528	5.500	5.512	.512	
*105X140X15	S	105,00	139,70	140,00	15,00	32	*115X140X14	S	115,00	139,70	140,00	14,00	32
		4.134	5.500	5.512	.591				4.528	5.500	5.512	.551	
105X140X12	S	105,00	140,00	140,28	12,00	32	115X140X12	S	115,00	140,00	140,28	12,00	32
		4.134	5.512	5.523	.472				4.528	5.512	5.523	.472	
*105X145X15	S	105,00	144,70	145,00	15,00	32	*115X140X12V	V	115,00	140,00	140,20	12,00	35
		4.134	5.697	5.709	.591				4.528	5.512	5.520	.472	
*105X145X12	S	105,00	145,00	145,20	12,00	32	*115X145X16	S	115,00	144,70	145,00	16,00	32
		4.134	5.709	5.717	.472				4.528	5.697	5.709	.630	
*105X160X15	S	105,00	160,00	160,20	15,00	32	115X145X13	S	115,00	145,00	145,30	13,00	35
		4.134	6.299	6.307	.591				4.528	5.709	5.720	.512	
*106X126X12	S	106,00	125,72	126,00	12,00	32	115X145X14	↔ S	115,00	145,00	145,20	14,00	32
		4.173	4.950	4.961	.472				4.528	5.709	5.717	.551	
*110X125X12	S	110,00	124,72	125,00	12,00	32	*115X145X15	S	115,00	145,00	145,20	15,00	32
		4.331	4.910	4.921	.472				4.528	5.709	5.717	.591	
*110X130X13	S	110,00	129,70	130,00	13,00	32	*115X150X15	S	115,00	149,70	150,00	15,00	32
		4.331	5.106	5.118	.512				4.528	5.894	5.906	.591	
110X130X12	S	110,00	130,00	130,28	12,00	32	115X150X12	S	115,00	150,00	150,28	12,00	35
		4.331	5.118	5.129	.472				4.528	5.906	5.917	.472	
*110X130X12V	V	110,00	130,00	130,20	12,00	32	*115X155X15	S	115,00	155,00	155,20	15,00	32
		4.331	5.118	5.126	.472				4.528	6.102	6.110	.591	
*110X135X12	S	110,00	135,00	135,20	12,00	32	*115X159X14	S	115,00	158,70	159,00	14,00	32
		4.331	5.315	5.323	.472				4.528	6.248	6.260	.551	
110X135X13	S	110,00	135,00	135,30	13,00	32	*115X160X15	S	115,00	160,00	160,20	15,00	32
		4.331	5.315	5.327	.512				4.528	6.299	6.307	.591	
*110X140X14	S	110,00	139,70	140,00	14,00	32	*115X146.5X13	S	115,00	146,20	146,50	13,00	32
		4.331	5.500	5.512	.551				4.528	5.756	5.768	.512	
110X140X12	S	110,00	140,00	140,28	12,00	32	*116X132X12	S	116,00	131,70	132,00	12,00	32
		4.331	5.512	5.523	.472				4.567	5.185	5.197	.472	
*110X140X12V	V	110,00	140,00	140,28	12,00	32	*120X140X12	S	120,00	139,70	140,00	12,00	32
		4.331	5.512	5.523	.472				4.724	5.500	5.512	.472	
110X140X13	S	110,00	140,00	140,23	13,00	32	*120X140X15	S	120,00	139,70	140,00	15,00	32
		4.331	5.512	5.521	.512				4.724	5.500	5.512	.591	
*110X145X14	S	110,00	144,70	145,00	14,00	32	120X140X13	S	120,00	140,00	140,28	13,00	32
		4.331	5.697	5.709	.551				4.724	5.512	5.523	.512	
*110X145X12	S	110,00	145,00	145,20	12,00	32	120X145X12	S	120,00	145,00	145,28	12,00	35
		4.331	5.709	5.717	.472				4.724	5.709	5.720	.472	
110X145X13	S	110,00	145,00	145,30	13,00	35	*120X146X13	S	120,00	145,70	146,00	13,00	32
		4.331	5.709	5.720	.512				4.724	5.736	5.748	.512	
110X150X12	S	110,00	150,00	150,25	12,00	35	*120X150X13	S	120,00	149,70	150,00	13,00	32
		4.330	5.905	5.915	0.472				4.724	5.894	5.906	.512	
*110X150X13	S	110,00	149,70	150,00	13,00	32	*120X150X14	S	120,00	149,70	150,00	14,00	32
		4.331	5.894	5.906	.512				4.724	5.894	5.906	.551	
110X150X15	S	110,00	150,00	150,28	15,00	35	*120X150X15	S	120,00	149,70	150,00	15,00	32
		4.331	5.906	5.917	.591				4.724	5.894	5.906	.591	
*110X155X15	S	110,00	155,00	155,20	15,00	32	120X150X12	S	120,00	150,00	150,28	12,00	32
		4.331	6.102	6.110	.591				4.724	5.906	5.917	.472	
*110X160X12	S	110,00	159,70	160,00	12,00	32	*120X150X12V	V	120,00	150,00	150,20	12,00	32
		4.331	6.287	6.299	.472				4.724	5.906	5.913	.472	
*110X160X15	S	110,00	160,00	160,20	15,00	32	*120X155X14	S	120,00	154,70	155,00	14,00	32
		4.331	6.299	6.307	.591				4.724	6.090	6.102	.551	
*110X167X17	S	110,00	166,70	167,00	17,00	32	*120X155X16	S	120,00	154,70	155,00	16,00	32
		4.331	6.563	6.575	.669				4.724	6.090	6.102	.630	

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↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 120X155X15	S	120,00	155,00	155,20	15,00	32	* 130X165X15	S	130,00	164,70	165,00	15,00	32
		4.724	6.102	6.110	.591				5.118	6.484	6.496	.591	
* 120X159X14	S	120,00	158,70	159,00	14,00	32	* 130X170X13	S	130,00	169,70	170,00	13,00	32
		4.724	6.248	6.260	.551				5.118	6.681	6.693	.512	
* 120X160X15	S	120,00	159,70	160,00	15,00	32	130X170X12	S	130,00	170,00	170,30	12,00	35
		4.724	6.287	6.299	.591				5.118	6.693	6.705	.472	
120X160X12	S	120,00	160,00	160,28	12,00	32	* 130X170X12V	V	130,00	170,00	170,20	12,00	35
		4.724	6.299	6.310	.472				5.118	6.693	6.701	.472	
* 120X160X12V	V	120,00	160,00	160,20	12,00	35	130X170X15	S	130,00	170,00	170,28	15,00	32
		4.724	6.299	6.307	.472				5.118	6.693	6.704	.591	
* 120X180X15	S	120,00	179,67	180,00	15,00	32	* 130X190X12	S	130,00	189,67	190,00	12,00	32
		4.724	7.074	7.087	.591				5.118	7.467	7.480	.472	
* 120X146.5X13	S	120,00	146,20	146,50	13,00	32	* 130X200X12	S	130,00	199,67	200,00	12,00	32
		4.724	5.756	5.768	.512				5.118	7.861	7.874	.472	
* 122X140X13	S	122,00	139,70	140,00	13,00	32	* 135X155X13	S	135,00	154,70	155,00	13,00	32
		4.803	5.500	5.512	.512				5.315	6.090	6.102	.512	
* 124X159X14	S	124,00	158,70	159,00	14,00	32	* 135X160X15	S	135,00	159,70	160,00	15,00	32
		4.882	6.248	6.260	.551				5.315	6.287	6.299	.591	
* 124X170X14.5	S	124,00	169,70	170,00	14,50	32	135X160X13	S	135,00	160,00	160,38	13,00	35
		4.882	6.681	6.693	.571				5.315	6.299	6.314	.512	
* 125X145X13	S	125,00	144,70	145,00	13,00	32	* 135X165X13	S	135,00	164,70	165,00	13,00	32
		4.921	5.697	5.709	.512				5.315	6.484	6.496	.512	
* 125X150X13	S	125,00	149,70	150,00	13,00	32	* 135X165X14	S	135,00	164,70	165,00	14,00	32
		4.921	5.894	5.906	.512				5.315	6.484	6.496	.551	
* 125X150X14	S	125,00	149,70	150,00	14,00	32	135X170X12	S	135,00	170,00	170,38	12,00	35
		4.921	5.894	5.906	.551				5.315	6.693	6.708	.472	
* 125X150X15	S	125,00	149,70	150,00	15,00	32	138X152X12	S	138,00	152,00	152,10	12,00	47
		4.921	5.894	5.906	.591				5.433	5.984	5.988	.472	
125X150X12	S	125,00	150,00	150,28	12,00	32	* 138X152X15	S	138,00	152,00	152,20	15,00	32
		4.921	5.906	5.917	.472				5.433	5.984	5.992	.591	
* 125X150X12V	V	125,00	150,00	150,20	12,00	32	* 140X160X14	S	140,00	159,70	160,00	14,00	32
		4.921	5.906	5.913	.472				5.512	6.287	6.299	.551	
* 125X155X14	S	125,00	154,70	155,00	14,00	32	140X160X12	S	140,00	160,00	160,20	12,00	32
		4.921	6.090	6.102	.551				5.512	6.299	6.307	.472	
125X155X12	S	125,00	155,00	155,20	12,00	32	140X160X13	S	140,00	160,00	160,27	13,00	35
		4.921	6.102	6.110	.472				5.512	6.299	6.310	.512	
* 125X155X15	S	125,00	155,00	155,20	15,00	32	* 140X165X13	S	140,00	164,70	165,00	13,00	32
		4.921	6.102	6.110	.591				5.512	6.484	6.496	.512	
* 125X160X15	S	125,00	159,70	160,00	15,00	32	* 140X165X15	S	140,00	165,00	165,28	15,00	32
		4.921	6.287	6.299	.591				5.512	6.496	6.507	.591	
125X160X12	S	125,00	160,00	160,28	12,00	32	* 140X168X15	S	140,00	167,70	168,00	15,00	32
		4.921	6.299	6.310	.472				5.512	6.602	6.614	.591	
125X170X15	S	125,00	170,00	170,20	15,00	32	* 140X170X13	S	140,00	169,70	170,00	13,00	32
		4.921	6.693	6.701	.591				5.512	6.681	6.693	.512	
* 125X146.5X13	S	125,00	146,20	146,50	13,00	32	* 140X170X14	S	140,00	169,70	170,00	14,00	32
		4.921	5.756	5.768	.512				5.512	6.681	6.693	.551	
* 128X150X15	S	128,00	150,00	150,28	15,00	35	140X170X12	S	140,00	170,00	170,30	12,00	32
		5.039	5.906	5.917	.591				5.512	6.693	6.705	.472	
* 130X150X12	S	130,00	149,70	150,00	12,00	32	* 140X170X12V	V	140,00	170,00	170,20	12,00	32
		5.118	5.894	5.906	.472				5.512	6.693	6.701	.472	
* 130X150X13	S	130,00	149,70	150,00	13,00	32	140X170X15	S	140,00	170,00	170,43	15,00	32
		5.118	5.894	5.906	.512				5.512	6.693	6.710	.591	
130X150X10	S	130,00	150,00	150,10	10,00	47	* 140X175X15	S	140,00	174,70	175,00	15,00	32
		5.118	5.906	5.909	.394				5.512	6.878	6.890	.591	
* 130X150X15	S	130,00	150,00	150,20	15,00	32	* 140X180X15	S	140,00	179,67	180,00	15,00	32
		5.118	5.906	5.913	.591				5.512	7.074	7.087	.591	
* 130X155X14	S	130,00	154,70	155,00	14,00	32	140X180X12	S	140,00	180,00	180,30	12,00	35
		5.118	6.090	6.102	.551				5.512	7.087	7.098	.472	
* 130X160X13	S	130,00	159,70	160,00	13,00	32	140X180X18	S	140,00	180,00	180,38	18,00	32
		5.118	6.287	6.299	.512				5.512	7.087	7.102	.709	
* 130X160X14	S	130,00	159,70	160,00	14,00	32	* 140X185X16	S	140,00	184,67	185,00	16,00	32
		5.118	6.287	6.299	.551				5.512	7.270	7.283	.630	
130X160X12	S	130,00	160,00	160,28	12,00	32	* 142X157X10	S	142,00	156,70	157,00	10,00	32
		5.118	6.299	6.310	.472				5.591	6.169	6.181	.394	
* 130X160X12V	V	130,00	160,00	160,20	12,00	32	144X160X12	S	144,00	160,00	160,25	12,00	35
		5.118	6.299	6.307	.472				5.669	6.299	6.309	.472	
130X160X15	S	130,00	160,00	160,20	15,00	32	145X164X14	S	145,00	164,00	164,10	14,00	47
		5.118	6.299	6.307	.591				5.709	6.457	6.461	.551	
* 130X165X13	S	130,00	164,70	165,00	13,00	32	* 145X164X15	S	145,00	164,00	164,20	15,00	32
		5.118	6.484	6.496	.512				5.709	6.457	6.465	.591	

For Illustration and Material Data See Technical Section
* Call 1-800-480-1212 For Price and Delivery

Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/ Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
* 145X165X13	S	145,00	164,70	165,00	13,00	32	* 160X185X13	S	160,00	184,67	185,00	13,00	32
		5.709	6.484	6.496	.512				6.299	7.270	7.283	.512	
* 145X165X14	S	145,00	164,70	165,00	14,00	32	160X185X10	S	160,00	185,00	185,35	10,00	35
		5.709	6.484	6.496	.551				6.299	7.283	7.297	.394	
* 145X167X13	S	145,00	166,70	167,00	13,00	32	* 160X185X10V	V	160,00	185,00	185,20	10,00	35
		5.709	6.563	6.575	.512				6.299	7.283	7.291	.394	
* 145X170X13	S	145,00	169,70	170,00	13,00	32	* 160X190X13	S	160,00	189,67	190,00	13,00	32
		5.709	6.681	6.693	.512				6.299	7.467	7.480	.512	
* 145X170X15	S	145,00	169,70	170,00	15,00	32	160X190X15	S	160,00	190,00	190,35	15,00	32
		5.709	6.681	6.693	.591				6.299	7.480	7.494	.591	
145X170X12	S	145,00	170,00	170,45	12,00	32	* 160X190X15V	V	160,00	190,00	190,20	15,00	32
		5.709	6.693	6.711	.472				6.299	7.480	7.488	.591	
* 145X175X13	S	145,00	174,70	175,00	13,00	32	* 160X200X14	S	160,00	199,67	200,00	14,00	32
		5.709	6.878	6.890	.512				6.299	7.861	7.874	.551	
* 145X175X14	S	145,00	174,70	175,00	14,00	32	160X200X12	S	160,00	200,00	200,20	12,00	32
		5.709	6.878	6.890	.551				6.299	7.874	7.882	.472	
145X175X15	S	145,00	175,00	175,38	15,00	32	160X200X15	S	160,00	200,00	200,20	15,00	32
		5.709	6.890	6.905	.591				6.299	7.874	7.882	.591	
145X180X12	S	145,00	180,00	180,28	12,00	35	* 160X240X15	S	160,00	239,67	240,00	15,00	32
		5.709	7.087	7.098	.472				6.299	9.436	9.449	.591	
148X170X15	S	148,00	170,00	170,28	15,00	35	* 162X200X15	S	162,00	200,00	200,20	15,00	32
		5.827	6.693	6.704	.591				6.378	7.874	7.882	.591	
* 150X168X13	S	150,00	167,70	168,00	13,00	32	* 165X190X14	S	165,00	189,67	190,00	14,00	32
		5.906	6.602	6.614	.512				6.496	7.467	7.480	.551	
* 150X170X15	S	150,00	169,70	170,00	15,00	32	* 165X190X15	S	165,00	189,67	190,00	15,00	32
		5.906	6.681	6.693	.591				6.496	7.467	7.480	.591	
* 150X175X10	S	150,00	174,70	175,00	10,00	32	165X190X13	S	165,00	190,00	190,35	13,00	41
		5.906	6.878	6.890	.394				6.496	7.480	7.494	.512	
* 150X180X13	S	150,00	179,67	180,00	13,00	32	* 165X195X15	S	165,00	194,67	195,00	15,00	32
		5.906	7.074	7.087	.512				6.496	7.664	7.677	.591	
* 150X180X14	S	150,00	179,67	180,00	14,00	32	* 165X200X14	S	165,00	199,67	200,00	14,00	32
		5.906	7.074	7.087	.551				6.496	7.861	7.874	.551	
150X180X12	S	150,00	180,00	180,35	12,00	32	* 170X190X10	S	170,00	189,67	190,00	10,00	32
		5.906	7.087	7.100	.472				6.693	7.467	7.480	.394	
150X180X15	S	150,00	180,00	180,35	15,00	35	* 170X190X14	S	170,00	189,67	190,00	14,00	32
		5.906	7.087	7.100	.591				6.693	7.467	7.480	.551	
* 150X180X15V	V	150,00	180,00	180,20	15,00	32	170X200X15	S	170,00	200,00	200,35	15,00	32
		5.906	7.087	7.094	.591				6.693	7.874	7.888	.591	
* 150X185X16	S	150,00	184,67	185,00	16,00	32	170X210X15	S	170,00	210,00	210,20	15,00	32
		5.906	7.270	7.283	.630				6.693	8.268	8.276	.591	
* 150X190X15	S	150,00	189,67	190,00	15,00	32	175X200X15	S	175,00	200,00	200,35	15,00	32
		5.906	7.467	7.480	.591				6.890	7.874	7.888	.591	
* 150X200X13	S	150,00	199,67	200,00	13,00	32	* 175X210X15	S	175,00	209,67	210,00	15,00	32
		5.906	7.861	7.874	.512				6.890	8.255	8.268	.591	
* 150X210X15	S	150,00	209,67	210,00	15,00	32	* 175X230X20	S	175,00	229,67	230,00	20,00	32
		5.906	8.255	8.268	.591				6.890	9.042	9.055	.787	
* 150X225X12	S	150,00	224,67	225,00	12,00	32	* 180X200X14	S	180,00	199,67	200,00	14,00	32
		5.906	8.845	8.858	.472				7.087	7.861	7.874	.551	
* 154X172X14	S	154,00	171,70	172,00	14,00	32	* 180X200X15	S	180,00	199,67	200,00	15,00	32
		6.063	6.760	6.772	.551				7.087	7.861	7.874	.591	
* 154X172X15	S	154,00	172,00	172,20	15,00	32	180X210X15	S	180,00	210,00	210,35	15,00	32
		6.063	6.772	6.780	.591				7.087	8.268	8.281	.591	
* 155X172X14	S	155,00	171,70	172,00	14,00	32	* 180X215X15	S	180,00	214,67	215,00	15,00	32
		6.102	6.760	6.772	.551				7.087	8.452	8.465	.591	
* 155X174X12	S	155,00	173,70	174,00	12,00	32	* 180X220X15	S	180,00	219,67	220,00	15,00	32
		6.102	6.838	6.850	.472				7.087	8.648	8.661	.591	
* 155X180X12	S	155,00	179,67	180,00	12,00	32	* 180X220X16	S	180,00	219,67	220,00	16,00	32
		6.102	7.074	7.087	.472				7.087	8.648	8.661	.630	
* 155X180X13	S	155,00	179,67	180,00	13,00	32	* 185X210X15	S	185,00	209,67	210,00	15,00	32
		6.102	7.074	7.087	.512				7.283	8.255	8.268	.591	
155X180X15	S	155,00	180,00	180,23	15,00	32	185X210X13	S	185,00	210,00	210,35	13,00	35
		6.102	7.087	7.096	.591				7.283	8.268	8.281	.512	
* 155X185X16	S	155,00	184,67	185,00	16,00	32	* 185X215X16	S	185,00	215,00	215,22	16,00	32
		6.102	7.270	7.283	.630				7.283	8.465	8.473	.630	
* 160X180X10	S	160,00	179,67	180,00	10,00	32	* 190X210X10	S	190,00	209,67	210,00	10,00	32
		6.299	7.074	7.087	.394				7.480	8.255	8.268	.394	
* 160X180X13	S	160,00	179,67	180,00	13,00	32	* 190X210X15	S	190,00	209,67	210,00	15,00	32
		6.299	7.074	7.087	.512				7.480	8.255	8.268	.591	
* 160X182X18	S	160,00	181,67	182,00	18,00	32	* 190X220X15	S	190,00	220,00	220,35	15,00	32
		6.299	7.152	7.165	.709				7.480	8.661	8.675	.591	

For Illustration and Material Data See Technical Section
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Numerical List Size & Type

NATIONAL®



Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.	Part No.	Lip Mat'l	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Type/Illus.
METRIC SERIES (cont.)							METRIC SERIES (cont.)						
190X220X16	S	190,00	220,00	220,35	16,00	32	* 250X280X15	S	250,00	280,00	280,35	15,00	35
		7.480	8.661	8.675	.630				9.843	11.024	11.037	.591	
* 190X225X12	S	190,00	224,67	225,00	12,00	32	* 250X290X15	S	250,00	289,67	290,00	15,00	32
		7.480	8.845	8.858	.472				9.843	11.404	11.417	.591	
* 190X225X16	S	190,00	224,67	225,00	16,00	32	* 260X290X15	S	260,00	289,67	290,00	15,00	32
		7.480	8.845	8.858	.630				10.236	11.404	11.417	.591	
* 190X225X16V	V	190,00	225,00	225,20	16,00	32	* 260X300X20	S	260,00	300,00	300,45	20,00	32
		7.480	8.858	8.866	.630				10.236	11.811	11.829	.787	
* 190X230X15	S	190,00	229,67	230,00	15,00	32	* 265X290X16	S	265,00	289,67	290,00	16,00	32
		7.480	9.042	9.055	.591				10.433	11.404	11.417	.630	
190X230X16	S	190,00	230,00	230,20	16,00	32	* 270X310X16	S	270,00	310,00	310,45	16,00	35
		7.480	9.055	9.063	.630				10.630	12.205	12.222	.630	
* 195X230X16	S	195,00	229,67	230,00	16,00	32	280X320X20	S	280,00	320,00	320,45	20,00	32
		7.677	9.042	9.055	.630				11.024	12.598	12.616	.787	
* 195X230X20	S	195,00	229,67	230,00	20,00	32	* 285X320X20	S	285,00	319,67	320,00	20,00	32
		7.677	9.042	9.055	.787				11.220	12.585	12.598	.787	
* 200X230X13	S	200,00	229,67	230,00	13,00	32	* 290X330X18	S	290,00	329,67	330,00	18,00	32
		7.874	9.042	9.055	.512				11.417	12.979	12.992	.709	
200X230X15	S	200,00	230,00	230,35	15,00	32	300X340X20	S	300,00	340,00	340,45	20,00	32
		7.874	9.055	9.069	.591				11.811	13.386	13.404	.787	
* 200X230X15V	V	200,00	230,00	230,20	15,00	32	* 320X360X20	S	320,00	360,00	360,45	20,00	32
		7.874	9.055	9.063	.591				12.598	14.173	14.191	.787	
* 200X235X15	S	200,00	234,67	235,00	15,00	32	* 340X380X20	S	340,00	380,00	380,45	20,00	32
		7.874	9.239	9.252	.591				13.386	14.961	14.978	.787	
* 200X240X15	S	200,00	239,67	240,00	15,00	32	* 360X400X20	S	360,00	400,00	400,45	20,00	32
		7.874	9.436	9.449	.591				14.173	15.748	15.766	.787	
* 200X240X20	S	200,00	239,67	240,00	20,00	32	* 380X420X20	S	380,00	420,00	420,45	20,00	32
		7.874	9.436	9.449	.787				14.961	16.535	16.553	.787	
* 200X250X16	S	200,00	249,67	250,00	16,00	32	* 400X440X20	S	400,00	440,00	440,45	20,00	32
		7.874	9.830	9.843	.630				15.748	17.323	17.341	.787	
* 200X250X20	S	200,00	249,67	250,00	20,00	32	FELT SEALS						
		7.874	9.830	9.843	.787		5M81	F	1.938	—	2.875	.375	#
* 205X225X18	S	205,00	224,67	225,00	18,00	32	5M89	F	2.500	—	3.438	.313	#
		8.071	8.845	8.858	.709		5M289	F	2.000	—	2.750	.438	#
* 205X235X18	S	205,00	234,67	235,00	18,00	32	5M293	F	1.938	—	3.000	.375	#
		8.071	9.239	9.252	.709		5M356	F	2.000	—	3.125	.375	#
210X240X15	S	210,00	240,00	240,35	15,00	35	5M403	F	2.000	—	3.125	.500	#
		8.268	9.449	9.463	.591		* 5M445	F	1.750	—	2.438	.313	#
* 210X250X16	S	210,00	249,67	250,00	16,00	32	5M466	F	6.438	—	7.563	.500	#
		8.268	9.830	9.843	.630		5M497	F	4.125	—	5.750	.438	#
210X250X15	S	210,00	250,00	250,20	15,00	32	5M544	F	4.875	—	5.625	.375	#
		8.268	9.843	9.850	.591		5M559	F	2.813	—	3.563	.313	#
* 210X270X16	S	210,00	269,67	270,00	16,00	32	5M643	F	3.250	—	4.063	.313	#
		8.268	10.617	10.630	.630		5MR71	F	2.188	—	3.063	.250	#
220X250X15	S	220,00	250,00	250,35	15,00	32	5MR1008	F	2.688	—	3.500	.219	#
		8.661	9.843	9.856	.591		5MR1009	F	2.937	—	3.812	.313	#
* 220X250X15V	V	220,00	250,00	250,20	15,00	35	5MR1300	F	.938	—	1.500	.375	#
		8.661	9.843	9.850	.591		5MR1301	F	3.344	—	3.875	.281	#
* 220X255X16	S	220,00	254,67	255,00	16,00	32							
		8.661	10.026	10.039	.630								
* 220X260X14	S	220,00	259,67	260,00	14,00	32							
		8.661	10.223	10.236	.551								
* 220X260X16	S	220,00	259,67	260,00	16,00	32							
		8.661	10.223	10.236	.630								
* 220X260X15	S	220,00	260,00	260,20	15,00	32							
		8.661	10.236	10.244	.591								
* 222X245X13	S	222,00	244,67	245,00	13,00	32							
		8.740	9.633	9.646	.512								
230X260X15	S	230,00	260,00	260,35	15,00	35							
		9.055	10.236	10.250	.591								
240X270X15	S	240,00	270,00	270,35	15,00	35							
		9.449	10.630	10.644	.591								
* 240X270X16	S	240,00	270,00	270,35	16,00	35							
		9.449	10.630	10.644	.630								
* 240X280X18	S	240,00	279,67	280,00	18,00	32							
		9.449	11.011	11.024	.709								
* 240X280X20	S	240,00	279,67	280,00	20,00	32							
		9.449	11.011	11.024	.787								
240X280X16	S	240,00	280,00	280,20	16,00	32							
		9.449	11.024	11.031	.630								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery

Kit Dimensions				Seal Dimensions						Remarks
Kit No.	Shaft	O.D.	Width	Seal No.	Type/ Illus.	Lip Mat'l	Shaft	O.D.	Width	
PSK-1	1.250	1.756	—	SR2 (2) SW2	—	—	—	—	—	(Kit)
				5683++	32	S	1.250	1.756	.300	
				5684++	32	S	1.250	1.756	.399	
5000	1.763	2.416	.563	—	—	—	—	—	—	
5001	1.875	2.565	.563	—	—	—	—	—	—	
5008	4.642	5.756	.750	455053	45	S	4.750	5.757	.562	Contains• JX847 Wear Sleeve
* 5010	4.750	6.006	.750	476621H	47	H	4.875	6.006	.562	Contains• J1135 Wear Sleeve
5015	3.010	8.250	.571	8369S	#	S	3.125	—	.571	Contains• G48 Gasket &• JV495 Wear Sleeve & (2) • G523 Gasket
5026	6.000	6.757	.750	336665H	33	H	6.125	6.757	.375	Contains• J1141 Wear Sleeve
5028	3.930	5.381	.875	9586	#	S	4.062	5.378	.627	Contains• JV1511A Wear Sleeve
5033	4.834	5.756	.710	3492	48	T	5.000	5.756	.500	Contains• JX2162 Wear Sleeve
5039	5.991	6.757	.500	4165V	#	V	6.107	6.757	.500	Contains• JV2088 Wear Sleeve
5045	2.496	3.758	.625	200851%	200E	S	2.496	3.772	.315	Contains• JV1582 Wear Sleeve
5065	3.994	5.005	.625	455134H	45	H	4.125	5.005	.468	Contains• J1129 Wear Sleeve
5066	2.377	3.505	.937	3894V	48	V	2.500	3.505	.500	Contains• JX1920 Wear Sleeve Seal & Sleeve
5068	—	—	—	—	—	—	—	—	—	(Split Seal)
5071	1.500	2.570	.550	200861%	200E	S	1.500	2.482	.290	Contains• JV933 Wear Sleeve
5072	2.625	3.480	.380	—	—	—	—	—	—	
5073	—	—	—	—	—	—	—	—	—	Contains (2) G753 Gasket
5075	4.500	6.259	.862	9588&	#	S	4.625	6.257	.550	Contains• JV1513 Wear Sleeve
5076	3.937	5.678	.875	9586	#	S	4.062	5.378	.627	Contains• JV1511 Wear Sleeve
5077	4.375	6.259	.843	9587&	#	S	4.500	6.257	.820	Contains• JV1512 Wear Sleeve
5079	3.110	5.750	.375	7896S	51	S	3.110	5.750	.375	
* 5082	5.180	6.507	.750	456986H	45	H	5.312	6.507	.625	Contains• J2037 Wear Sleeve
5084	3.750	4.756	.625	—	—	—	—	—	—	
5089	3.937	5.509	.597	2155	#	S	4.062	5.509	.597	Contains• JV1511 Wear Sleeve
5092	—	3.030	.325	—	—	—	—	—	—	(Split Seal)
5095	3.438	4.012	.410	—	—	—	—	—	—	(Rope Type)
5100	3.112	4.633	.920	9583	#	S	3.250	4.633	.706	Contains• JV1508 Wear Sleeve
5106	—	—	—	—	—	—	—	—	—	Split Seal
5108	—	4.200	.222	—	—	—	—	—	—	(Split Seal)
5111	—	—	—	—	—	—	—	—	—	(Split Seal)
5112	—	—	—	—	—	—	—	—	—	(Split Seal)
5116	—	4.000	.187	—	—	—	—	—	—	(Split Seal)
5117	3.438	4.313	.188	—	—	—	—	—	—	(Split Seal)
5118	—	—	—	—	—	—	—	—	—	(Split Seal)
5120	3.125	4.130	.625	415566N	41	N	3.250	4.130	.562	Contains• J1122 Wear Sleeve
5146	5.500	6.631	.875	415487	41	S	5.625	6.631	.625	Contains• JV1463 Wear Sleeve
5147	2.625	3.755	.625	200919%	200E	S	2.625	3.960	.320	Contains• JV1517 Wear Sleeve
5160	2.250	3.256	.625	412038	41	S	2.375	3.256	.437	Contains• J1113 Wear Sleeve &• JV1836 Wear Sleeve
5161	2.000	3.376	.625	410972	41	S	2.125	3.376	.468	Contains• J1109 Wear Sleeve &• JV1837 Wear Sleeve
5163	2.835	3.425	.230	—	—	—	—	—	—	
5164	6.875	8.633	.825	3123	#	S	6.956	8.633	.750	
				3124%	46	S	6.875	8.543	.825	
5166	1.250	2.254	.750	410169	41	S	1.375	2.254	.500	Contains• JV1873 Wear Sleeve
5167	3.625	4.756	.875	475379	47	S	3.750	4.756	.500	Contains• JV1874 Wear Sleeve
5168	1.062	2.129	.625	413293	41	S	1.187	2.129	.375	Contains• JV1872 Wear Sleeve
5169	3.250	4.254	.750	476028	47	S	3.375	4.254	.468	Contains• JV1875 Wear Sleeve
5170	4.062	5.506	.875	415039	41	S	4.187	5.506	.562	Contains• JV1473 Wear Sleeve
* 5172	2.000	5.880	.458	6959	#	S	2.375	5.880	.331	Contains• K251 Wiper &• G895A Gasket
5175	9.265	11.385	.990	455871V	45	V	9.375	11.385	.750	Contains• JV829 Wear Sleeve
5185	3.125	8.250	.571	—	—	—	—	—	—	
5188	2.000	3.376	.625	410972N	41	N	2.125	3.376	.468	Contains• J1109 Wear Sleeve &• JV1837 Wear Sleeve
5189	2.250	3.256	.625	412038N	41	N	2.375	3.256	.437	Contains• J1113 Wear Sleeve &• JV1836 Wear Sleeve
5199	5.000	6.131	.875	8971H	7S	H	5.125	6.131	.750	Contains• JX1831 Wear Sleeve
5200	1.502	2.381	.940	9613S	71	S	1.500	2.381	.470	Contains• RP 356 Bushing (Seal & Bushing Kit)
5201	1.500	2.378	1.500	470059	47	S	1.500	2.378	.500	Contains• RP 605 Bushing (Seal & Bushing Kit)
5202	1.500	2.378	1.500	7692S	79	S	1.500	2.376	1.458	Contains• RP 605 Bushing (Seal & Bushing Kit)
5203	1.689	2.850	2.120	7300S	79	N	1.685	2.506	1.250	Contains• RP 661 Bushing (Seal & Bushing Kit)
5204	1.376	2.254	1.370	7495S	61	S	1.375	2.254	.713	Contains• RP 691 Bushing (Seal & Bushing Kit)
5205	1.688	2.687	1.240	7038SA	41	S	1.687	2.506	.582	Contains RP 717 Bushing (Seal & Bushing Kit)
5206	1.688	2.850	2.120	7300S	79	N	1.685	2.506	1.250	Contains• RP 546 Bushing (Seal & Bushing Kit)
5207	1.566	2.515	1.370	8935S&	79	S	1.558	2.254	1.520	Contains• RP 553 Bushing (Seal & Bushing Kit)
5208	1.887	1.998	1.000	9449	74	S	1.890	2.704	.582	Contains RP775 Bushing (Seal & Bushing Kit)
5227	9.375	11.383	.825	3502	45	S	9.477	11.383	.750	
				3503%	#	S	9.375	11.273	.825	
5228	5.875	7.008	.875	456055V	45	V	6.000	7.008	.625	Contains• JX1002 Wear Sleeve
5229	4.993	6.131	.750	416172	41	S	5.125	6.131	.562	Contains• J1137 Wear Sleeve
5273	2.991	3.637	.385	100202T	FW-H	T	2.991	3.637	.385	(Teflon®)
5274	3.740	4.540	.492	100203T	FW-H	T	3.740	4.540	.492	Contains 733215 Gasket (Teflon®)
5276	7.369	9.010	.875	415551	41	S	7.500	9.010	.750	Contains• JV1190 Wear Sleeve
5277	3.625	4.256	.390	100204T	FW-H	T	3.625	4.256	.390	(Teflon®)

Designed For A Specific Application - Not Recommended For General Use ◀ Hydrodynamic Lip Design-CCW ▶ Hydrodynamic Lip Design-Bidirectional
 ++ Not Sold Separately % External Bore & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery • Sold Separately

Numerical List Kits

NATIONAL®



Kit Dimensions				Seal Dimensions						Remarks
Kit No.	Shaft	O.D.	Width	Seal No.	Type/ Illus.	Lip Mat'l	Shaft	O.D.	Width	
5278	3.750	4.506	.362	•100205T	FW-H	T	3.750	4.506	.362	(Teflon®)
5279	3.583	4.375	.394	•100052T	FW-H	T	3.583	4.375	.394	Contains 731414 Gasket (Teflon®)
5287	3.465	4.266	.437	•100239T	FW-H	T	3.465	4.266	.437	Contains 732079 Gasket & 733419 Gasket & 734280 Gasket (Teflon®)
5290	2.988	3.740	1.165	—	—	—	—	—	—	
5302	1.750	3.376	.667	•8398	39	S	1.937	3.376	.667	Contains• K259 Wiper
5313	3.010	8.250	.571	•8369S	#	S	3.125	—	.571	Contains• K282 Wiper & (2) • G523 Gasket
5327	3.500	6.625	.531	•6245S	#	S	3.500	6.625	.531	Contains (2) • G35 Gasket
5329	2.000	4.562	.562	6465B++	#	F	2.000	4.562	.562	Contains (2) G33 Gasket
5330	2.000	4.562	.562	•6469	#	F	2.000	4.562	.562	Contains (2) • G34 Gasket
5331	1.562	2.506	.500	•450185	45	S	1.562	2.506	.500	Contains• G199 Gasket
5332	2.187	3.194	.437	450354	45	S	2.187	3.194	.437	Contains• G25 Gasket
5336	1.875	2.762	.500	•410283	41	S	1.875	2.762	.500	Contains• G736 Gasket
5346	1.062	1.507	.250	•340210	34	S	1.062	1.507	.250	Contains (2) • 666215 'O' Ring & 666232 'O' Ring & 666334 'O' Ring
5347	3.562	4.630	.700	•8480	#	S	3.557	4.530	.320	Contains• JV1170 Wear Sleeve
5361	1.875	3.130	.625	•450310N	45	N	2.000	3.130	.500	Contains• J1107 Wear Sleeve
5364	1.766	3.005	.875	•451139	45	S	1.875	3.005	.375	Contains• JX825 Wear Sleeve
5373	3.250	4.254	.625	•416294N	41	N	3.375	4.254	.500	Contains• J1123 Wear Sleeve
5376	4.000	5.004	.625	•415134N	41	N	4.125	5.004	.468	Contains• J1129 Wear Sleeve
5377	4.750	6.256	.750	•415068N	41	N	4.875	6.256	.562	Contains• J1135 Wear Sleeve
5381	3.250	5.004	.625	•415025	41	S	3.375	5.004	.468	Contains• J1123 Wear Sleeve
5382	3.250	4.254	.625	•415613	41	S	3.375	4.254	.625	Contains• J1123 Wear Sleeve
5383	5.625	6.632	1.000	455447	45	S	5.750	6.632	.625	Contains• J1355 Wear Sleeve
5384	2.531	6.125	.500	•7154S	#	S	2.531	6.125	.500	Contains• G41 Gasket
5388	1.875	2.690	.625	450360	45	S	2.000	2.690	.500	Contains• J1107 Wear Sleeve
5390	—	6.600	.430	—	—	—	—	—	—	Contains (2) • G214 Gasket & (2) • G594 Gasket
5397	2.121	3.350	.500	•9434%	46	S	2.121	3.296	.460	
				•482435	48	S	2.172	3.350	.500	
5399	2.812	4.504	1.000	•415356	41	S	2.937	4.504	.468	Contains• JV1427 Wear Sleeve
5401	2.500	6.125	.435	•7512S	51	S	2.500	6.125	.400	Contains (2) • G41 Gasket & G43 Gasket & JV1304 Wear Sleeve
5403	2.860	6.562	.571	•6479	#	S	2.860	6.460	.520	Contains• J493 Wear Sleeve
5405	3.125	7.500	.625	•6480	#	S	3.125	7.500	.531	Contains• G49 Gasket & K282 Wiper
5406	2.562	8.250	1.003	•6481N	—	—	—	—	—	Contains• G40 Gasket & K282 Wiper
5408	3.124	8.250	.518	•6477S	#	S	3.226	8.250	.518	Contains (2) • G40 Gasket & G42 Gasket & J873 Wear Sleeve
5410	3.125	8.125	.571	•6505S	#	S	3.125	8.125	.571	Contains• G48 Gasket & (2) • G54 Gasket & JV495 Wear Sleeve
5414	—	5.625	.430	—	—	—	—	—	—	Contains (2) • G129 Gasket & G130 Gasket & G131 Gasket
5419	—	6.906	.440	—	—	—	—	—	—	Contains (2) • G137 Gasket
5422	5.187	6.513	1.380	•327984	32	T	5.312	6.513	.500	Contains• JF2280 Wear Sleeve
5424	5.179	6.513	1.380	•327984	32	T	5.312	6.513	.500	Contains• JF2280 Wear Sleeve
5436	6.500	8.007	.750	914412	91	T	6.625	8.007	.750	Contains JG2361 Wear Sleeve
5441	6.500	8.007	.750	914411	91	T	6.625	8.007	.750	Contains JL2361 Wear Sleeve
5443	6.500	8.007	1.000	914413	91	T	6.625	8.007	1.000	Contains JG2345 Wear Sleeve
5452	3.000	8.250	.531	6764S	#	S	3.125	8.250	.500	Contains• G48 Gasket & G167 Gasket & J495 Wear Sleeve
5453	3.625	4.879	.585	•485497	48	S	3.625	4.879	.585	Contains• 633013 'O' Ring Kit
5458	1.880	2.414	.250	•6910S	35	S	1.880	2.414	.250	Contains• 610101 'O' Ring
5460	4.687	5.756	1.562	•455251H	45	H	4.812	5.756	.562	Contains• JV729 Wear Sleeve
5461	4.687	5.756	1.562	•75251S	7S	S	4.812	5.756	.750	Contains• J729 Wear Sleeve
5462	1.172	1.832	.422	•6370N	33	N	1.299	1.832	.375	Contains• J712 Wear Sleeve
5465	3.937	5.506	.859	•455037	45	S	4.062	5.506	.562	Contains• JV1362 Wear Sleeve
5471	4.812	6.316	1.250	•6872S	47	S	5.500	6.316	1.250	Contains• JV701 Wear Sleeve
5472	4.812	7.004	1.250	•7006S	43	S	5.500	7.004	1.250	Contains• JV701 Wear Sleeve
5473	4.812	6.505	1.125	•6873S	43	S	5.500	6.505	1.125	Contains• JV701 Wear Sleeve
5475	3.868	5.506	.921	•6864S	45	S	4.050	5.506	.671	Contains• J718 Wear Sleeve
5476	—	4.875	.455	—	—	—	—	—	—	Contains (2) • G211 Gasket
* 5479	—	4.862	.410	—	—	—	—	—	—	Contains (2) • G196 Gasket & (2) • G214 Gasket
5481	4.759	6.316	1.250	•6872S	47	S	5.500	6.316	1.250	Contains• JV753 Wear Sleeve
5483	4.759	6.505	1.125	•6873S	43	S	5.500	6.505	1.125	Contains• JV753 Wear Sleeve
5487	2.000	5.880	.448	—	—	—	—	—	—	Contains (2) • G221 Gasket & K251 Wiper
5488	2.129	2.766	.250	•6957	48	N	2.129	2.766	.250	Contains• 610123 'O' Ring
5494	3.010	8.150	.925	•6897	#	S	3.125	8.250	.925	Contains (2) • G40 Gasket & K156 Wiper
5495	4.759	7.004	1.250	•7006S	43	S	5.500	7.004	1.250	Contains• JV753 Wear Sleeve
5499	1.915	2.548	.250	•7020	#	S	1.915	2.548	.250	Contains• 610105 'O' Ring
5509	3.119	4.130	.750	•255566H	25	H	3.250	4.130	.500	Contains• J1401 Wear Sleeve
5518	3.119	4.756	.875	—	—	—	—	—	—	
* 5520	2.432	3.756	.750	•415244	41	S	2.562	3.756	.500	Contains• JV1455 Wear Sleeve
5521	2.120	3.505	.750	•415093	41	S	2.250	3.505	.500	Contains• JV1456 Wear Sleeve
5526	3.994	5.004	.718	•415134	41	S	4.125	5.004	.468	Contains• JV1461 Wear Sleeve
5527	4.743	6.256	.812	415068	41	S	4.875	6.256	.562	Contains• JV1462 Wear Sleeve

Designed For A Specific Application - Not Recommended For General Use ♦ Hydrodynamic Lip Design-CW ♦ Hydrodynamic Lip Design-CCW ++ Not Sold Separately
 % External Bore * Call 1-800-480-1212 For Price and Delivery • Sold Separately

Kit Dimensions				Seal Dimensions						Remarks
Kit No.	Shaft	O.D.	Width	Seal No.	Type/ Illus.	Lip Mat'l	Shaft	O.D.	Width	
5531	1.812	2.879	.718	•410295	41	S	1.937	2.879	.468	Contains• JV1464 Wear Sleeve
5532	3.562	5.256	.468	•416670	41	S	3.687	5.256	.468	Contains• JV1469 Wear Sleeve
5537	4.062	6.000	.875	•416673	41	S	4.187	6.007	.625	Contains• JV1473 Wear Sleeve
5538	6.875	8.382	.750	•416674	41	S	7.000	8.382	.750	Contains• JV1474 Wear Sleeve
5550	1.438	2.192	.480	•9249	47	S	1.437	2.192	.480	Contains• 623017 'O' Ring
* 5551	3.500	5.256	.718	•416335	41	S	3.625	5.256	.468	Contains• JV1494 Wear Sleeve
5563	3.937	5.506	.859	•6864S	45	S	4.050	5.506	.671	Contains• JV1362 Wear Sleeve
5567	2.430	3.031	.380	—	—	—	—	—	—	—
5573	1.915	2.548	.250	•7020	#	S	1.915	2.548	.250	Contains• 610145 'O' Ring
5575	4.687	7.635	.359	•6701	#	S	4.740	7.575	.410	Contains JV608 Wear Sleeve
* 5576	—	5.700	.415	—	—	—	—	—	—	Contains (2) • G427 Gasket
5578	3.125	4.130	1.000	•485500N	48	N	3.298	4.130	.562	Contains• K179 Wiper
5581	4.000	5.004	.937	•7390%	#	S	4.000	4.906	.821	Contains• JV943 Wear Sleeve
5584	2.750	3.881	1.000	•415479N	41	N	3.000	3.881	.468	Contains• K198 Wiper
5588	3.375	4.380	.812	•8130%	#	S	3.375	4.380	.730	Contains• JV976 Wear Sleeve
5589	2.129	2.766	.250	•6957	48	N	2.129	2.766	.250	Contains• 666151 'O' Ring
5591	—	6.240	.400	—	—	—	—	—	—	Contains (2) • G462 Gasket & (2) • G463 Gasket
5592	1.493	2.507	.700	•8097%	39	S	1.476	2.447	.620	Contains• JV970 Wear Sleeve
5593	3.250	4.572	.750	•200870%	200E	S	3.249	4.488	.318	Contains• JV980 Wear Sleeve
5594	1.875	4.812	.312	•7105S	#	S	1.875	4.812	.312	Contains (2) • G196 Gasket & (2) • G456 Gasket
5596	—	4.875	.410	—	—	—	—	—	—	Contains (2) • G196 Gasket & (2) • G456 Gasket
5599	1.875	2.627	.843	•470455	47	S	1.937	2.627	.500	Contains• J990 Wear Sleeve
5601	2.875	3.756	.625	•476023N	47	N	3.000	3.756	.375	Contains• JV1120 Wear Sleeve
5602	2.375	3.433	1.000	•473274N	47	N	2.500	3.433	.375	Contains• JV1802 Wear Sleeve
5603	2.375	4.943	1.000	•3136N↔	47	N	2.500	4.943	.500	Contains• JV1802 Wear Sleeve
5604	2.125	3.072	.433	•3948	#	S	2.201	2.741	.197	Contains• JV2019 Wear Sleeve
5609	3.250	4.008	.866	—	—	—	—	—	—	—
5613	6.079	7.336	.750	•2628	64	H	6.204	7.336	.562	Contains• K458 Wiper &• J1842 Wear Sleeve
5615	7.908	9.508	.960	•3624	#	S	8.000	9.508	.860	—
				•3776S	#	S	7.908	9.535	.960	—
5624	5.000	6.131	.875	•456557	45	V	5.125	6.131	.500	Contains• JX1831 Wear Sleeve
5625	4.646	5.756	.625	•485138	48	S	4.750	5.756	.500	Contains• JX1386 Wear Sleeve
5629	3.000	4.008	.625	•457034	45	V	3.125	4.008	.500	Contains• J1121 Wear Sleeve
5632	9.057	10.719	1.000	•3689	#	V	9.173	10.719	.625	Contains• J1984 Wear Sleeve
* 5634	6.204	7.336	.812	•3807	64	H	6.328	7.336	.500	Contains• J1825 Wear Sleeve
5637	6.079	7.336	.600	•2628	64	H	6.204	7.336	.562	Contains• J1895 Wear Sleeve
5643	4.875	6.006	.715	•3782	#	H	5.000	6.006	.500	Contains• J1606 Wear Sleeve
5645	5.998	6.757	.675	•4165V↔	#	V	6.107	6.757	.500	Contains• J2051 Wear Sleeve
5649	3.562	5.125	.875	•95848	74	S	3.562	4.761	.550	Contains• JV1509 Wear Sleeve
5650	—	5.700	.415	—	—	—	—	—	—	—
5657	3.000	4.008	.687	•457034	45	V	3.125	4.008	.500	Contains• JX1747 Wear Sleeve
5665	4.841	5.756	.750	•3492V	48	V	5.000	5.756	.500	Contains JX1967 Wear Sleeve
5666	2.340	3.355	.650	•3501V	69	V	2.420	3.355	.375	Contains• JX1966 Wear Sleeve
5667	3.865	6.102	.975	•4269	74	S	4.000	5.700	.850	Contains• J2058 Wear Sleeve
5682	—	—	—	—	—	—	—	—	—	—
5685	—	—	—	—	—	—	—	—	—	—
5686	—	—	—	—	—	—	—	—	—	(Kit)
5690	—	—	—	—	—	—	—	—	—	(Repair Kit)
5694	—	—	—	•1884	32	S	2.047	2.688	.394	(Kit)
				•4899	66	S	2.205	2.958	.256	—
				722111	—	—	—	—	—	—
5695	2.010	2.965	.318	•SK1++	#	S	2.030	2.601	.295	Contains• SK3 Wear Sleeve (Kit)
				•SK2++	#	S	2.010	2.876	.318	—
5696	2.047	2.964	.315	•1993	47	S	2.205	2.885	.492	(Kit)
				•4898	66	S	2.047	2.603	.295	—
				722110	—	—	—	—	—	—
5697	1.875	3.150	.315	4051	#	S	1.875	2.907	.315	Contains• AS232 'O' Ring
5698	2.420	3.558	.336	4185	#	S	2.420	3.558	.336	Contains• AS043 'O' Ring
5699	1.875	2.808	.433	4310	285	S	1.875	2.808	.433	Contains• AS232 'O' Ring
5700	—	—	—	—	—	—	—	—	—	(Kit)
5722	5.000	6.006	.717	•947090↔	94	T	5.125	6.006	.413	Contains• JL2370 Wear Sleeve

Numerical Section—Wear Sleeves

NATIONAL®



Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type/ Illus.	Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type/ Illus.
SK3++	2.896	2.965	—	—	.245	#	J1106	1.812	1.807	1.937	—	.625	19
J121	1.737	1.732	—	3.100	.203	10	JV1106	1.812	1.807	1.937	—	.625	19
J493	2.763	2.758	2.860	—	.435	15	J1107	1.875	1.870	2.000	—	.625	19
JV495	3.010	3.005	3.115	—	.435	15	JV1107	1.875	1.870	2.000	—	.625	19
* JV608	4.687	4.680	4.740	—	.283	15	J1109	2.000	1.995	2.125	—	.625	19
JV701	4.812	4.812	5.510	—	.875	#	JV1109	2.000	1.995	2.125	—	.625	19
J712	1.177	1.172	1.300	—	.422	19	J1110	2.062	2.057	2.187	—	.625	19
J729	4.687	4.683	4.812	—	1.562	19	JV1110	2.062	2.057	2.187	—	.625	19
JV729	4.687	4.683	4.826	—	1.562	19	J1111	2.125	2.120	2.250	—	.625	19
JV753	4.764	4.759	5.510	—	.875	#	JV1111	2.125	2.120	2.250	—	.625	19
J756	2.289	2.284	2.386	—	.453	15	JX1111	2.125	2.120	2.250	2.250	.625	19
J790	2.536	2.531	3.128	—	.625	#	J1112	2.187	2.182	2.312	—	.625	19
JV790	2.536	2.531	3.128	—	.625	#	JV1112	2.187	2.182	2.312	—	.625	19
J825	1.766	1.761	1.871	—	.875	19	J1113	2.250	2.245	2.375	—	.625	19
JV825	1.766	1.761	1.871	—	.875	19	JV1113	2.250	2.245	2.375	—	.625	19
JX825	1.766	1.761	1.871	—	.875	19	J1114	2.312	2.307	2.437	—	.625	19
JV829	9.265	9.256	9.365	—	.990	19	JV1114	2.312	2.307	2.437	—	.625	19
JX829	9.265	9.256	9.365	—	.990	19	J1115	2.375	2.370	2.500	—	.625	19
JXS829	9.265	9.256	9.365	—	.990	19	JV1115	2.375	2.370	2.500	—	.625	19
JX845	5.641	5.634	5.743	—	.750	19	J1117	2.500	2.495	2.625	—	.625	19
JX846	6.892	6.884	6.993	—	.937	19	JV1117	2.500	2.495	2.625	—	.625	19
JX847	4.636	4.631	4.744	—	.750	19	JX1117	2.500	2.495	2.625	—	.625	19
J872	—	3.187	3.322	—	.970	1	J1118	2.625	2.620	2.750	—	.625	19
J873	3.130	3.124	3.226	—	.435	15	JV1118	2.625	2.620	2.750	—	.625	19
J892	7.117	7.109	8.356	8.453	1.684	#	J1119	2.750	2.745	2.875	—	.625	19
J893	7.221	7.214	—	7.767	.491	#	JV1119	2.750	2.745	2.875	—	.625	19
J930	10.915	10.906	—	11.975	.815	10	J1120	2.875	2.870	3.000	—	.625	19
JV933	—	2.437	2.570	—	.550	1	JV1120	2.875	2.870	3.000	—	.625	19
JV943	4.917	4.910	5.004	—	.937	1	JX1120	2.875	2.870	3.000	—	.625	19
JV949	3.146	3.140	3.224	—	.625	1	J1121	3.000	2.994	3.125	—	.625	19
J953	5.637	5.630	5.755	—	1.175	1	JV1121	3.000	2.994	3.125	—	.625	19
JV970	2.458	2.453	2.507	—	.700	1	J1122	3.125	3.119	3.250	—	.625	19
JV976	—	3.453	4.380	—	.812	2	JV1122	3.125	3.119	3.250	—	.625	19
JV980	4.481	4.312	4.572	—	.750	1	JX1122	3.125	3.119	3.250	—	.625	19
J983	1.646	1.641	1.745	—	.625	19	J1123	3.250	3.244	3.375	—	.625	19
J986	12.345	11.260	12.400	—	.590	1	JV1123	3.250	3.244	3.375	—	.625	19
J990	1.876	1.871	1.933	—	.843	19	J1124	3.375	3.369	3.500	—	.625	19
JV1002	5.875	5.868	6.000	—	.875	19	JV1124	3.375	3.369	3.500	—	.625	19
JX1002	5.875	5.868	6.000	—	.875	19	J1125	3.500	3.494	3.625	—	.625	19
JV1018	2.288	2.284	2.386	—	.453	15	JV1125	3.500	3.494	3.625	—	.625	19
JV1019	6.444	6.437	6.526	—	.550	1	JX1125	3.500	3.494	3.625	—	.625	19
J1025	4.691	3.562	4.786	—	.840	1	J1126	3.625	3.619	3.750	—	.625	19
J1043	2.423	2.418	—	2.680	.488	#	JV1126	3.625	3.619	3.750	—	.625	19
J1044	3.000	2.995	3.125	—	1.250	#	J1127	3.750	3.744	3.875	—	.625	19
J1049	1.843	1.781	1.937	2.521	.782	8	JV1127	3.750	3.744	3.875	—	.625	19
J1059	6.575	6.515	6.687	7.531	1.040	8	J1128	3.875	3.869	4.000	—	.625	19
JV1060	4.918	4.687	5.009	—	.906	1	JV1128	3.875	3.869	4.000	—	.625	19
J1063	1.875	1.870	2.000	—	.562	19	JX1128	3.875	3.869	4.000	—	.625	19
J1064	—	2.250	2.404	3.073	.770	#	J1129	4.000	3.989	4.125	—	.625	19
J1065	2.097	2.093	2.187	2.725	.770	8	JV1129	4.000	3.994	4.125	—	.625	19
JV1074	3.874	3.868	4.035	—	.831	19	J1130	4.125	4.119	4.250	—	.625	19
JV1076	2.809	2.804	2.894	3.250	.500	8	JV1130	4.125	4.119	4.250	—	.625	19
JV1077	—	4.500	5.130	—	.600	1	J1131	4.250	4.244	4.375	—	.750	19
J1081	5.375	5.368	5.500	—	.750	19	JV1131	4.250	4.244	4.375	—	.750	19
J1082	3.125	3.119	3.225	—	.625	19	JX1131	4.250	4.244	4.375	—	.750	19
J1084	3.250	3.244	3.353	—	.625	19	J1132	4.375	4.369	4.500	—	.750	19
J1086	2.641	2.562	2.755	—	.690	1	JV1132	4.375	4.369	4.500	—	.750	19
J1087	8.525	8.517	8.625	10.550	1.105	8	JX1132	4.375	4.369	4.500	—	.750	19
JV1091	3.419	3.414	3.510	—	.531	1	J1133	4.500	4.493	4.625	—	.750	19
J1094	1.852	1.847	1.947	—	.647	19	JV1133	4.500	4.493	4.625	—	.750	19
* JV1099	2.906	2.900	3.000	3.125	.562	#	J1134	4.625	4.618	4.750	—	.750	19
J1101	1.500	1.495	1.625	—	.625	19	JV1134	4.625	4.618	4.750	—	.750	19
JV1101	1.500	1.495	1.625	—	.625	19	J1135	4.750	4.743	4.875	—	.750	19
J1102	1.562	1.557	1.687	—	.625	19	JV1135	4.750	4.743	4.875	—	.750	19
JV1102	1.562	1.557	1.687	—	.625	19	J1136	4.875	4.868	5.000	—	.750	19
J1103	1.625	1.620	1.750	—	.625	19	JV1136	4.875	4.868	5.000	—	.750	19
JV1103	1.625	1.620	1.750	—	.625	19	JX1136	4.875	4.868	5.000	—	.750	19
J1105	1.750	1.745	1.875	—	.625	19	J1137	5.000	4.993	5.125	—	.750	19
JV1105	1.750	1.745	1.875	—	.625	19	JV1137	5.000	4.993	5.125	—	.750	19
JX1105	1.750	1.745	1.875	—	.625	19	JX1137	5.000	4.993	5.125	—	.750	19

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ++ Not Sold Separately * Call 1-800-480-1212 For Price and Delivery

Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type/ Illus.	Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type/ Illus.
J1138	5.250	5.243	5.375	—	.750	19	JV1410	1.365	1.360	1.496	—	.625	19
JV1138	5.250	5.243	5.375	—	.750	19	J1425	4.346	4.340	4.906	5.625	.563	#
J1139	5.500	5.493	5.625	—	.750	19	J1427	2.812	2.807	2.943	3.156	1.000	10
JV1139	5.500	5.493	5.625	—	.750	19	JV1427	2.812	2.807	2.937	3.156	1.000	10
J1140	5.750	5.743	5.875	—	.750	19	J1432	1.125	1.120	1.250	—	.625	19
JV1140	5.750	5.743	5.875	—	.750	19	JV1432	1.125	1.120	1.250	—	.625	19
J1141	6.000	5.993	6.125	—	.750	19	JV1455	2.437	2.432	2.562	2.750	.750	10
JV1141	6.000	5.993	6.125	—	.750	19	JV1456	2.125	2.120	2.250	2.437	.750	10
JX1141	6.000	5.993	6.125	6.125	.750	19	JV1461	4.000	3.994	4.125	4.312	.718	10
J1151	4.541	4.535	4.625	—	.468	1	JV1462	4.750	4.743	4.853	5.187	.812	10
JV1152	3.721	3.715	3.805	4.200	.458	19	JV1463	5.500	5.493	5.625	5.812	.875	10
J1155	4.625	4.618	4.739	—	.340	19	JV1464	1.812	1.807	1.937	2.125	.718	10
JV1157	—	2.140	2.331	2.625	.625	—	J1469	3.562	3.556	3.666	3.825	.718	10
J1158	1.125	1.120	1.250	—	.500	19	JV1469	3.562	3.556	3.687	3.825	.718	10
JX1158	1.125	1.120	1.250	—	.500	19	JV1473	4.062	4.056	4.187	4.375	.875	10
J1159	—	4.937	5.128	5.875	.838	8	JV1474	6.875	6.867	7.000	7.187	1.000	10
JV1161	2.567	2.562	3.115	—	.625	#	J1493	1.468	1.463	1.625	—	.625	19
JV1166	3.686	3.680	3.767	—	.625	1	JV1493	1.468	1.463	1.625	—	.625	19
J1172	4.275	4.187	4.375	5.125	.898	8	JV1494	3.500	3.494	3.625	3.937	.718	10
JV1172	4.275	4.187	4.375	5.125	.898	8	JV1500	1.625	1.620	1.755	—	.625	19
J1173	2.890	2.885	3.000	—	1.000	19	JX1505	1.625	1.620	1.750	—	.535	19
JV1173	2.890	2.885	3.000	—	1.000	19	JV1508	3.125	3.118	3.261	3.562	.920	10
JV1179	3.475	3.375	3.573	—	.800	1	JV1509	3.437	3.430	3.566	3.875	.875	10
JV1190	7.375	7.367	7.500	—	.875	19	JV1511	3.937	3.930	4.070	4.375	.875	10
JX1190	7.375	7.367	7.500	—	.875	19	JV1511A	3.930	3.925	4.375	—	.875	#
J1191	3.035	3.030	3.125	3.750	1.070	8	JV1512	4.375	4.368	4.500	4.812	.843	10
J1196	—	8.125	8.250	9.500	.875	8	JV1513	4.500	4.493	4.625	4.937	.912	10
J1197	4.500	4.494	5.500	—	.875	#	J1515	2.750	2.745	2.875	—	.625	19
JV1210	4.260	4.256	4.387	4.625	.656	10	JV1517	3.678	3.670	3.755	—	.625	1
J1211	1.731	1.726	1.812	3.000	1.000	#	JV1550	5.795	5.785	5.880	—	1.000	1
JV1215	2.728	2.722	2.806	—	.590	1	JX1576	2.750	2.745	2.875	—	.750	19
JV1216	2.698	2.690	2.774	—	.953	#	JV1582	3.678	3.670	3.758	—	.625	1
J1235	2.075	2.070	2.125	2.375	.448	10	J1594	.750	.745	.875	—	.500	19
JV1236	3.266	3.260	3.313	—	.453	1	JV1594	.750	.745	.875	—	.500	19
J1238	4.500	4.493	4.625	—	.625	19	J1606	4.875	4.868	5.000	—	.715	19
JX1238	4.500	4.493	4.625	—	.625	19	J1629	—	8.125	8.250	9.375	1.085	#
J1245	5.900	5.890	6.000	7.125	1.035	8	JV1669	7.875	7.867	8.011	—	.750	19
J1246	1.041	1.036	1.125	—	.625	19	JV1673	—	2.799	2.911	3.125	.640	#
JV1246	1.041	1.036	1.125	—	.625	19	JV1704	5.392	5.385	5.500	—	.625	19
JV1252	1.251	1.246	1.375	—	.500	19	J1718	3.375	3.369	3.500	—	1.125	19
JX1252	1.251	1.246	1.375	—	.500	19	JX1747	3.000	2.994	3.125	—	.687	19
J1267	.875	.869	.999	—	.562	19	J1750	3.742	3.732	3.821	—	.500	#
JV1267	.875	.869	.999	—	.562	19	JV1759	7.625	7.617	7.750	—	1.125	19
JV1277	1.375	1.370	1.500	—	.625	19	JV1760	7.750	7.742	7.875	—	1.000	19
J1278	6.875	6.867	7.000	—	.750	19	J1780	2.502	2.498	2.627	—	1.000	19
JV1278	6.875	6.867	7.000	—	.750	19	JV1802	2.375	2.370	2.500	—	1.000	19
J1284	4.535	4.530	4.625	—	.670	#	J1807	1.500	1.495	1.625	—	.415	19
J1288	2.500	2.495	2.625	—	.875	19	JV1808	10.312	10.303	10.479	—	1.125	19
J1289	2.750	2.745	2.875	—	.875	19	J1824	6.081	6.073	6.204	—	1.031	19
J1293	3.500	3.494	3.625	—	.875	19	J1825	6.206	6.198	6.328	—	.812	19
JV1304	2.412	2.400	2.518	—	.435	15	JV1825	6.206	6.198	6.328	—	.812	19
J1355	5.625	5.618	5.750	—	1.000	19	J1828	5.375	5.368	5.500	—	.848	#
JV1355	5.625	5.618	5.750	—	1.000	19	JX1828	5.375	5.368	5.500	—	.848	#
JV1361	3.874	3.868	4.040	4.500	.921	10	JX1831	5.000	4.993	5.125	—	.875	19
JV1362	3.936	3.930	4.042	4.375	.859	#	JV1836	2.236	2.231	2.375	—	.625	19
JV1363	4.500	4.493	4.625	—	.687	19	JV1837	1.980	1.975	2.111	—	.625	19
JX1363	4.500	4.493	4.625	—	.687	19	J1838	6.187	6.180	6.312	—	.848	#
JV1368	3.625	3.619	3.750	—	.625	19	J1842	6.081	6.073	6.204	—	.750	19
JV1371	2.906	2.900	3.000	3.125	.562	#	JV1850	8.125	8.117	8.250	—	1.470	19
JV1373	2.636	2.630	2.722	—	.500	1	JX1867	4.687	4.680	4.812	—	1.240	19
JV1378	—	7.500	7.881	8.562	.781	#	J1869	6.375	6.368	6.500	—	.875	19
J1380	4.090	4.083	—	5.125	.235	#	JV1869	6.375	6.368	6.500	—	.875	19
JX1386	4.646	4.639	4.742	—	.625	19	JV1872	1.062	1.057	1.187	1.437	.640	10
J1396	2.000	1.995	2.125	—	.750	19	JV1873	1.250	1.245	1.375	1.562	.750	10
J1397	1.625	1.620	1.750	—	.750	19	JV1874	3.625	3.619	3.750	4.000	.875	10
J1401	3.125	3.119	3.250	—	.750	19	JV1875	3.250	3.244	3.375	3.625	.750	10
JX1401	3.125	3.119	3.250	—	.750	19	J1876	2.475	2.470	2.625	—	1.125	19
JV1403	1.875	1.870	2.000	—	.625	19	J1880	4.502	4.496	4.627	—	1.000	19
J1405	4.465	4.459	4.575	5.125	.230	14	J1895	6.080	6.073	6.204	—	.600	19
JV1409	1.343	1.338	1.500	—	.625	19	JV1897	—	3.750	3.942	4.250	.500	#

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use

Numerical Section—Wear Sleeves

NATIONAL®



Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type/ Illus.	Part No.	Shaft	I.D.	Eff. Shaft Dia.	Flanged O.D.	Width	Type/ Illus.
JX1920	2.382	2.377	2.491	—	.937	19							
J1929	4.500	4.493	4.625	—	.625	19							
JV1931	—	—	2.515	2.855	.510	#							
JV1935	4.474	4.468	4.604	—	.530	19							
JV1936	3.668	3.662	3.798	—	.530	#							
JV1944	5.400	5.393	5.442	—	.760	1							
* JX1967	4.840	4.834	5.000	—	.750	19							
JV1976	—	4.000	4.630	—	.700	1							
JV1977	—	4.500	5.130	—	.700	1							
JV1978	5.625	5.618	5.754	—	1.250	19							
J1984	9.058	9.048	9.173	—	1.000	19							
JX1990	2.375	2.370	2.500	—	1.000	19							
JV1999	4.875	4.868	5.000	—	1.250	19							
JV2019	2.126	2.121	2.200	2.953	.302	#							
J2037	5.187	5.180	5.312	—	.750	19							
JV2038	4.875	4.868	5.000	—	1.000	19							
JX2045	4.212	4.207	4.325	—	.984	19							
J2053	6.079	6.073	6.204	—	.866	19							
JV2088	5.991	5.986	6.100	—	.455	#							
JX2162	4.834	4.829	4.994	—	.710	#							
JF2280	5.187	5.179	5.312	—	1.380	19							
JF2282	4.687	4.679	4.812	—	1.240	19							
* JG2345	6.500	6.492	6.625	—	.875	19							
* JG2361	6.500	6.492	6.625	—	.750	19							
* JL2361	6.500	6.492	6.625	—	.625	19							
JL2370	5.000	—	5.125	—	.717	19							

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery

Part No.	Shaft Range		Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
	Minimum.	Maximum.				
88176	1.761	1.767	.563	.688	2.063	.813
88179	1.778	1.784	.675	.800	2.125	1.000
88186	1.866	1.872	.889	1.025	2.187	1.000
88187	1.872	1.878	.563	.688	2.203	1.000
88199	1.997	2.003	.563	.688	2.406	1.000
88218	2.186	2.192	.781	.938	2.500	1.313
88225	2.249	2.255	.781	.938	2.531	1.313
88233	2.327	2.333	.750	.875	2.750	1.610
99049	.469	.475	.236	.331	.787	.472
99050	.498	.502	.250	.344	.610	2.008
99056	.560	.566	.250	.391	.750	1.831
99058	.626	.630	.313	.438	.718	2.000
99059	.589	.593	.197	.354	.750	.425
99060	.682	.686	.313	.438	.900	2.000
99062	.623	.627	.313	.406	.813	2.000
99068	.667	.671	.315	.433	1.063	2.008
99075	.748	.752	.375	.500	.900	2.000
99076	.748	.752	.313	.438	.938	2.000
99078	.785	.789	.313	.433	.999	2.000
99080	.780	.784	.313	.438	.935	2.000
99081	.759	.761	.313	.438	.938	2.000
99082	.704	.709	.315	.433	1.063	1.811
99085	.861	.866	.315	.472	1.058	1.813
99086	.857	.861	.250	.375	1.155	2.000
99087	.873	.877	.313	.438	1.093	2.000
99091	.908	.912	.313	.438	1.218	1.847
99094	.966	.970	.313	.438	1.130	2.000
99096	.966	.970	.625	.719	1.130	2.000
99098	.982	.986	.313	.433	1.378	2.000
99101	.998	1.002	.313	.438	1.219	2.000
99103	1.019	1.024	.313	.472	1.312	1.813
99106	1.060	1.064	.313	.438	1.320	2.812
99108	1.087	1.091	.313	.438	1.406	.625
99111	1.100	1.104	.375	.500	1.375	2.813
99112	1.123	1.127	.313	.438	1.575	.688
99114	1.179	1.184	.315	.433	1.400	.688
99118	1.185	1.190	.313	.438	1.400	.875
99120	1.154	1.158	.375	.500	1.350	.688
99122	1.173	1.178	.313	.438	1.575	.688
99123	1.216	1.222	.315	.438	1.575	.688
99125	1.247	1.253	.313	.438	1.500	.688
99128	1.257	1.263	.315	.437	1.496	.709
99129	1.308	1.314	.250	.375	1.600	.813
99131	1.310	1.316	.500	.625	1.594	.813
99133	1.371	1.377	.313	.438	1.638	.813
99134	1.336	1.342	.500	.625	1.638	.813
99138	1.371	1.377	.500	.625	1.638	.813
99139	1.375	1.381	.512	.630	1.638	.812
99141	1.237	1.243	.315	.438	1.540	.688
99143	1.432	1.438	.563	.688	1.781	1.000
99144	1.435	1.441	.375	.500	1.781	1.016
99145	1.453	1.460	.375	.500	1.781	.812
99146	1.412	1.417	.518	.669	1.689	.984
99147	1.490	1.496	.512	.669	1.780	.984
99149	1.497	1.503	.563	.688	1.781	1.000
99150	1.497	1.503	.375	.500	1.781	1.016
99152	1.520	1.526	.438	.563	1.859	1.016
99155	1.549	1.555	.438	.563	1.859	1.000
99156	1.559	1.565	.563	.688	1.859	1.000
99157	1.572	1.578	.512	.630	1.850	1.023
99160	1.602	1.608	.500	.641	1.938	1.000
99161	1.622	1.628	.313	.438	1.875	1.016
99162	1.623	1.628	.563	.688	1.875	.813
99166	1.647	1.654	.445	.571	2.087	.827
99167	1.685	1.691	.313	.438	1.906	.875
99168	1.684	1.690	.563	.688	1.906	.875
99169	1.647	1.654	.563	.688	2.087	.827
99170	1.736	1.742	.375	.500	2.063	.813
99171	1.715	1.721	.563	.688	2.031	.813
99172	1.747	1.753	.375	.500	2.055	.813

Part No.	Shaft Range		Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
	Minimum.	Maximum.				
99174	1.747	1.753	.563	.688	2.063	.813
99175	1.747	1.753	.750	.875	2.063	.813
99176	1.761	1.767	.563	.688	2.063	.813
99177	1.769	1.775	.551	.669	2.087	.812
99179	1.778	1.784	.675	.800	2.125	1.062
99180	1.747	1.753	.531	.625	2.063	.875
99181	1.809	1.815	.563	.688	2.156	1.000
99184	1.872	1.878	.375	.516	2.203	1.050
99185	1.857	1.863	.563	.688	2.156	1.000
99186	1.866	1.872	.889	1.025	2.187	1.000
99187	1.872	1.878	.563	.688	2.203	1.000
99188	1.872	1.878	.295	.415	2.203	.744
99189	1.887	1.893	.551	.668	2.205	.984
99190	1.872	1.878	.175	.295	2.203	.744
99192	1.909	1.915	.375	.500	2.219	1.000
99193	1.934	1.940	.563	.688	2.219	1.000
99196	1.965	1.971	.551	.688	2.244	.984
99198	1.977	1.983	.563	.704	2.313	1.050
99199	1.997	2.003	.563	.688	2.406	1.000
99200	1.997	2.003	.875	1.000	2.406	1.000
99204	2.041	2.047	.500	.625	2.469	1.000
99205	2.057	2.063	.781	.938	2.469	1.375
99210	2.123	2.128	.500	.750	2.422	1.281
99212	2.124	2.130	.781	.938	2.422	1.375
99215	2.162	2.168	.787	.905	2.441	1.250
99218	2.186	2.192	.781	.938	2.500	1.313
99220	2.197	2.205	.500	.625	2.500	1.250
99225	2.249	2.255	.781	.938	2.531	1.313
99226	2.237	2.243	.764	.900	2.562	1.250
99227	2.249	2.255	.313	.438	2.531	1.313
99229	2.227	2.233	.500	.625	2.531	1.313
99230	2.227	2.233	.781	.906	2.531	1.250
99231	2.309	2.315	.781	.938	2.688	1.600
99233	2.327	2.333	.750	.875	2.750	1.610
99235	2.359	2.365	.787	.905	2.785	1.375
99236	2.369	2.375	.781	.938	2.750	1.375
99237	2.374	2.380	.781	.938	2.734	1.375
99238	2.372	2.378	.594	.750	2.750	1.375
99240	2.374	2.380	.526	.683	2.750	1.375
99241	2.359	2.365	.370	.449	2.783	1.472
99242	2.435	2.441	.500	.626	2.827	1.417
99243	2.434	2.440	.781	.938	2.828	1.375
99248	2.500	2.506	.500	.656	2.828	1.375
99249	2.489	2.495	.781	.938	2.875	1.393
99250	2.500	2.506	.781	.938	2.828	1.375
99251	2.510	2.516	.781	.906	2.828	1.438
99253	2.497	2.503	.555	.650	2.820	.890
99254	2.556	2.562	.787	.905	2.850	1.378
99256	2.560	2.566	.781	.938	2.891	1.375
99259	2.595	2.602	.781	.938	2.990	1.250
99260	2.622	2.628	.500	.625	3.047	1.375
99261	2.618	2.624	.781	.938	3.047	1.375
99262	2.625	2.631	.781	.938	3.047	1.375
99264	2.621	2.627	.781	.906	3.047	1.375
99267	2.747	2.753	1.438	1.625	3.075	1.625
99268	2.727	2.733	.781	.906	3.125	1.313
99269	2.750	2.756	1.125	1.250	3.125	1.250
99270	2.747	2.753	.781	.906	3.125	1.250
99272	2.750	2.756	.406	.563	3.125	1.250
99273	2.740	2.746	.781	.938	3.065	1.250
99274	2.745	2.751	.781	.938	3.125	1.250
99275	2.750	2.756	.781	.938	3.125	1.250
99276	2.753	2.759	.787	.945	3.125	1.250
99281	2.809	2.815	.594	.688	3.188	1.250
99282	2.838	2.844	.500	.656	3.225	1.250
99286	2.866	2.872	.781	.938	3.188	1.250
99287	2.873	2.879	.781	.938	3.219	1.250
99289	2.950	2.956	.594	.689	3.272	1.102
99290	2.937	2.943	.500	.641	3.344	1.331
99291	2.990	2.996	.484	.625	3.359	1.331

Part No.	Shaft Range		Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
	Minimum.	Maximum.				
99292	2.972	2.976	.813	—	—	—
99293	2.937	2.943	.781	.938	3.344	1.250
99294	2.950	2.956	.866	1.024	3.305	1.312
99296	2.997	3.003	.813	.938	3.240	1.375
99298	2.990	2.996	.563	.688	3.359	1.375
99299	2.990	2.996	.813	1.000	3.359	1.250
99300	3.000	3.006	.813	1.000	3.453	1.250
99301	3.008	3.014	.500	.625	3.355	2.000
99303	3.000	3.006	.625	.813	3.345	1.063
99307	3.124	3.132	.551	.709	3.525	2.031
99311	3.120	3.126	.688	.813	3.531	2.000
99312	3.120	3.126	.813	1.000	3.531	2.000
99313	3.142	3.150	.750	.886	3.540	1.375
99315	3.146	3.153	.827	.945	3.543	1.375
99317	3.146	3.153	.433	.590	3.543	1.378
99322	3.247	3.253	.813	1.000	3.594	1.375
99323	3.248	3.254	.600	.725	3.585	1.375
99324	3.250	3.256	.595	.719	3.594	1.375
99325	3.250	3.256	.813	1.000	3.594	1.375
99326	3.250	3.256	.688	.875	3.585	1.250
99328	3.225	3.231	.661	.850	3.587	1.732
99331	3.307	3.313	.813	1.000	3.688	1.375
99333	3.337	3.346	.827	.984	3.700	1.378
99334	3.338	3.346	.827	.984	3.697	1.433
99337	3.373	3.379	.813	1.000	3.688	1.375
99338	3.373	3.379	.375	.500	3.688	1.410
99339	3.435	3.441	.781	.906	3.844	1.406
99340	3.477	3.483	.781	.906	3.835	1.406
99347	3.500	3.506	.315	.500	3.827	1.339
99349	3.501	3.507	.626	.811	3.842	1.339
99350	3.500	3.506	.813	1.000	3.844	1.375
99351	3.540	3.546	.710	.906	4.000	1.813
99353	3.540	3.546	.528	.665	4.000	1.732
99354	3.540	3.546	.906	1.102	4.000	1.750
99356	3.560	3.566	.813	1.000	3.900	1.750
99359	3.685	3.691	.813	.938	4.025	1.750
99360	3.618	3.624	.811	1.000	4.031	1.732
99362	3.623	3.629	.813	1.000	4.031	1.750
99363	3.623	3.629	.500	.625	4.025	1.750
99364	3.740	3.746	.469	.594	4.035	1.750
99365	3.685	3.691	.813	.938	4.025	1.750
99367	3.750	3.756	.344	.500	4.031	1.750
99368	3.684	3.690	.313	.438	3.830	.875
99369	3.737	3.743	.827	.945	4.025	1.750
99372	3.750	3.756	.688	.875	4.031	1.875
99374	3.740	3.746	.344	.500	4.031	1.750
99376	3.746	3.752	.563	.688	4.025	1.750
99387	3.873	3.879	.813	1.000	4.219	1.875
99393	3.935	3.941	.813	1.000	4.313	1.340
99395	3.998	4.006	.600	.725	—	2.050
99399	3.998	4.006	.813	1.000	4.375	1.250
99400	3.998	4.006	.650	.775	4.375	1.375
99401	3.998	4.006	.500	.625	4.375	2.066
99412	4.122	4.130	.813	1.000	4.420	1.375
99413	4.130	4.138	.787	.906	4.470	1.378
99418	4.183	4.191	.813	1.000	4.500	1.375
99423	4.226	4.234	.781	.906	4.610	1.438
99424	4.248	4.256	.813	1.000	4.813	1.375
99435	4.327	4.335	.509	.650	4.921	1.250
99437	4.370	4.378	.813	1.000	4.750	1.650
99439	4.434	4.442	1.000	1.142	4.813	1.313
99450	4.496	4.504	.813	1.000	5.000	1.375
99452	4.523	4.531	.813	.938	5.000	1.250
99463	4.621	4.629	1.000	1.250	5.063	1.375
99465	4.621	4.629	.438	.625	5.000	1.375
99468	4.685	4.693	.812	1.000	5.062	1.375
99472	4.801	4.807	.787	.945	5.177	1.260
99473	4.720	4.728	.787	.984	5.110	1.260
99475	4.746	4.754	.500	.750	5.250	1.500
99487	4.871	4.879	.625	.752	5.252	1.457

Numerical Section—Redi-Sleeves

NATIONAL®



Part No.	Shaft Range		Width on Shaft	Overall Width	Flanged O.D.	Installation Depth
	Minimum.	Maximum.				
99490	4.917	4.925	.394	.551	5.402	1.457
99491	5.117	5.125	.866	.996	5.492	1.299
99492	4.917	4.925	1.024	1.260	5.400	1.438
99494	5.110	5.118	.750	.938	5.493	1.181
99498	4.998	5.006	.688	.875	5.400	1.438
99499	4.998	5.006	.813	1.000	5.406	1.500
99525	5.246	5.254	.813	1.000	5.560	1.250
99537	5.371	5.379	.813	1.000	5.875	1.250
99549	5.498	5.506	.812	1.000	5.938	1.250
99552	5.508	5.516	.807	1.000	5.945	1.250
99575	5.746	5.754	.813	1.000	6.180	1.750
99587	5.871	5.879	1.000	1.250	6.188	1.313
99595	5.895	5.905	1.024	1.181	6.260	1.338
99596	5.934	5.942	1.000	1.125	6.375	1.875
99599	5.995	6.003	1.000	1.250	6.375	1.750
99601	5.995	6.003	.500	.750	6.360	1.750
99606	6.092	6.102	1.024	1.181	6.500	1.299
99625	6.245	6.255	1.031	1.250	6.625	1.750
99630	6.289	6.299	1.000	1.250	7.000	1.800
99640	6.683	6.693	1.250	1.496	7.188	1.750
99650	6.495	6.505	1.000	1.250	7.000	1.750
99675	6.745	6.755	.813	1.063	7.125	1.750
99700	6.995	7.005	1.000	1.250	7.500	1.750
99721	7.077	7.087	1.300	1.496	7.500	1.752
99725	7.244	7.254	1.250	1.500	7.760	2.175
99750	7.495	7.505	.813	1.000	7.875	1.250
99775	7.745	7.755	1.000	1.313	8.270	1.875
99787	7.869	7.879	1.359	1.500	8.375	1.750
99799	7.933	7.943	1.000	1.250	8.375	1.750
99800	7.995	8.005	1.000	1.250	8.375	1.750

National Part No.	Mat'l Code	Style	Shaft Size Metric (d1)	Shaft Size Inch Min. (d1)	Shaft Size Inch Max. (d1)	Width On Shaft (A)	Overall Width (B)	Height (c)	Fitted Width (B1)	Width Tolerance (+/-)
800030	S	VRS1	3	0.11	0.14	0.08	0.12	0.06	0.10	0.012
800034	V	VRS1	3	0.11	0.14	0.08	0.12	0.06	0.10	0.012
800040	S	VRS1	4	0.14	0.18	0.09	0.15	0.08	0.12	0.016
800044	V	VRS1	4	0.14	0.18	0.09	0.15	0.08	0.12	0.016
800050	S	VRS1	5	0.18	0.21	0.09	0.15	0.08	0.12	0.016
800051	S	VRS2	5	0.18	0.21	0.15	0.21	0.08	0.18	0.016
800054	V	VRS1	5	0.18	0.21	0.09	0.15	0.08	0.12	0.016
800055	V	VRS2	5	0.18	0.21	0.15	0.21	0.08	0.18	0.016
800060	S	VRS1	6	0.21	0.26	0.09	0.15	0.08	0.12	0.016
800061	S	VRS2	6	0.21	0.26	0.15	0.21	0.08	0.18	0.016
800064	V	VRS1	6	0.21	0.26	0.09	0.15	0.08	0.12	0.016
800065	V	VRS2	6	0.21	0.26	0.15	0.21	0.08	0.18	0.016
800070	S	VRS1	7	0.26	0.31	0.09	0.15	0.08	0.12	0.016
800071	S	VRS2	7	0.26	0.31	0.15	0.21	0.08	0.18	0.016
800074	V	VRS1	7	0.26	0.31	0.09	0.15	0.08	0.12	0.016
800075	V	VRS2	7	0.26	0.31	0.15	0.21	0.08	0.18	0.016
800080	S	VRS1	8	0.31	0.37	0.09	0.15	0.08	0.12	0.016
800081	S	VRS2	8	0.31	0.37	0.15	0.21	0.08	0.18	0.016
800084	V	VRS1	8	0.31	0.37	0.09	0.15	0.08	0.12	0.016
800085	V	VRS2	8	0.31	0.37	0.15	0.21	0.08	0.18	0.016
800100	S	VRS1	10	0.37	0.45	0.13	0.22	0.12	0.18	0.020
800101	S	VRS2	10	0.37	0.45	0.22	0.30	0.12	0.26	0.020
800104	V	VRS1	10	0.37	0.45	0.13	0.22	0.12	0.18	0.020
800105	V	VRS2	10	0.37	0.45	0.22	0.30	0.12	0.26	0.020
800120	S	VRS1	12	0.45	0.49	0.13	0.22	0.12	0.18	0.020
800121	S	VRS2	12	0.45	0.49	0.22	0.30	0.12	0.26	0.020
800124	V	VRS1	12	0.45	0.49	0.13	0.22	0.12	0.18	0.020
800125	V	VRS2	12	0.45	0.49	0.22	0.30	0.12	0.26	0.020
800130	S	VRS1	13	0.49	0.53	0.13	0.22	0.12	0.18	0.020
800134	V	VRS1	13	0.49	0.53	0.13	0.22	0.12	0.18	0.020
800140	S	VRS1	14	0.53	0.61	0.13	0.22	0.12	0.18	0.020
800141	S	VRS2	14	0.53	0.61	0.22	0.30	0.12	0.26	0.020
800144	V	VRS1	14	0.53	0.61	0.13	0.22	0.12	0.18	0.020
800145	V	VRS2	14	0.53	0.61	0.22	0.30	0.12	0.26	0.020
800160	S	VRS1	16	0.61	0.69	0.13	0.22	0.12	0.18	0.020
800161	S	VRS2	16	0.61	0.69	0.22	0.30	0.12	0.26	0.020
800164	V	VRS1	16	0.61	0.69	0.13	0.22	0.12	0.18	0.020
800165	V	VRS2	16	0.61	0.69	0.22	0.30	0.12	0.26	0.020
800180	S	VRS1	18	0.69	0.75	0.13	0.22	0.12	0.18	0.020
800181	S	VRS2	18	0.69	0.75	0.22	0.30	0.12	0.26	0.020
800184	V	VRS1	18	0.69	0.75	0.13	0.22	0.12	0.18	0.020
800185	V	VRS2	18	0.69	0.75	0.22	0.30	0.12	0.26	0.020
800200	S	VRS1	20	0.75	0.83	0.18	0.30	0.16	0.24	0.030
800201	S	VRS2	20	0.75	0.83	0.31	0.41	0.16	0.35	0.030
800204	V	VRS1	20	0.75	0.83	0.18	0.30	0.16	0.24	0.030
800205	V	VRS2	20	0.75	0.83	0.31	0.41	0.16	0.35	0.030
800220	S	VRS1	22	0.83	0.95	0.18	0.30	0.16	0.24	0.030
800221	S	VRS2	22	0.83	0.95	0.31	0.41	0.16	0.35	0.030
800224	V	VRS1	22	0.83	0.95	0.18	0.30	0.16	0.24	0.030
800225	V	VRS2	22	0.83	0.95	0.31	0.41	0.16	0.35	0.030
800250	S	VRS1	25	0.95	1.07	0.18	0.30	0.16	0.24	0.030
800251	S	VRS2	25	0.95	1.07	0.31	0.41	0.16	0.35	0.030
800254	V	VRS1	25	0.95	1.07	0.18	0.30	0.16	0.24	0.030
800255	V	VRS2	25	0.95	1.07	0.31	0.41	0.16	0.35	0.030
800280	S	VRS1	28	1.07	1.14	0.18	0.30	0.16	0.24	0.030
800281	S	VRS2	28	1.07	1.14	0.31	0.41	0.16	0.35	0.030
800284	V	VRS1	28	1.07	1.14	0.18	0.30	0.16	0.24	0.030
800285	V	VRS2	28	1.07	1.14	0.31	0.41	0.16	0.35	0.030
800300	S	VRS1	30	1.14	1.22	0.18	0.30	0.16	0.24	0.030
800301	S	VRS2	30	1.14	1.22	0.31	0.41	0.16	0.35	0.030
800304	V	VRS1	30	1.14	1.22	0.18	0.30	0.16	0.24	0.030
800305	V	VRS2	30	1.14	1.22	0.31	0.41	0.16	0.35	0.030
800320	S	VRS1	32	1.22	1.30	0.18	0.30	0.16	0.24	0.030
800321	S	VRS2	32	1.22	1.30	0.31	0.41	0.16	0.35	0.030
800324	V	VRS1	32	1.22	1.30	0.18	0.30	0.16	0.24	0.030
800325	V	VRS2	32	1.22	1.30	0.31	0.41	0.16	0.35	0.030
800350	S	VRS1	35	1.30	1.42	0.18	0.30	0.16	0.24	0.030
800351	S	VRS2	35	1.30	1.42	0.31	0.41	0.16	0.35	0.030
800354	V	VRS1	35	1.30	1.42	0.18	0.30	0.16	0.24	0.030
800355	V	VRS2	36	1.30	1.42	0.31	0.41	0.16	0.35	0.030
800380	S	VRS1	38	1.42	1.50	0.18	0.30	0.16	0.24	0.030
800381	S	VRS2	38	1.42	1.50	0.31	0.41	0.16	0.35	0.030
800384	V	VRS1	38	1.42	1.50	0.18	0.30	0.16	0.24	0.030
800385	V	VRS2	38	1.42	1.50	0.31	0.41	0.16	0.35	0.030
800400	S	VRS1	40	1.50	1.70	0.21	0.35	0.20	0.28	0.040
800401	S	VRS2	40	1.50	1.70	0.37	0.51	0.20	0.43	0.040

Select the larger V-Seal when the dimension d1 is on the boundary between two sizes. All dimensions in inches unless noted.

V-Seals

NATIONAL[®]

National Part No.	Mat'l Code	Style	Shaft Size Metric (d1)	Shaft Size Inch Min. (d1)	Shaft Size Inch Max. (d1)	Width On Shaft (A)	Overall Width (B)	Height (c)	Fitted Width (B1)	Width Tolerance (+/-)
800404	V	VRS1	40	1.50	1.70	0.21	0.35	0.20	0.28	0.040
800405	V	VRS2	40	1.50	1.70	0.37	0.51	0.20	0.43	0.040
800450	S	VRS1	45	1.70	1.89	0.21	0.35	0.20	0.28	0.040
800451	S	VRS2	45	1.70	1.89	0.37	0.51	0.20	0.43	0.040
800454	V	VRS1	45	1.70	1.89	0.21	0.35	0.20	0.28	0.040
800455	V	VRS2	45	1.70	1.89	0.37	0.51	0.20	0.43	0.040
800500	S	VRS1	50	1.89	2.09	0.21	0.35	0.20	0.28	0.040
800501	S	VRS2	50	1.89	2.09	0.37	0.51	0.20	0.43	0.040
800504	V	VRS1	50	1.89	2.09	0.21	0.35	0.20	0.28	0.040
800505	V	VRS2	50	1.89	2.09	0.37	0.51	0.20	0.43	0.040
800550	S	VRS1	55	2.09	2.29	0.21	0.35	0.20	0.28	0.040
800551	S	VRS2	55	2.09	2.29	0.37	0.51	0.20	0.43	0.040
800554	V	VRS1	55	2.09	2.29	0.21	0.35	0.20	0.28	0.040
800555	V	VRS2	55	2.09	2.29	0.37	0.51	0.20	0.43	0.040
800600	S	VRS1	60	2.29	2.48	0.21	0.35	0.20	0.28	0.040
800601	S	VRS2	60	2.29	2.48	0.37	0.51	0.20	0.43	0.040
800604	V	VRS1	60	2.29	2.48	0.21	0.35	0.20	0.28	0.040
800605	V	VRS2	60	2.29	2.48	0.37	0.51	0.20	0.43	0.040
800650	S	VRS1	65	2.48	2.68	0.21	0.35	0.20	0.28	0.040
800651	S	VRS2	65	2.48	2.68	0.37	0.51	0.20	0.43	0.040
800654	V	VRS1	65	2.48	2.68	0.21	0.35	0.20	0.28	0.040
800655	V	VRS2	65	2.48	2.68	0.37	0.51	0.20	0.43	0.040
800700	S	VRS1	70	2.68	2.88	0.26	0.43	0.24	0.35	0.050
800701	S	VRS2	70	2.68	2.88	0.44	0.61	0.24	0.53	0.050
800704	V	VRS1	70	2.68	2.88	0.26	0.43	0.24	0.35	0.050
800705	V	VRS2	70	2.68	2.88	0.44	0.61	0.24	0.53	0.050
800750	S	VRS1	75	2.88	3.07	0.26	0.43	0.24	0.35	0.050
800751	S	VRS2	75	2.88	3.07	0.44	0.61	0.24	0.53	0.050
800754	V	VRS1	75	2.88	3.07	0.26	0.43	0.24	0.35	0.050
800755	V	VRS2	75	2.88	3.07	0.44	0.61	0.24	0.53	0.050
800800	S	VRS1	80	3.07	3.27	0.26	0.43	0.24	0.35	0.050
800801	S	VRS2	80	3.07	3.27	0.44	0.61	0.24	0.53	0.050
800804	V	VRS1	80	3.07	3.27	0.26	0.43	0.24	0.35	0.050
800805	V	VRS2	80	3.07	3.27	0.44	0.61	0.24	0.53	0.050
800850	S	VRS1	85	3.27	3.47	0.26	0.43	0.24	0.35	0.050
800851	S	VRS2	85	3.27	3.47	0.44	0.61	0.24	0.53	0.050
800854	V	VRS1	85	3.27	3.47	0.26	0.43	0.24	0.35	0.050
800855	V	VRS2	85	3.27	3.47	0.44	0.61	0.24	0.53	0.050
800900	S	VRS1	90	3.47	3.66	0.26	0.43	0.24	0.35	0.050
800901	S	VRS2	90	3.47	3.66	0.44	0.61	0.24	0.53	0.050
800904	V	VRS1	90	3.47	3.66	0.26	0.43	0.24	0.35	0.050
800905	V	VRS2	90	3.47	3.66	0.44	0.61	0.24	0.53	0.050
800950	S	VRS1	95	3.66	3.86	0.26	0.43	0.24	0.35	0.050
800951	S	VRS2	95	3.66	3.86	0.44	0.61	0.24	0.53	0.050
800954	V	VRS1	95	3.66	3.86	0.26	0.43	0.24	0.35	0.050
800955	V	VRS2	95	3.66	3.86	0.44	0.61	0.24	0.53	0.050
801000	S	VRS1	100	3.86	4.14	0.26	0.43	0.24	0.35	0.050
801001	S	VRS2	100	3.86	4.14	0.44	0.61	0.24	0.53	0.050
801004	V	VRS1	100	3.86	4.14	0.26	0.43	0.24	0.35	0.050
801005	V	VRS2	100	3.86	4.14	0.44	0.61	0.24	0.53	0.050
801100	S	VRS1	110	4.14	4.53	0.31	0.50	0.28	0.41	0.060
801101	S	VRS2	110	4.14	4.53	0.52	0.71	0.28	0.61	0.060
801104	V	VRS1	110	4.14	4.53	0.31	0.50	0.28	0.41	0.060
801105	V	VRS2	110	4.14	4.53	0.52	0.71	0.28	0.61	0.060
801200	S	VRS1	120	4.53	4.92	0.31	0.50	0.28	0.41	0.060
801201	S	VRS2	120	4.53	4.92	0.52	0.71	0.28	0.61	0.060
801204	V	VRS1	120	4.53	4.92	0.31	0.50	0.28	0.41	0.060
801205	V	VRS2	120	4.53	4.92	0.52	0.71	0.28	0.61	0.060
801300	S	VRS1	130	4.92	5.32	0.31	0.50	0.28	0.41	0.060
801301	S	VRS2	130	4.92	5.32	0.52	0.71	0.28	0.61	0.060
801304	V	VRS1	130	4.92	5.32	0.31	0.50	0.28	0.41	0.060
801305	V	VRS2	130	4.92	5.32	0.52	0.71	0.28	0.61	0.060
801400	S	VRS1	140	5.32	5.71	0.31	0.50	0.28	0.41	0.060
801401	S	VRS2	140	5.32	5.71	0.52	0.71	0.28	0.61	0.060
801402	S	VRS3	140	5.32	5.71	0.24	0.41	0.26	0.31	0.060
801404	V	VRS1	140	5.32	5.71	0.31	0.50	0.28	0.41	0.060
801405	V	VRS2	140	5.32	5.71	0.52	0.71	0.28	0.61	0.060
801406	V	VRS3	140	5.32	5.71	0.24	0.41	0.26	0.31	0.060
801500	S	VRS1	150	5.71	6.10	0.31	0.50	0.28	0.41	0.060
801501	S	VRS2	150	5.71	6.10	0.52	0.71	0.28	0.61	0.060
801502	S	VRS3	150	5.71	6.10	0.24	0.41	0.26	0.31	0.060
801504	V	VRS1	150	5.71	6.10	0.31	0.50	0.28	0.41	0.060
801505	V	VRS2	150	5.71	6.10	0.52	0.71	0.28	0.61	0.060
801506	V	VRS3	150	5.71	6.10	0.24	0.41	0.26	0.31	0.060
801600	S	VRS1	160	6.10	6.50	0.35	0.57	0.32	0.47	0.070
801601	S	VRS2	160	6.10	6.50	0.59	0.81	0.32	0.71	0.070

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National Part No.	Mat'l Code	Style	Shaft Size Metric (d1)	Shaft Size Inch Min. (d1)	Shaft Size Inch Max. (d1)	Width On Shaft (A)	Overall Width (B)	Height (c)	Fitted Width (B1)	Width Tolerance (+/-)
801602	S	VRS3	160	6.10	6.50	0.24	0.41	0.26	0.31	0.060
801604	V	VRS1	160	6.10	6.50	0.35	0.57	0.32	0.47	0.070
801605	V	VRS2	160	6.10	6.50	0.59	0.81	0.32	0.71	0.070
801606	V	VRS3	160	6.10	6.50	0.24	0.41	0.26	0.31	0.060
801700	S	VRS1	170	6.50	6.89	0.35	0.57	0.32	0.47	0.070
801701	S	VRS2	170	6.50	6.89	0.59	0.81	0.32	0.71	0.070
801702	S	VRS3	170	6.50	6.89	0.24	0.41	0.26	0.31	0.060
801704	V	VRS1	170	6.50	6.89	0.35	0.57	0.32	0.47	0.070
801705	V	VRS2	170	6.50	6.89	0.59	0.81	0.32	0.71	0.070
801706	V	VRS3	170	6.50	6.89	0.24	0.41	0.26	0.31	0.060
801800	S	VRS1	180	6.89	7.29	0.35	0.57	0.32	0.47	0.070
801801	S	VRS2	180	6.89	7.29	0.59	0.81	0.32	0.71	0.070
801802	S	VRS3	180	6.89	7.29	0.24	0.41	0.26	0.31	0.060
801804	V	VRS1	180	6.89	7.29	0.35	0.57	0.32	0.47	0.070
801805	V	VRS2	180	6.89	7.29	0.59	0.81	0.32	0.71	0.070
801806	V	VRS3	180	6.89	7.29	0.24	0.41	0.26	0.31	0.060
801900	S	VRS1	190	7.29	7.68	0.35	0.57	0.32	0.47	0.070
801901	S	VRS2	190	7.29	7.68	0.59	0.81	0.32	0.71	0.070
801902	S	VRS3	190	7.29	7.68	0.24	0.41	0.26	0.31	0.060
801904	V	VRS1	190	7.29	7.68	0.35	0.57	0.32	0.47	0.070
801905	V	VRS2	190	7.29	7.68	0.59	0.81	0.32	0.71	0.070
801906	V	VRS3	190	7.29	7.68	0.24	0.41	0.26	0.31	0.060
801990	S	VRS1	199	7.68	8.27	0.35	0.57	0.32	0.47	0.070
801991	S	VRS2	199	7.68	8.27	0.59	0.81	0.32	0.71	0.070
801994	V	VRS1	199	7.68	8.27	0.35	0.57	0.32	0.47	0.070
801995	V	VRS2	199	7.68	8.27	0.59	0.81	0.32	0.71	0.070
802000	S	VRS1	200	7.48	8.27	0.56	0.98	0.59	0.79	0.160
802002	S	VRS3	200	7.48	8.27	0.24	0.41	0.26	0.31	0.060
802004	V	VRS1	200	7.48	8.27	0.56	0.98	0.59	0.79	0.160
802006	V	VRS3	200	7.48	8.27	0.24	0.41	0.26	0.31	0.060
802200	S	VRS1	220	8.27	9.25	0.56	0.98	0.59	0.79	0.160
802202	S	VRS3	220	8.27	9.25	0.24	0.41	0.26	0.31	0.060
802204	V	VRS1	220	8.27	9.25	0.56	0.98	0.59	0.79	0.160
802206	V	VRS3	220	8.27	9.25	0.24	0.41	0.26	0.31	0.060
802500	S	VRS1	250	9.25	10.43	0.56	0.98	0.59	0.79	0.160
802502	S	VRS3	250	9.25	10.43	0.24	0.41	0.26	0.31	0.060
802504	V	VRS1	250	9.25	10.43	0.56	0.98	0.59	0.79	0.160
802506	V	VRS3	250	9.25	10.43	0.24	0.41	0.26	0.31	0.060
802750	S	VRS1	275	10.43	11.42	0.56	0.98	0.59	0.79	0.160
802752	S	VRS3	275	10.43	11.42	0.24	0.41	0.26	0.31	0.060
802754	V	VRS1	275	10.43	11.42	0.56	0.98	0.59	0.79	0.160
802756	V	VRS3	275	10.43	11.42	0.24	0.41	0.26	0.31	0.060
803000	S	VRS1	300	11.42	12.20	0.56	0.98	0.59	0.79	0.160
803002	S	VRS3	300	11.42	12.20	0.24	0.41	0.26	0.31	0.060
803004	V	VRS1	300	11.42	12.20	0.56	0.98	0.59	0.79	0.160
803006	V	VRS3	300	11.42	12.20	0.24	0.41	0.26	0.31	0.060
803250	S	VRS1	325	12.20	13.19	0.56	0.98	0.59	0.79	0.160
803252	S	VRS3	325	12.20	13.19	0.24	0.41	0.26	0.31	0.060
803254	V	VRS1	325	12.20	13.19	0.56	0.98	0.59	0.79	0.160
803256	V	VRS3	325	12.20	13.19	0.24	0.41	0.26	0.31	0.060
803500	S	VRS1	350	13.19	14.37	0.56	0.98	0.59	0.79	0.160
803502	S	VRS3	350	13.19	14.37	0.24	0.41	0.26	0.31	0.060
803504	V	VRS1	350	13.19	14.37	0.56	0.98	0.59	0.79	0.160
803506	V	VRS3	350	13.19	14.37	0.24	0.41	0.26	0.31	0.060
803750	S	VRS1	375	14.37	15.35	0.56	0.98	0.59	0.79	0.160
803752	S	VRS3	375	14.37	15.35	0.24	0.41	0.26	0.31	0.060
803754	V	VRS1	375	14.37	15.35	0.56	0.98	0.59	0.79	0.160
803756	V	VRS3	375	14.37	15.35	0.24	0.41	0.26	0.31	0.060
804000	S	VRS1	400	15.35	16.93	0.56	0.98	0.59	0.79	0.160
804002	S	VRS3	400	15.35	16.93	0.24	0.41	0.26	0.31	0.060
804004	V	VRS1	400	15.35	16.93	0.56	0.98	0.59	0.79	0.160
804006	V	VRS3	400	15.35	16.93	0.24	0.41	0.26	0.31	0.060
804500	S	VRS1	450	16.93	18.90	0.56	0.98	0.59	0.79	0.160
804502	S	VRS3	450	16.93	18.90	0.24	0.41	0.26	0.31	0.060
804503	S	VRS4	450	17.72	17.91	0.56	0.98	0.59	0.79	0.160
804504	V	VRS1	450	16.93	18.90	0.56	0.98	0.59	0.79	0.160
804506	V	VRS3	450	16.93	18.90	0.24	0.41	0.26	0.31	0.060
805000	S	VRS1	500	18.90	20.87	0.56	0.98	0.59	0.79	0.160
805002	S	VRS3	500	18.90	20.87	0.24	0.41	0.26	0.31	0.060
805003	S	VRS4	500	19.69	19.88	0.56	0.98	0.59	0.79	0.160
805004	V	VRS1	500	18.90	20.87	0.56	0.98	0.59	0.79	0.160
805103	S	VRS4	510	20.08	20.28	0.56	0.98	0.59	0.79	0.160
805203	S	VRS4	520	20.47	20.67	0.56	0.98	0.59	0.79	0.160
805303	S	VRS4	530	20.87	21.06	0.56	0.98	0.59	0.79	0.160
805403	S	VRS4	540	21.26	21.46	0.56	0.98	0.59	0.79	0.160
805500	S	VRS1	550	20.87	22.83	0.56	0.98	0.59	0.79	0.160

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V-Seals

NATIONAL®



National Part No.	Mat'l Code	Style	Shaft Size Metric (d1)	Shaft Size Inch Min. (d1)	Shaft Size Inch Max. (d1)	Width On Shaft (A)	Overall Width (B)	Height (c)	Fitted Width (B1)	Width Tolerance (+/-)
805502	S	VRS3	550	20.87	22.83	0.24	0.41	0.26	0.31	0.060
805503	S	VRS4	550	21.65	21.85	0.56	0.98	0.59	0.79	0.160
805504	V	VRS1	550	20.87	22.83	0.56	0.98	0.59	0.79	0.160
805603	S	VRS4	560	22.05	22.24	0.56	0.98	0.59	0.79	0.160
805703	S	VRS4	570	22.44	22.64	0.56	0.98	0.59	0.79	0.160
805803	S	VRS4	580	22.84	23.03	0.56	0.98	0.59	0.79	0.160
805903	S	VRS4	590	23.23	23.62	0.56	0.98	0.59	0.79	0.160
806000	S	VRS1	600	22.83	24.80	0.56	0.98	0.59	0.79	0.160
806002	S	VRS3	600	22.83	24.80	0.24	0.41	0.26	0.31	0.060
806003	S	VRS4	600	23.62	24.02	0.56	0.98	0.59	0.79	0.160
806004	V	VRS1	600	22.83	24.80	0.56	0.98	0.59	0.79	0.160
806103	S	VRS4	610	24.02	24.41	0.56	0.98	0.59	0.79	0.160
806203	S	VRS4	620	24.41	24.80	0.56	0.98	0.59	0.79	0.160
806303	S	VRS4	630	24.80	25.20	0.56	0.98	0.59	0.79	0.160
806403	S	VRS4	640	25.20	25.59	0.56	0.98	0.59	0.79	0.160
806500	S	VRS1	650	24.80	26.18	0.56	0.98	0.59	0.79	0.160
806503	S	VRS4	650	25.59	25.98	0.56	0.98	0.59	0.79	0.160
806903	S	VRS4	690	27.10	27.50	0.56	0.98	0.59	0.79	0.160
807000	S	VRS1	700	26.18	27.76	0.56	0.98	0.59	0.79	0.160
807003	S	VRS4	700	27.56	27.95	0.56	0.98	0.59	0.79	0.160
807250	S	VRS1	725	27.76	29.33	0.56	0.98	0.59	0.79	0.160
807500	S	VRS1	750	29.33	30.91	0.56	0.98	0.59	0.79	0.160
807503	S	VRS4	750	29.53	29.84	0.56	0.98	0.59	0.79	0.160
807803	S	VRS4	780	30.40	30.80	0.56	0.98	0.59	0.79	0.160
808000	S	VRS1	800	30.91	32.68	0.56	0.98	0.59	0.79	0.160
808003	S	VRS4	800	31.18	31.54	0.56	0.98	0.59	0.79	0.160
808203	S	VRS4	820	31.50	33.26	0.56	0.98	0.59	0.79	0.160
808500	S	VRS1	850	32.68	34.45	0.56	0.98	0.59	0.79	0.160
808503	S	VRS4	850	33.11	33.50	0.56	0.98	0.59	0.79	0.160
809000	S	VRS1	900	34.45	36.22	0.56	0.98	0.59	0.79	0.160
809003	S	VRS4	900	35.12	35.91	0.56	0.98	0.59	0.79	0.160
809500	S	VRS1	950	36.22	37.99	0.56	0.98	0.59	0.79	0.160
809503	S	VRS4	950	37.17	37.60	0.56	0.98	0.59	0.79	0.160
810000	S	VRS1	1000	37.99	39.96	0.56	0.98	0.59	0.79	0.160
810003	S	VRS4	1000	39.33	39.76	0.56	0.98	0.59	0.79	0.160
810500	S	VRS1	1050	39.96	41.93	0.56	0.98	0.59	0.79	0.160
810603	S	VRS4	1060	41.10	41.90	0.56	0.98	0.59	0.79	0.160
811000	S	VRS1	1100	41.93	43.90	0.56	0.98	0.59	0.79	0.160
811003	S	VRS4	1100	42.72	43.50	0.56	0.98	0.59	0.79	0.160
811500	S	VRS1	1150	43.90	45.87	0.56	0.98	0.59	0.79	0.160
812000	S	VRS1	1200	45.87	47.84	0.56	0.98	0.59	0.79	0.160
812003	S	VRS4	1200	46.65	47.44	0.56	0.98	0.59	0.79	0.160
812500	S	VRS1	1250	47.84	50.00	0.56	0.98	0.59	0.79	0.160
813000	S	VRS1	1300	50.00	51.97	0.56	0.98	0.59	0.79	0.160
813003	S	VRS4	1300	50.98	51.77	0.56	0.98	0.59	0.79	0.160
813500	S	VRS1	1300	51.97	53.94	0.56	0.98	0.59	0.79	0.160
813503	S	VRS4	1350	52.76	53.74	0.56	0.98	0.59	0.79	0.160
814000	S	VRS1	1400	53.94	55.91	0.56	0.98	0.59	0.79	0.160
814003	S	VRS4	1400	54.72	55.71	0.56	0.98	0.59	0.79	0.160
814500	S	VRS1	1450	55.91	57.87	0.56	0.98	0.59	0.79	0.160
814503	S	VRS4	1450	56.69	57.68	0.56	0.98	0.59	0.79	0.160
815000	S	VRS1	1500	57.87	59.84	0.56	0.98	0.59	0.79	0.160
815003	S	VRS4	1500	58.66	59.65	0.56	0.98	0.59	0.79	0.160
815500	S	VRS1	1550	59.84	61.81	0.56	0.98	0.59	0.79	0.160
815503	S	VRS4	1550	60.63	61.81	0.56	0.98	0.59	0.79	0.160
816000	S	VRS1	1600	61.81	63.78	0.56	0.98	0.59	0.79	0.160
816003	S	VRS4	1600	62.99	64.57	0.56	0.98	0.59	0.79	0.160
816500	S	VRS1	1650	63.78	65.75	0.56	0.98	0.59	0.79	0.160
816503	S	VRS4	1650	64.57	66.14	0.56	0.98	0.59	0.79	0.160
817000	S	VRS1	1700	65.75	67.72	0.56	0.98	0.59	0.79	0.160
817003	S	VRS4	1700	66.15	67.72	0.56	0.98	0.59	0.79	0.160
817500	S	VRS1	1750	67.72	69.69	0.56	0.98	0.59	0.79	0.160
817503	S	VRS4	1750	67.72	69.49	0.56	0.98	0.59	0.79	0.160
818000	S	VRS1	1800	69.69	71.65	0.56	0.98	0.59	0.79	0.160
818003	S	VRS4	1800	69.49	71.26	0.56	0.98	0.59	0.79	0.160
818500	S	VRS1	1850	71.65	73.62	0.56	0.98	0.59	0.79	0.160
818503	S	VRS4	1850	71.26	73.03	0.56	0.98	0.59	0.79	0.160
819000	S	VRS1	1900	73.62	75.59	0.56	0.98	0.59	0.79	0.160
819003	S	VRS4	1900	73.03	75.00	0.56	0.98	0.59	0.79	0.160
819500	S	VRS1	1950	75.59	77.56	0.56	0.98	0.59	0.79	0.160
819503	S	VRS4	1950	75.00	76.97	0.56	0.98	0.59	0.79	0.160
819990	S	VRS1	1999	77.56	79.53	0.56	0.98	0.59	0.79	0.160
820003	S	VRS4	2000	76.90	79.10	0.56	0.98	0.59	0.79	0.160

Select the larger V-Seal when the dimension d1 is on the boundary between two sizes. All dimensions in inches unless noted.

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
4,50	15,80	16,00	5,00	A	*4.5X16X5	S	32	8,00	24,00	24,28	7,00	A	8X24X7	S	35
4,50	15,80	16,00	7,00	A	*4.5X16X7	S	32	8,00	24,80	25,00	7,00	A	*8X25X7	S	32
4,50	16,80	17,00	7,00	A	*4.5X17X7	S	32	8,00	24,80	25,00	8,00	A	*8X25X8	S	32
4,80	14,80	15,00	5,00	A	*4.8X15X5	S	32	8,00	24,80	25,00	9,00	A	*8X25X9	S	32
5,00	14,80	15,00	6,00	A	*5X15X6	S	32	8,00	25,80	26,00	7,00	A	*8X26X7	S	32
5,00	15,80	16,00	6,00	A	*5X16X6	S	32	8,00	29,80	30,00	6,00	A	*8X30X6	S	32
5,00	16,00	16,20	5,00	A	*5X16X5	S	32	8,00	29,80	30,00	7,00	A	*8X30X7	S	32
5,00	16,80	17,00	7,00	A	*5X17X7	S	32	8,00	33,80	34,00	8,00	A	*8X34X8	S	32
5,00	17,80	18,00	6,00	A	*5X18X6	S	32	8,85	16,80	17,00	5,00	A	*8.85X17X5	S	32
5,00	17,80	18,00	7,00	A	*5X18X7	S	32	8,85	19,80	20,00	5,00	A	*8.85X20X5	S	32
5,00	17,80	18,00	10,00	A	*5X18X10	S	32	9,00	15,80	16,00	5,50	A	*9X16X5.5	S	32
5,00	18,80	19,00	7,00	A	*5X19X7	S	32	9,00	18,00	18,20	7,00	A	9X18X7	S	35
5,00	21,80	22,00	7,00	A	*5X22X7	S	32	9,00	18,00	18,20	7,00	A	220918	S	35
5,50	17,80	18,00	8,00	A	*5.5X18X8	S	32	9,00	18,80	19,00	5,00	A	*9X19X5	S	32
5,50	21,80	22,00	8,00	A	*5.5X22X8	S	32	9,00	18,80	19,00	7,00	A	*9X19X7	S	32
6,00	16,00	16,20	5,00	A	6X16X5	S	35	9,00	19,80	20,00	7,00	A	*9X20X7	S	32
6,00	16,00	16,20	7,00	A	*6X16X7V	V	35	9,00	22,00	22,20	7,00	A	9X22X7	S	35
6,00	16,00	16,28	7,00	A	6X16X7	S	35	9,00	22,00	22,20	7,00	A	*9X22X7V	V	35
6,00	16,80	17,00	7,00	A	*6X17X7	S	32	9,00	24,00	24,28	7,00	A	9X24X7	S	35
6,00	17,80	18,00	6,00	A	*6X18X6	S	32	9,00	24,80	25,00	7,00	A	*9X25X7	S	32
6,00	17,80	18,00	7,00	A	*6X18X7	S	32	9,00	26,00	26,28	7,00	A	9X26X7	S	35
6,00	18,80	19,00	7,00	A	*6X19X7	S	32	9,00	28,80	29,00	7,00	A	*9X29X7	S	32
6,00	19,80	20,00	5,50	A	*6X20X5.5	S	32	9,00	29,80	30,00	7,00	A	*9X30X7	S	32
6,00	20,80	21,00	7,00	A	*6X21X7	S	32	10,00	15,80	16,00	4,00	A	*10X16X4	S	32
6,00	22,00	22,28	7,00	A	6X22X7	S	35	10,00	15,80	16,00	4,50	A	*10X16X4.5	S	32
6,00	25,80	26,00	7,00	A	*6X26X7	S	32	10,00	16,80	17,00	5,00	A	*10X17X5	S	32
6,00	34,80	35,00	7,00	A	*6X35X7	S	32	10,00	16,80	17,00	7,00	A	*10X17X7	S	32
6,50	14,30	14,50	7,00	A	*6.5X14.5X7	S	32	10,00	17,80	18,00	4,00	A	*10X18X4	S	32
6,80	21,80	22,00	7,00	A	*6.8X22X7	S	32	10,00	17,80	18,00	5,00	A	*10X18X5	S	32
7,00	16,00	16,20	7,00	A	*7X16X7V	V	35	10,00	17,80	18,00	6,00	A	*10X18X6	S	32
7,00	16,00	16,28	7,00	A	7X16X7	S	32	10,00	17,80	18,00	7,00	A	*10X18X7	S	32
7,00	16,80	17,00	7,00	A	*7X17X7	S	32	10,00	19,00	19,20	7,00	A	10X19X7	S	35
7,00	17,80	18,00	7,00	A	*7X18X7	S	32	10,00	19,00	19,20	7,00	A	221040	S	35
7,00	18,80	19,00	7,00	A	*7X19X7	S	32	10,00	19,80	20,00	5,00	A	*10X20X5	S	32
7,00	21,80	22,00	6,00	A	*7X22X6	S	32	10,00	19,80	20,00	6,00	A	*10X20X6	S	32
7,00	21,80	22,00	8,00	A	*7X22X8	S	32	10,00	19,80	20,00	7,00	A	*10X20X7	S	32
7,00	22,00	22,28	7,00	A	7X22X7	S	35	10,00	20,80	21,00	4,00	A	*10X21X4	S	32
7,00	30,80	31,00	7,00	A	*7X31X7	S	32	10,00	20,80	21,00	6,00	A	*10X21X6	S	32
8,00	13,80	14,00	7,00	A	*8X14X7	S	32	10,00	20,80	21,00	7,00	A	*10X21X7	S	32
8,00	14,00	14,20	4,00	A	8X14X4	S	35	10,00	21,80	22,00	5,00	A	*10X22X5	S	32
8,00	14,00	14,20	5,00	A	*8X14X5	S	32	10,00	21,80	22,00	6,00	A	*10X22X6	S	32
8,00	14,80	15,00	5,00	A	*8X15X5	S	32	10,00	22,00	22,20	7,00	A	*10X22X7V	V	35
8,00	15,80	16,00	5,00	A	*8X16X5	S	32	10,00	22,00	22,28	7,00	A	10X22X7	S	32
8,00	15,80	16,00	6,00	A	*8X16X6	S	32	10,00	22,80	23,00	7,00	A	*10X23X7	S	32
8,00	16,00	16,20	7,00	A	220860	S	35	10,00	22,80	23,00	8,00	A	*10X23X8	S	32
8,00	16,00	16,23	7,00	A	8X16X7	S	35	10,00	23,30	23,50	10,00	A	*10X23.5X10	S	32
8,00	16,80	17,00	7,00	A	*8X17X7	S	32	10,00	23,80	24,00	6,00	A	*10X24X6	S	32
8,00	17,80	18,00	6,00	A	*8X18X6	S	32	10,00	24,00	24,23	7,00	A	10X24X7	S	35
8,00	17,80	18,00	8,00	A	*8X18X8	S	32	10,00	24,80	25,00	5,00	A	*10X25X5	S	32
8,00	18,00	18,20	5,00	A	8X18X5	S	35	10,00	24,80	25,00	10,00	A	*10X25X10	S	32
8,00	18,00	18,20	7,00	A	8X18X7	S	32	10,00	25,00	25,28	7,00	A	10X25X7	S	32
8,00	18,00	18,20	7,00	A	220818	S	32	10,00	25,80	26,00	8,00	A	*10X26X8	S	32
8,00	18,80	19,00	7,00	A	*8X19X7	S	32	10,00	26,00	26,23	7,00	A	10X26X7	S	32
8,00	19,80	20,00	7,00	A	*8X20X7	S	32	10,00	27,80	28,00	7,00	A	*10X28X7	S	32
8,00	21,80	22,00	6,00	A	*8X22X6	S	32	10,00	27,80	28,00	8,00	A	*10X28X8	S	32
8,00	22,00	22,20	7,00	A	*8X22X7V	V	32	10,00	29,80	30,00	7,00	A	*10X30X7	S	32
8,00	22,00	22,28	7,00	A	8X22X7	S	32	10,00	29,80	30,00	10,00	A	*10X30X10	S	32
8,00	22,80	23,00	5,00	A	*8X23X5	S	32	11,00	17,00	17,25	4,00	A	11X17X4	S	32
								11,00	20,80	21,00	7,00	A	*11X21X7	S	32

Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
11,00	20,80	21,00	8,00	A	*11X21X8	S	32	12,00	35,00	35,20	7,00	A	12X35X7	S	32
11,00	22,00	22,23	7,00	A	221122	S	35	12,00	36,80	37,00	7,00	A	*12X37X7	S	32
11,00	22,00	22,28	7,00	A	11X22X7	S	35	12,45	21,80	22,00	7,00	A	*12.45X22X7	S	32
11,00	22,80	23,00	7,00	A	*11X23X7	S	32	12,50	21,80	22,00	6,00	A	*12.5X22X6	S	32
11,00	23,30	23,50	7,00	A	*11X23.5X7	S	32	12,50	23,30	23,50	8,00	A	*12.5X23.5X8	S	32
11,00	24,80	25,00	7,00	A	*11X25X7	S	32	12,50	23,30	23,50	10,00	A	*12.5X23.5X10	S	32
11,00	26,00	26,28	7,00	A	11X26X7	S	35	12,50	24,80	25,00	8,00	A	*12.5X25X8	S	32
11,00	27,80	28,00	7,00	A	*11X28X7	S	32	12,50	28,30	28,50	7,00	A	*12.5X28.5X7	S	32
11,00	28,80	29,00	7,00	A	*11X29X7	S	32	13,00	19,80	20,00	5,00	A	*13X20X5	S	32
11,00	29,80	30,00	10,00	A	*11X30X10	S	32	13,00	21,80	22,00	5,00	A	*13X22X5	S	32
11,00	30,00	30,20	7,00	A	11X30X7	S	32	13,00	21,80	22,00	7,00	A	*13X22X7	S	32
11,60	18,80	19,00	6,00	A	*11.6X19X6	S	32	13,00	22,00	22,20	6,00	A	13X22X6	S	32
11,60	23,80	24,00	10,00	A	*11.6X24X10	S	32	13,00	22,00	22,20	6,00	A	710348	S	32
12,00	17,80	18,00	5,00	A	*12X18X5	S	32	13,00	22,80	23,00	7,00	A	*13X23X7	S	32
12,00	18,80	19,00	7,00	A	*12X19X7	S	32	13,00	23,80	24,00	7,00	A	*13X24X7	S	32
12,00	19,00	19,20	5,00	A	12X19X5	S	32	13,00	24,80	25,00	5,00	A	*13X25X5	S	32
12,00	19,80	20,00	4,00	A	*12X20X4	S	32	13,00	24,80	25,00	7,00	A	*13X25X7	S	32
12,00	19,80	20,00	6,00	A	*12X20X6	S	32	13,00	25,80	26,00	9,00	A	*13X26X9	S	32
12,00	19,80	20,00	7,00	A	*12X20X7	S	32	13,00	26,00	26,20	7,00	A	13X26X7	S	32
12,00	20,00	20,28	5,00	A	12X20X5	S	32	13,00	27,00	27,20	7,00	A	*13X27X7	S	32
12,00	20,80	21,00	4,00	A	*12X21X4	S	32	13,00	28,00	28,20	7,00	A	13X28X7	S	32
12,00	20,80	21,00	7,00	A	*12X21X7	S	32	13,00	29,80	30,00	8,00	A	*13X30X8	S	32
12,00	21,80	22,00	5,00	A	*12X22X5	S	32	13,00	30,00	30,20	7,00	A	13X30X7	S	32
12,00	21,80	22,00	6,50	A	*12X22X6.5	S	32	13,00	31,80	32,00	7,00	A	*13X32X7	S	32
12,00	21,80	22,00	8,00	A	*12X22X8	S	32	13,00	34,80	35,00	7,00	A	*13X35X7	S	32
12,00	21,80	22,00	9,00	A	*12X22X9	S	32	13,80	23,80	24,00	5,00	A	*13.8X24X5	S	32
12,00	22,00	22,20	7,00	A	*12X22X7V	V	35	14,00	20,80	21,00	4,00	A	*14X21X4	S	32
12,00	22,00	22,25	7,00	A	12X22X7	S	35	14,00	21,80	22,00	4,00	A	*14X22X4	S	32
12,00	22,00	22,25	7,00	A	221207	S	35	14,00	21,80	22,00	6,00	A	*14X22X6	S	32
12,00	22,00	22,25	7,00	A	221208	V	35	14,00	21,80	22,00	7,00	A	*14X22X7	S	32
12,00	22,80	23,00	7,00	A	*12X23X7	S	32	14,00	22,80	23,00	6,00	A	*14X23X6	S	32
12,00	23,30	23,50	7,00	A	*12X23.5X7	S	32	14,00	23,80	24,00	4,00	A	*14X24X4	S	32
12,00	23,80	24,00	8,00	A	*12X24X8	S	32	14,00	23,80	24,00	5,00	A	*14X24X5	S	32
12,00	24,00	24,23	7,00	A	12X24X7	S	32	14,00	23,80	24,00	6,00	A	*14X24X6	S	32
12,00	24,80	25,00	8,00	A	*12X25X8	S	32	14,00	23,80	24,00	8,00	A	*14X24X8	S	32
12,00	24,80	25,00	10,00	A	*12X25X10	S	32	14,00	24,00	24,23	7,00	A	221410	S	35
12,00	25,00	25,20	4,50	A	12X25X4.5	S	32	14,00	24,00	24,23	7,00	A	14X24X7	S	35
12,00	25,00	25,25	7,00	A	12X25X7	S	48	14,00	24,00	24,25	12,70	A	2004◆	S	#
12,00	25,30	25,50	7,00	A	*12X25.5X7	S	32	14,00	24,80	25,00	4,00	A	*14X25X4	S	32
12,00	25,80	26,00	8,00	A	*12X26X8	S	32	14,00	24,80	25,00	7,00	A	*14X25X7	S	32
12,00	26,00	26,20	7,00	A	12X26X7	S	32	14,00	24,80	25,00	9,00	A	*14X25X9	S	32
12,00	26,80	27,00	9,00	A	*12X27X9	S	32	14,00	25,00	25,20	7,00	A	710116	N	32
12,00	27,00	27,20	7,00	A	*12X27X7	S	32	14,00	25,00	25,23	5,00	A	14X25X5	S	32
12,00	27,80	28,00	8,00	A	*12X28X8	S	32	14,00	25,80	26,00	8,00	A	*14X26X8	S	32
12,00	28,00	28,20	7,00	A	12X28X7	S	35	14,00	26,00	26,23	7,00	A	14X26X7	S	32
12,00	28,00	28,20	7,00	A	*12X28X7V	V	35	14,00	26,80	27,00	10,00	A	*14X27X10	S	32
12,00	28,30	28,50	7,00	A	*12X28.5X7	S	32	14,00	27,00	27,20	7,00	A	14X27X7	S	32
12,00	29,80	30,00	5,00	A	*12X30X5	S	32	14,00	27,80	28,00	7,00	A	*14X28X7	S	32
12,00	29,80	30,00	9,00	A	*12X30X9	S	32	14,00	27,80	28,00	7,00	A	*14X28X7	S	32
12,00	29,80	30,00	10,00	A	*12X30X10	S	32	14,00	28,00	28,23	6,00	A	14X28X6	S	35
12,00	30,00	30,20	7,00	A	12X30X7	S	35	14,00	28,30	28,50	7,00	A	*14X28.5X7	S	32
12,00	30,00	30,20	7,00	A	*12X30X7V	V	35	14,00	28,80	29,00	7,00	A	*14X29X7	S	32
12,00	31,80	32,00	5,00	A	*12X32X5	S	32	14,00	29,80	30,00	7,50	A	*14X30X7.5	S	32
12,00	31,80	32,00	10,00	A	*12X32X10	S	32	14,00	29,80	30,00	8,00	A	*14X30X8	S	32
12,00	32,00	32,20	7,00	A	12X32X7	S	35	14,00	29,80	30,00	9,00	A	*14X30X9	S	32
12,00	34,80	35,00	10,00	A	*12X35X10	S	32	14,00	29,80	30,00	10,00	A	*14X30X10	S	32
								14,00	30,00	30,20	7,00	A	14X30X7	S	32
								14,00	30,00	30,20	7,00	A	*14X30X7V	V	35

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use

◆ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
14,00	31,80	32,00	7,50	A	* 14X32X7.5	S	32	15,00	36,80	37,00	7,00	A	* 15X37X7	S	32
14,00	31,80	32,00	10,00	A	* 14X32X10	S	32	15,00	37,00	37,20	6,00	A	15X37X6	S	32
14,00	32,00	32,20	7,00	A	14X32X7	S	32	15,00	37,80	38,00	10,00	A	* 15X38X10	S	32
14,00	34,80	35,00	8,00	A	* 14X35X8	S	32	15,00	38,00	38,20	7,00	A	* 15X38X7	S	32
14,00	34,80	35,00	10,00	A	* 14X35X10	S	32	15,00	39,80	40,00	8,00	A	* 15X40X8	S	32
14,00	35,00	35,22	7,00	A	14X35X7	S	35	15,00	39,80	40,00	10,00	A	* 15X40X10	S	32
14,00	35,80	36,00	7,00	A	* 14X36X7	S	32	15,00	40,00	40,20	7,00	A	15X40X7	S	32
14,00	39,80	40,00	7,00	A	* 14X40X7	S	32	15,00	41,80	42,00	7,00	A	* 15X42X7	S	32
14,00	39,80	40,00	10,00	A	* 14X40X10	S	32	15,00	41,80	42,00	8,00	A	* 15X42X8	S	32
14,50	31,80	32,00	7,00	A	* 14.5X32X7	S	32	15,00	41,80	42,00	10,00	A	* 15X42X10	S	32
14,80	29,80	30,00	7,50	A	* 14.8X30X7.5	S	32	15,60	25,30	25,50	7,00	A	* 15.6X25.5X7	S	32
15,00	20,00	20,10	5,00	A	710346	S	49	16,00	20,80	21,00	6,00	A	* 16X21X6	S	32
15,00	20,80	21,00	5,00	A	* 15X21X5	S	32	16,00	21,80	22,00	7,00	A	* 16X22X7	S	32
15,00	21,80	22,00	4,00	A	* 15X22X4	S	32	16,00	22,00	22,20	4,00	A	16X22X4	S	32
15,00	21,80	22,00	5,00	A	* 15X22X5	S	32	16,00	23,80	24,00	4,00	A	* 16X24X4	S	32
15,00	21,80	22,00	7,00	A	* 15X22X7	S	32	16,00	24,00	24,20	6,00	A	16X24X6	S	32
15,00	22,80	23,00	7,00	A	* 15X23X7	S	32	16,00	24,00	24,20	7,00	A	16X24X7	S	32
15,00	23,80	24,00	5,00	A	* 15X24X5	S	32	16,00	24,80	25,00	5,00	A	* 16X25X5	S	32
15,00	23,80	24,00	6,00	A	* 15X24X6	S	32	16,00	24,80	25,00	6,00	A	* 16X25X6	S	32
15,00	24,00	24,20	5,00	A	2027	S	35	16,00	24,80	25,00	7,00	A	* 16X25X7	S	32
15,00	24,00	24,23	7,00	A	15X24X7	S	35	16,00	25,00	25,20	5,00	A	16X24X5	S	35
15,00	25,00	25,20	5,00	A	15X25X5	S	32	16,00	25,80	26,00	5,00	A	* 16X26X5	S	32
15,00	25,00	25,20	7,00	A	15X25X7	S	35	16,00	25,80	26,00	6,00	A	* 16X26X6	S	32
15,00	25,00	25,22	7,00	A	* 350509	S	35	16,00	25,80	26,00	6,00	A	* 16X26X6	S	32
15,00	25,00	25,25	6,00	A	15X25X6	N	32	16,00	26,00	26,10	7,00	A	710243	S	25
15,00	25,00	25,25	6,00	A	221510	N	32	16,00	26,00	26,20	7,00	A	16X26X7	S	32
15,00	25,30	25,50	4,50	A	* 15X25.5X4.5	S	32	16,00	26,80	27,00	7,00	A	* 16X27X7	S	32
15,00	25,30	25,50	7,00	A	* 15X25.5X7	S	32	16,00	27,00	27,20	14,00	A	221607	N	#
15,00	25,80	26,00	6,00	A	* 15X26X6	S	32	16,00	27,23	27,33	9,00	A	* 4662V	V	47
15,00	25,80	26,00	8,00	A	* 15X26X8	S	32	16,00	27,23	27,33	9,00	A	714662	V	47
15,00	25,80	26,00	9,00	A	* 15X26X9	S	32	16,00	28,00	28,20	7,00	A	* 16X28X7V	V	32
15,00	26,00	26,23	7,00	A	15X26X7	S	35	16,00	28,00	28,23	7,00	A	221610	N	32
15,00	26,80	27,00	7,00	A	* 15X27X7	S	32	16,00	28,00	28,23	7,00	A	16X28X7	S	35
15,00	26,80	27,00	8,00	A	* 15X27X8	S	32	16,00	28,30	28,50	8,00	A	* 16X28.5X8	S	32
15,00	27,80	28,00	6,00	A	* 15X28X6	S	32	16,00	28,80	29,00	7,00	A	* 16X29X7	S	32
15,00	27,80	28,00	8,00	A	* 15X28X8	S	32	16,00	29,80	30,00	4,50	A	* 16X30X4.5	S	32
15,00	27,80	28,00	10,00	A	* 15X28X10	S	32	16,00	29,80	30,00	5,00	A	* 16X30X5	S	32
15,00	27,93	28,13	7,00	A	* 15X28.13X7	S	32	16,00	29,80	30,00	6,00	A	* 16X30X6	S	32
15,00	28,00	28,20	7,00	A	15X28X7	S	32	16,00	29,80	30,00	8,00	A	* 16X30X8	S	32
15,00	28,30	28,50	7,00	A	* 15X28.5X7	S	32	16,00	29,80	30,00	10,00	A	* 16X30X10	S	32
15,00	28,80	29,00	7,00	A	* 15X29X7	S	32	16,00	30,00	30,20	7,00	A	* 16X30X7V	V	35
15,00	29,80	30,00	5,00	A	* 15X30X5	S	32	16,00	30,00	30,20	7,00	A	* 713026	V	25
15,00	29,80	30,00	7,50	A	* 15X30X7.5	S	32	16,00	30,00	30,23	7,00	A	221620	S	35
15,00	29,80	30,00	8,00	A	* 15X30X8	S	32	16,00	30,00	30,23	7,00	A	16X30X7	S	35
15,00	29,80	30,00	10,00	A	* 15X30X10	S	32	16,00	31,80	32,00	10,00	A	* 16X32X10	S	32
15,00	30,00	30,23	7,00	A	221540	S	35	16,00	32,00	32,28	7,00	A	16X32X7	S	32
15,00	30,00	30,23	7,00	A	15X30X7	S	35	16,00	33,80	34,00	4,00	A	* 16X34X4	S	32
15,00	30,80	31,00	7,00	A	* 15X31X7	S	32	16,00	34,80	35,00	8,00	A	* 16X35X8	S	32
15,00	31,80	32,00	5,00	A	* 15X32X5	S	32	16,00	34,80	35,00	10,00	A	* 16X35X10	S	32
15,00	31,80	32,00	7,50	A	* 15X32X7.5	S	32	16,00	35,00	35,23	7,00	A	16X35X7	S	35
15,00	31,80	32,00	9,00	A	* 15X32X9	S	32	16,00	36,00	36,20	7,00	A	* 16X36X7	S	32
15,00	32,00	32,20	7,00	A	15X32X7	S	35	16,00	36,80	37,00	7,00	A	* 16X37X7	S	32
15,00	32,00	32,20	7,00	A	* 15X32X7V	V	35	16,00	37,80	38,00	8,00	A	* 16X38X8	S	32
15,00	32,00	32,22	8,00	A	15X32X8	S	35	16,00	38,00	38,20	7,00	A	16X38X7	S	32
15,00	34,80	35,00	5,00	A	* 15X35X5	S	32	16,00	39,80	40,00	10,00	A	* 16X40X10	S	32
15,00	34,80	35,00	6,00	A	* 15X35X6	S	32	16,00	40,00	40,20	7,00	A	16X40X7	S	32
15,00	34,80	35,00	8,00	A	* 15X35X8	S	32								
15,00	34,80	35,00	10,00	A	* 15X35X10	S	32								
15,00	35,00	35,20	7,00	A	* 15X35X7V	V	35								
15,00	35,00	35,23	7,00	A	15X35X7	S	35								
15,00	35,80	36,00	7,00	A	* 15X36X7	S	32								

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Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL®

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
16,00	44,75	44,96	9,00	A	*4616V	V	#	17,00	38,00	38,20	7,00	A	17X38X7	S	32
16,00	44,75	44,96	9,00	A	714616	V	#	17,00	39,80	40,00	5,00	A	*17X40X5	S	32
16,00	56,00	56,20	6,50	A	710261	V	32	17,00	39,80	40,00	8,00	A	*17X40X8	S	32
16,40	29,80	30,00	5,00	A	*16.4X30X5	S	32	17,00	39,80	40,00	10,00	A	*17X40X10	S	32
17,00	20,80	20,90	3,10	A	710361	S	44	17,00	40,00	40,23	7,00	A	17X40X7	S	35
17,00	23,80	24,00	7,00	A	*17X24X7	S	32	17,00	42,00	42,20	7,00	A	*17X42X7	S	32
17,00	24,80	25,00	4,00	A	*17X25X4	S	32	17,00	45,00	45,20	7,00	A	*17X45X7	S	32
17,00	24,80	25,00	6,00	A	*17X25X6	S	32	17,00	45,80	46,00	6,00	A	*17X46X6	S	32
17,00	24,80	25,00	7,00	A	*17X25X7	S	32	17,00	46,00	46,20	7,00	A	*17X46X7	S	32
17,00	25,00	25,10	5,00	A	710362	S	49	17,00	46,80	47,00	10,00	A	*17X47X10	S	32
17,00	25,80	26,00	6,00	A	*17X26X6	S	32	17,00	47,00	47,20	7,00	A	17X47X7	S	35
17,00	25,80	26,00	7,00	A	*17X26X7	S	32	17,00	47,00	47,20	8,00	A	17X47X8	S	32
17,00	26,80	27,00	5,00	A	*17X27X5	S	32	17,40	30,00	30,20	7,00	A	710344	S	32
17,00	26,80	27,00	8,00	A	*17X27X8	S	32	17,50	27,50	27,70	7,00	A	710299	N	#
17,00	26,80	27,00	10,00	A	*17X27X10	S	32	17,50	31,80	32,00	6,00	A	*17.5X32X6	S	32
17,00	27,00	27,20	7,00	A	17X27X7	S	32	17,60	29,80	30,00	7,00	A	*17.6X30X7	S	32
17,00	27,80	28,00	4,50	A	*17X28X4.5	S	32	18,00	23,00	23,20	4,00	A	710297	S	34
17,00	27,80	28,00	5,00	A	*17X28X5	S	32	18,00	24,80	25,00	7,00	A	*18X25X7	S	32
17,00	27,80	28,00	6,00	A	*17X28X6	S	32	18,00	25,80	26,00	7,00	A	*18X26X7	S	32
17,00	27,80	28,00	8,00	A	*17X28X8	S	32	18,00	26,00	26,10	4,00	A	710222	S	98
17,00	28,00	28,20	5,00	A	*713001	V	32	18,00	26,80	27,00	7,00	A	*18X27X7	S	32
17,00	28,00	28,20	7,00	A	*17X28X7V	V	35	18,00	27,80	28,00	7,00	A	*18X28X7	S	32
17,00	28,00	28,20	7,00	A	*713080	S	47	18,00	27,80	28,00	8,00	A	*18X28X8	S	32
17,00	28,00	28,23	7,00	A	221710	S	35	18,00	27,80	28,00	10,00	A	*18X28X10	S	32
17,00	28,00	28,23	7,00	A	17X28X7	S	35	18,00	28,00	28,20	6,00	A	1015	S	35
17,00	28,30	28,50	7,00	A	*17X28.5X7	S	32	18,00	28,00	28,20	6,00	A	1015N	S	35
17,00	28,80	29,00	5,00	A	*17X29X5	S	32	18,00	28,00	28,20	6,00	A	*4400	N	34
17,00	29,00	29,20	7,00	A	*17X29X7	S	32	18,00	28,00	28,20	7,00	A	*18X28X7V	V	35
17,00	29,80	30,00	5,00	A	*17X30X5	S	32	18,00	28,00	28,28	6,00	A	18X28X6	S	35
17,00	29,80	30,00	6,00	A	*17X30X6	S	32	18,00	28,80	29,00	7,00	A	*18X29X7	S	32
17,00	29,80	30,00	6,00	A	*17X30X6	S	32	18,00	29,80	30,00	6,00	A	*18X30X6	S	32
17,00	29,80	30,00	8,00	A	*17X30X8	S	32	18,00	29,80	30,00	6,00	A	*18X30X6	S	32
17,00	29,80	30,00	10,00	A	*17X30X10	S	32	18,00	29,80	30,00	8,00	A	*18X30X8	S	32
17,00	30,00	30,20	7,00	A	*17X30X7V	V	35	18,00	29,80	30,00	10,00	A	*18X30X10	S	32
17,00	30,00	30,23	8,00	A	221720	S	47	18,00	30,00	30,10	6,70	A	3816&	S	271
17,00	30,00	30,23	7,00	A	17X30X7	S	35	18,00	30,00	30,23	7,00	A	18X30X7	S	35
17,00	30,80	31,00	7,00	A	*17X31X7	S	32	18,00	30,00	30,23	9,00	A	221820	S	32
17,00	30,80	31,00	8,00	A	*17X31X8	S	32	18,00	30,80	31,00	7,00	A	*18X31X7	S	32
17,00	31,55	31,75	8,00	A	*17X31.75X8	S	32	18,00	31,80	32,00	6,00	A	*18X32X6	S	32
17,00	31,80	32,00	5,00	A	*17X32X5	S	32	18,00	31,80	32,00	10,00	A	*18X32X10	S	32
17,00	31,80	32,00	6,00	A	*17X32X6	S	32	18,00	32,00	32,10	7,00	A	710156	S	#
17,00	31,80	32,00	8,00	A	*17X32X8	S	32	18,00	32,00	32,20	7,00	A	18X32X7	S	35
17,00	32,00	32,22	7,00	A	221730	S	35	18,00	32,00	32,20	7,00	A	*18X32X7V	V	35
17,00	32,00	32,22	7,00	A	17X32X7	S	35	18,00	32,00	32,22	8,00	A	221830	S	35
17,00	32,80	33,00	7,00	A	*17X33X7	S	32	18,00	32,00	32,22	8,00	A	18X32X8	S	35
17,00	33,80	34,00	4,00	A	*17X34X4	S	32	18,00	32,00	32,23	12,70	A	*4401	N	#
17,00	33,80	34,00	7,00	A	*17X34X7	S	32	18,00	33,80	34,00	7,00	A	*18X34X7	S	32
17,00	34,00	34,10	7,90	A	710251	N	47	18,00	34,00	34,20	8,00	A	710412	S	32
17,00	34,30	34,50	4,00	A	*17X34.5X4	S	32	18,00	34,80	35,00	8,00	A	*18X35X8	S	32
17,00	34,80	35,00	6,00	A	*17X35X6	S	32	18,00	34,80	35,00	10,00	A	*18X35X10	S	32
17,00	34,80	35,00	10,00	A	*17X35X10	S	32	18,00	35,00	35,18	7,00	A	18X35X7	S	32
17,00	35,00	35,18	7,00	A	17X35X7	S	35	18,00	35,00	35,20	8,00	A	*18X35X8V	V	35
17,00	35,00	35,18	7,00	A	221735	S	35	18,00	35,00	35,20	7,00	A	*18X36X7	S	32
17,00	35,00	35,20	7,00	A	*17X35X7V	V	35	18,00	36,00	36,20	7,00	A	*18X37X7	S	32
17,00	35,00	35,20	8,00	A	17X35X8	S	35	18,00	36,80	37,00	7,00	A	18X37X8	S	32
17,00	36,00	36,20	7,00	A	*17X36X7	S	32	18,00	37,00	37,20	8,00	A	*18X38X10	S	32
17,00	36,80	37,00	10,00	A	*17X37X10	S	32	18,00	37,80	38,00	10,00	A	*17X38X10	S	32
17,00	37,00	37,20	7,00	A	17X37X7	S	32								
17,00	37,80	38,00	10,00	A	*17X38X10	S	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Hydrodynamic Lip Design-CW & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
18,00	38,00	38,20	7,00	A	18X38X7	S	32	20,00	28,00	28,20	6,00	A	20X28X6	S	32
18,00	39,80	40,00	10,00	A	* 18X40X10	S	32	20,00	29,80	30,00	4,50	A	* 20X30X4.5	S	32
18,00	40,00	40,22	7,00	A	18X40X7	S	35	20,00	29,80	30,00	5,50	A	* 20X30X5.5	S	32
18,00	40,00	40,20	7,00	A	* 18X40X7V	V	35	20,00	29,80	30,00	6,00	A	* 20X30X6	S	32
18,00	41,80	42,00	7,00	A	* 18X42X7	S	32	20,00	29,80	30,00	9,00	A	* 20X30X9	S	32
18,00	41,80	42,00	10,00	A	* 18X42X10	S	32	20,00	29,80	30,00	10,00	A	* 20X30X10	S	32
18,70	35,00	35,20	7,00	A	710272	N	32	20,00	30,00	30,20	5,00	A	20X30X5	S	35
19,00	24,80	25,00	6,00	A	* 19X25X6	S	32	20,00	30,00	30,20	5,00	A	* 20X30X5V	V	35
19,00	26,80	27,00	5,00	A	* 19X27X5	S	32	20,00	30,00	30,20	7,00	A	* 20X30X7V	V	35
19,00	26,80	27,00	10,00	A	* 19X27X10	S	32	20,00	30,00	30,28	7,00	A	222025	S	35
19,00	27,00	27,20	6,00	A	19X27X6	S	35	20,00	30,00	30,28	7,00	A	20X30X7	S	35
19,00	27,80	28,00	7,00	A	* 19X28X7	S	32	20,00	30,80	31,00	5,00	A	* 20X31X5	S	32
19,00	28,80	29,00	7,00	A	* 19X29X7	S	32	20,00	31,00	31,20	7,00	A	* 20X31X7	S	32
19,00	30,00	30,20	7,00	A	19X30X7	S	32	20,00	31,80	32,00	5,00	A	* 20X32X5	S	32
19,00	30,00	30,20	7,00	A	221920	S	32	20,00	31,80	32,00	6,00	A	* 20X32X6	S	32
19,00	31,80	32,00	5,00	A	* 19X32X5	S	32	20,00	31,80	32,00	7,50	A	* 20X32X7.5	S	32
19,00	31,80	32,00	6,00	A	* 19X32X6	S	32	20,00	31,80	32,00	8,00	A	* 20X32X8	S	32
19,00	31,80	32,00	10,00	A	* 19X32X10	S	32	20,00	31,80	32,00	10,00	A	* 20X32X10	S	32
19,00	32,00	32,20	7,00	A	19X32X7	S	35	20,00	32,00	32,23	7,00	A	222020	S	35
19,00	32,00	32,20	8,00	A	19X32X8	S	32	20,00	32,00	32,23	7,00	A	20X32X7	S	35
19,00	32,00	32,20	8,00	A	221922	S	32	20,00	32,80	33,00	7,00	A	* 20X33X7	S	32
19,00	32,80	33,00	8,00	A	* 19X33X8	S	32	20,00	32,80	33,00	10,00	A	* 20X33X10	S	32
19,00	33,30	33,50	7,00	A	* 19X33.5X7	S	32	20,00	33,80	34,00	7,00	A	* 20X34X7	S	32
19,00	33,80	34,00	7,00	A	* 19X34X7	S	32	20,00	34,00	34,25	7,00	A	222028◀	S	32
19,00	34,80	35,00	7,00	A	* 19X35X7	S	32	20,00	34,80	35,00	6,00	A	* 20X35X6	S	32
19,00	34,80	35,00	8,00	A	* 19X35X8	S	32	20,00	34,80	35,00	8,00	A	* 20X35X8	S	32
19,00	34,80	35,00	8,00	A	* 19X35X8	S	32	20,00	34,80	35,00	10,00	A	* 20X35X10	S	32
19,00	34,93	35,00	8,00	A	710445	S	35	20,00	35,00	35,20	7,00	A	* 710280	V	32
19,00	35,00	35,23	10,00	A	19X35X10	S	35	20,00	35,00	35,23	5,50	A	222030▶	S	32
19,00	35,00	35,23	10,00	A	710273	S	35	20,00	35,00	35,23	7,00	A	20X35X7	S	35
19,00	35,80	36,00	7,00	A	* 19X36X7	S	32	20,00	35,80	36,00	8,00	A	* 20X36X8	S	32
19,00	36,00	36,23	6,50	A	221925	S	35	20,00	35,80	36,00	10,00	A	* 20X36X10	S	32
19,00	36,80	37,00	10,00	A	* 19X37X10	S	32	20,00	35,80	36,00	12,00	A	* 20X36X12	S	32
19,00	37,00	37,20	7,00	A	* 19X37X7	S	32	20,00	36,00	36,20	7,00	A	20X36X7	S	32
19,00	37,80	38,00	8,00	A	* 19X38X8	S	32	20,00	36,00	36,20	7,00	A	222036	V	32
19,00	37,80	38,00	10,00	A	* 19X38X10	S	32	20,00	36,80	37,00	6,00	A	* 20X37X6	S	32
19,00	38,00	38,20	7,00	A	* 19X38X7	S	32	20,00	36,80	37,00	10,00	A	* 20X37X10	S	32
19,00	38,00	38,20	7,00	A	710154	S	32	20,00	37,00	37,20	7,00	A	20X37X7	S	32
19,00	39,80	40,00	7,00	A	* 19X40X7	S	32	20,00	37,00	37,20	8,00	A	20X37X8	S	32
19,00	40,00	40,23	10,00	A	19X40X10	S	35	20,00	37,50	37,70	7,00	A	* 20X37.7X7	S	32
19,00	40,80	41,00	7,00	A	* 19X41X7	S	32	20,00	37,80	38,00	5,00	A	* 20X38X5	S	32
19,00	42,00	42,20	7,00	A	* 19X42X7	S	32	20,00	37,80	38,00	8,00	A	* 20X38X8	S	32
19,00	45,00	45,20	7,00	A	* 19X45X7	S	32	20,00	37,80	38,00	10,00	A	* 20X38X10	S	32
19,00	46,00	46,20	7,00	A	* 19X46X7	S	32	20,00	38,00	38,20	7,00	A	20X38X7	S	32
19,00	47,00	47,20	7,00	A	19X47X7	S	32	20,00	38,80	39,00	6,00	A	* 20X39X6	S	32
19,00	47,63	47,73	6,35	A	* 43361	S	4S	20,00	39,60	39,80	6,50	A	* 20X39.8X6.5	S	32
19,50	34,80	35,00	6,00	A	* 19.5X35X6	S	32	20,00	39,80	40,00	8,00	A	* 20X40X8	S	32
19,80	29,80	30,00	5,00	A	* 19.8X30X5	S	32	20,00	39,80	40,00	9,00	A	* 20X40X9	S	32
20,00	24,80	25,00	7,00	A	* 20X25X7	S	32	20,00	39,80	40,00	12,00	A	* 20X40X12	S	32
20,00	25,80	26,00	4,00	A	* 20X26X4	S	32	20,00	40,00	40,20	7,00	A	* 20X40X7V	V	32
20,00	25,80	26,00	5,00	A	* 20X26X5	S	32	20,00	40,00	40,23	7,00	A	222050	S	35
20,00	25,80	26,00	5,60	A	* 20X26X5.6	S	32	20,00	40,00	40,23	7,00	A	20X40X7	S	35
20,00	26,00	26,20	4,00	A	710249	S	97	20,00	40,00	40,23	10,00	A	20X40X10	S	35
20,00	26,80	27,00	5,00	A	* 20X27X5	S	32	20,00	40,00	40,30	5,70	A	* 713029	N	#
20,00	27,80	28,00	4,00	A	* 20X28X4	S	32	20,00	40,00	40,30	7,50	A	* 713019	N	45
20,00	27,80	28,00	7,00	A	* 20X28X7	S	32	20,00	41,05	41,25	7,00	A	* 20X41.25X7	S	32
								20,00	41,80	42,00	6,00	A	* 20X42X6	S	32
								20,00	41,80	42,00	8,00	A	* 20X42X8	S	32
								20,00	42,00	42,15	10,00	A	20X42X10	S	32
								20,00	42,00	42,25	7,00	A	20X42X7	S	35
								20,00	42,00	42,25	7,00	A	* 20X42X7V	V	35

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Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
20,00	43,80	44,00	7,00	A	*20X44X7	S	32	22,00	34,80	35,00	8,00	A	*22X35X8	S	32
20,00	44,80	45,00	7,00	A	*20X45X7	S	32	22,00	34,80	35,00	9,00	A	*22X35X9	S	32
20,00	44,80	45,00	8,00	A	*20X45X8	S	32	22,00	34,80	35,00	10,00	A	*22X35X10	S	32
20,00	44,80	45,00	10,00	A	*20X45X10	S	32	22,00	35,00	35,20	7,00	A	*22X35X7V	V	35
20,00	44,80	45,00	12,00	A	*20X45X12	S	32	22,00	35,00	35,20	7,00	A	*713031	V	35
20,00	45,80	46,00	8,00	A	*20X46X8	S	32	22,00	35,00	35,23	7,00	A	222220	S	32
20,00	46,00	46,20	7,00	A	*20X46X7	S	32	22,00	35,00	35,23	7,00	A	22X35X7	S	35
20,00	46,80	47,00	6,00	A	*20X47X6	S	32	22,00	35,80	36,00	8,00	A	*22X36X8	S	32
20,00	46,80	47,00	8,00	A	*20X47X8	S	32	22,00	35,80	36,00	10,00	A	*22X36X10	S	32
20,00	46,80	47,00	9,00	A	*20X47X9	S	32	22,00	36,00	36,20	7,00	A	22X36X7	S	32
20,00	46,80	47,00	10,00	A	*20X47X10	S	32	22,00	36,80	37,00	6,00	A	*22X37X6	S	32
20,00	46,80	47,00	12,00	A	*20X47X12	S	32	22,00	37,00	37,23	7,00	A	22X37X7	S	35
20,00	46,80	47,00	13,00	A	*20X47X13	S	32	22,00	38,00	38,20	7,00	A	22X38X7	S	35
20,00	47,00	47,20	7,00	A	*20X47X7V	V	35	22,00	38,00	38,20	7,00	A	*22X38X7V	V	35
20,00	47,00	47,20	7,00	A	222060	S	35	22,00	38,00	38,20	8,00	A	22X38X8	S	32
20,00	47,00	47,20	8,50	A	710342	S	32	22,00	38,00	38,20	8,00	A	222238	S	32
20,00	47,00	47,22	7,00	A	20X47X7	S	35	22,00	38,80	39,00	7,00	A	*22X39X7	S	32
20,00	47,80	48,00	8,00	A	*20X48X8	S	32	22,00	39,80	40,00	4,00	A	*22X40X4	S	32
20,00	47,80	48,00	10,00	A	*20X48X10	S	32	22,00	39,80	40,00	10,00	A	*22X40X10	S	32
20,00	48,00	48,20	7,00	A	*20X48X7	S	32	22,00	39,80	40,00	11,00	A	*22X40X11	S	32
20,00	48,80	49,00	7,00	A	*20X49X7	S	32	22,00	39,80	40,00	12,00	A	*22X40X12	S	32
20,00	49,80	50,00	8,00	A	*20X50X8	S	32	22,00	40,00	40,18	16,00	A	*1163	S	#
20,00	49,80	50,00	10,00	A	*20X50X10	S	32	22,00	40,00	40,20	7,00	A	*22X40X7V	V	32
20,00	50,00	50,20	7,00	A	*20X50X7	S	32	22,00	40,00	40,20	7,50	A	*713032	N	45
20,00	51,75	52,00	8,00	A	*20X52X8	S	32	22,00	40,00	40,20	8,00	A	22X40X8	S	35
20,00	51,75	52,00	9,00	A	*20X52X9	S	32	22,00	40,00	40,23	7,00	A	22X40X7	S	35
20,00	51,75	52,00	10,00	A	*20X52X10	S	32	22,00	40,00	40,23	7,00	A	222240	S	35
20,00	51,75	52,00	12,00	A	*20X52X12	S	32	22,00	40,00	40,23	12,00	A	222242	N	32
20,00	52,00	52,20	7,00	A	20X52X7	S	35	22,00	40,00	40,34	7,75	A	1963	N	35
21,00	30,80	31,00	7,00	A	*21X31X7	S	32	22,00	41,05	41,25	6,00	A	*22X41.25X6	S	32
21,00	31,80	32,00	5,00	A	*21X32X5	S	32	22,00	41,30	41,50	6,00	A	*22X41.5X6	S	32
21,00	32,80	33,00	7,00	A	*21X33X7	S	32	22,00	41,80	42,00	6,00	A	*22X42X6	S	32
21,00	35,00	35,20	7,00	A	21X35X7	S	32	22,00	41,80	42,00	11,00	A	*22X42X11	S	32
21,00	35,00	35,20	8,00	A	21X35X8	S	32	22,00	42,00	42,20	7,00	A	22X42X7	S	32
21,00	36,00	36,20	8,00	A	*21X36X8	S	32	22,00	42,00	42,20	10,00	A	22X42X10	S	35
21,00	36,80	37,00	5,50	A	*21X37X5.5	S	32	22,00	43,80	44,00	7,00	A	*22X44X7	S	32
21,00	36,80	37,00	7,00	A	*21X37X7	S	32	22,00	44,80	45,00	5,00	A	*22X45X5	S	32
21,00	37,00	37,20	8,00	A	*21X37X8	S	32	22,00	44,80	45,00	8,00	A	*22X45X8	S	32
21,00	38,00	38,20	8,00	A	*21X38X8	S	32	22,00	44,80	45,00	10,00	A	*22X45X10	S	32
21,00	39,80	40,00	7,00	A	*21X40X7	S	32	22,00	45,00	45,20	8,00	A	222267	H	32
21,00	40,00	40,20	8,00	A	*21X40X8	S	32	22,00	45,00	45,23	7,00	A	22X45X7	S	35
21,00	52,00	52,20	8,00	A	*21X52X8	S	32	22,00	46,00	46,20	8,00	A	*22X46X8	S	32
21,50	34,80	35,00	8,00	A	*21.5X35X8	S	32	22,00	46,80	47,00	10,00	A	*22X47X10	S	32
21,70	34,80	35,00	6,50	A	*21.7X35X6.5	S	32	22,00	47,00	47,23	7,00	A	222270	S	35
22,00	28,00	28,20	8,00	A	*22X28X8	S	32	22,00	47,00	47,23	7,00	A	22X47X7	S	35
22,00	29,80	30,00	7,00	A	*22X30X7	S	32	22,00	47,80	48,00	7,00	A	*22X48X7	S	32
22,00	29,80	30,00	8,00	A	*22X30X8	S	32	22,00	47,80	48,00	11,00	A	*22X48X11	S	32
22,00	30,80	31,00	7,00	A	*22X31X7	S	32	22,00	48,00	48,20	8,00	A	*22X48X8	S	32
22,00	31,00	31,20	6,00	A	22X31X6	S	32	22,00	49,80	50,00	5,00	A	*22X50X5	S	32
22,00	31,00	31,20	8,00	A	*22X31X8	S	32	22,00	49,80	50,00	10,00	A	*22X50X10	S	32
22,00	31,80	32,00	5,00	A	*22X32X5	S	32	22,00	50,00	50,20	8,00	A	*22X50X8	S	32
22,00	31,80	32,00	6,00	A	*22X32X6	S	32	22,00	51,75	52,00	10,00	A	*22X52X10	S	32
22,00	32,00	32,20	7,00	A	*22X32X7V	V	35	22,00	52,00	52,20	8,00	A	*22X52X8	S	32
22,00	32,00	32,23	7,00	A	222210	S	35	22,00	55,75	56,00	7,00	A	*22X56X7	S	32
22,00	32,00	32,23	7,00	A	22X32X7	S	35	23,00	31,80	32,00	5,50	A	710254	S	34
22,00	32,80	33,00	7,00	A	*22X33X7	S	32	23,00	32,00	32,20	5,00	A	222310	S	34
22,00	32,80	33,00	10,00	A	*22X33X10	S	32	23,00	34,00	34,23	6,50	A	710155	S	35
22,00	33,80	34,00	7,00	A	*22X34X7	S	32	23,00	34,00	34,23	8,00	A	222330	N	32
22,00	34,80	35,00	5,00	A	*22X35X5	S	32	23,00	35,00	35,20	7,00	A	*713033	V	#
								23,00	35,00	35,20	8,50	A	*713020	N	25

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
23,00	40,00	40,23	7,00	A	222340➡	N	32	25,00	31,80	32,00	4,00	A	*25X32X4	S	32
23,00	31,80	32,00	7,00	A	*23X32X7	S	32	25,00	31,80	32,00	6,00	A	*25X32X6	S	32
23,00	34,80	35,00	7,00	A	*23X35X7	S	32	25,00	31,80	32,00	7,00	A	*25X32X7	S	32
23,00	35,80	36,00	6,00	A	*23X36X6	S	32	25,00	32,80	33,00	6,00	A	*25X33X6	S	32
23,00	35,80	36,00	7,00	A	*23X36X7	S	32	25,00	33,80	34,00	5,00	A	*25X34X5	S	32
23,00	35,80	36,00	10,00	A	*23X36X10	S	32	25,00	34,80	35,00	5,00	A	*25X35X5	S	32
23,00	35,80	36,00	13,00	A	*23X36X13	S	32	25,00	34,80	35,00	8,00	A	*25X35X8	S	32
23,00	36,80	37,00	7,00	A	*23X37X7	S	32	25,00	34,80	35,00	8,50	A	*25X35X8.5	S	32
23,00	37,80	38,00	7,00	A	*23X38X7	S	32	25,00	34,80	35,00	9,00	A	*25X35X9	S	32
23,00	39,80	40,00	6,00	A	*23X40X6	S	32	25,00	34,80	35,00	10,00	A	*25X35X10	S	32
23,00	39,80	40,00	10,00	A	*23X40X10	S	32	25,00	35,00	35,10	7,00	A	*25X35X7V	V	48
23,00	40,00	40,10	7,50	A	*713030	N	45	25,00	35,00	35,20	6,00	A	25X35X6	S	32
23,00	41,80	42,00	7,00	A	*23X42X7	S	32	25,00	35,00	35,25	7,00	A	25X35X7	S	35
23,00	42,80	43,00	8,00	A	*23X43X8	S	32	25,00	35,00	35,25	7,00	A	222510	S	35
23,00	46,80	47,00	7,00	A	*23X47X7	S	32	25,00	35,00	35,25	7,00	A	712007	V	48
23,00	46,80	47,00	8,00	A	*23X47X8	S	32	25,00	35,80	36,00	6,00	A	*25X36X6	S	32
23,00	46,80	47,00	10,00	A	*23X47X10	S	32	25,00	36,00	36,23	7,00	A	25X36X7	S	32
24,00	31,80	32,00	4,00	A	*24X32X4	S	32	25,00	36,00	36,22	8,00	A	25X36X8	S	35
24,00	31,80	32,00	7,00	A	*24X32X7	S	32	25,00	36,80	37,00	5,00	A	*25X37X5	S	32
24,00	32,80	33,00	7,00	A	*24X33X7	S	32	25,00	36,80	37,00	6,00	A	*25X37X6	S	32
24,00	33,80	34,00	7,00	A	*24X34X7	S	32	25,00	36,80	37,00	8,00	A	*25X37X8	S	32
24,00	34,80	35,00	6,00	A	*24X35X6	S	32	25,00	37,00	37,20	5,00	A	*25X37X5V	V	35
24,00	34,80	35,00	8,00	A	*24X35X8	S	32	25,00	37,00	37,20	7,00	A	25X37X7	S	32
24,00	35,00	35,23	7,00	A	222410	S	35	25,00	37,00	37,26	7,00	A	320603➡	S	32
24,00	35,00	35,23	7,00	A	24X35X7	S	35	25,00	37,80	38,00	6,00	A	*25X38X6	S	32
24,00	35,80	36,00	7,00	A	*24X36X7	S	32	25,00	37,80	38,00	8,00	A	*25X38X8	S	32
24,00	35,80	36,00	8,00	A	*24X36X8	S	32	25,00	37,80	38,00	10,00	A	*25X38X10	S	32
24,00	36,00	36,20	7,00	A	*24X36X7V	V	35	25,00	38,00	38,20	7,00	A	*25X38X7V	V	35
24,00	37,00	37,23	7,00	A	24X37X7	S	35	25,00	38,00	38,23	7,00	A	25X38X7	S	35
24,00	37,80	38,00	8,00	A	*24X38X8	S	32	25,00	38,00	38,23	7,00	A	222535	S	32
24,00	37,80	38,00	8,50	A	*24X38X8.5	S	32	25,00	38,80	39,00	8,00	A	*25X39X8	S	32
24,00	37,80	38,00	10,00	A	*24X38X10	S	32	25,00	39,80	40,00	5,00	A	*25X40X5	S	32
24,00	38,00	38,20	7,00	A	24X38X7	S	32	25,00	39,80	40,00	6,00	A	*25X40X6	S	32
24,00	39,80	40,00	8,00	A	*24X40X8	S	32	25,00	39,80	40,00	6,00	A	*25X40X6	S	32
24,00	40,00	40,20	6,00	A	*24X40X6V	V	35	25,00	39,80	40,00	8,00	A	*25X40X8	S	32
24,00	40,00	40,23	7,00	A	222430	S	35	25,00	39,80	40,00	10,00	A	*25X40X10	S	32
24,00	40,00	40,23	7,00	A	24X40X7	S	35	25,00	39,80	40,00	11,00	A	*25X40X11	S	32
24,00	42,00	42,20	7,00	A	24X42X7	S	32	25,00	39,80	40,00	12,00	A	*25X40X12	S	32
24,00	42,00	42,25	8,00	A	*24X42X8	S	35	25,00	40,00	40,10	9,50	A	*450908	S	45
24,00	42,00	42,25	10,00	A	24X42X10	S	32	25,00	40,00	40,22	7,00	A	25X40X7	S	35
24,00	42,80	43,00	6,00	A	*24X43X6	S	32	25,00	40,00	40,20	7,00	A	*25X40X7V	V	35
24,00	42,80	43,00	7,00	A	*24X43X7	S	32	25,00	40,00	40,22	7,00	A	222540	S	47
24,00	43,00	43,23	8,00	A	222450	S	25	25,00	40,00	40,20	7,00	A	710307➡	N	32
24,00	44,80	45,00	6,00	A	*24X45X6	S	32	25,00	40,00	40,20	8,00	A	710316➡	S	32
24,00	44,80	45,00	7,00	A	*24X45X7	S	32	25,00	40,00	40,31	8,00	A	*324151	S	32
24,00	44,80	45,00	11,00	A	*24X45X11	S	32	25,00	40,00	40,31	8,00	A	*324151N	N	32
24,00	45,00	45,20	8,00	A	*24X45X8	S	32	24,99	40,54	40,64	6,35	A	712018	S	#
24,00	45,80	46,00	10,00	A	*24X46X10	S	32	25,00	40,80	41,00	6,00	A	*25X41X6	S	32
24,00	46,00	46,20	8,00	A	*24X46X8	S	32	25,00	40,80	41,00	7,00	A	*25X41X7	S	32
24,00	46,80	47,00	10,00	A	*24X47X10	S	32	25,00	41,00	41,09	8,00	A	39867➡	T	W-H
24,00	47,00	47,23	7,00	A	24X47X7	S	35	25,00	41,00	41,20	8,00	A	*25X41.2X8	S	32
24,00	47,80	48,00	7,00	A	*24X48X7	S	32	25,00	41,05	41,25	6,00	A	*25X41.25X6	S	32
24,00	48,00	48,20	8,00	A	*24X48X8	S	32	25,00	41,05	41,25	7,00	A	*25X41.25X7	S	32
24,00	48,80	49,00	12,00	A	*24X49X12	S	32	24,99	41,25	41,35	11,10	A	*450811	S	45
24,00	50,00	50,20	8,00	A	*24X50X8	S	32	25,00	41,30	41,50	7,00	A	*25X41.5X7	S	32
24,00	52,00	52,20	7,00	A	24X52X7	S	32	25,00	41,30	41,50	10,00	A	*25X41.5X10	S	32
24,00	76,72	77,00	18,00	A	*24X77X18	S	32	25,00	41,80	42,00	5,50	A	*25X42X5.5	S	32
								25,00	41,80	42,00	7,00	A	*25X42X7	S	32
								25,00	41,80	42,00	8,50	A	*25X42X8.5	S	32
								25,00	41,80	42,00	12,00	A	*25X42X12	S	32
								25,00	42,00	42,20	6,00	A	25X42X6	S	35
								25,00	42,00	42,20	7,00	A	*25X42X7V	V	32
								25,00	42,00	42,20	8,00	A	25X42X8	S	32
								25,00	42,00	42,30	8,00	A	222556➡	H	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ➡ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL[®]

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
25,00	42,00	42,28	10,00	A	25X42X10	S	35	25,00	71,75	72,00	8,00	A	*25X72X8	S	32
25,00	42,70	42,90	9,50	A	*25X42.9X9.5	S	32	25,00	79,72	80,00	10,00	A	*25X80X10	S	32
25,00	42,80	43,00	7,00	A	*25X43X7	S	32	25,50	38,50	38,70	8,50	A	710303	S	35
25,00	42,80	43,00	9,00	A	*25X43X9	S	32	25,70	34,80	35,00	7,00	A	*25.7X35X7	S	32
25,00	42,80	43,00	10,00	A	*25X43X10	S	32	26,00	34,80	35,00	7,00	A	*26X35X7	S	32
25,00	43,80	44,00	7,00	A	*25X44X7	S	32	26,00	35,80	36,00	5,00	A	*26X36X5	S	32
25,00	43,80	44,00	8,00	A	*25X44X8	S	32	26,00	35,80	36,00	7,00	A	*26X36X7	S	32
25,00	44,00	44,20	7,00	A	222558	S	32	26,00	36,80	37,00	8,00	A	*26X37X8	S	32
25,00	44,25	44,45	10,00	A	*25X44.45X10	S	32	26,00	37,00	37,20	7,00	A	26X37X7	S	32
25,00	44,80	45,00	7,00	A	*25X45X7	S	32	26,00	37,80	38,00	7,00	A	*26X38X7	S	32
25,00	44,80	45,00	9,00	A	*25X45X9	S	32	26,00	37,80	38,00	8,00	A	*26X38X8	S	32
25,00	44,80	45,00	10,00	A	*25X45X10	S	32	26,00	38,00	38,20	5,00	A	26X38X5	S	32
25,00	44,80	45,00	11,00	A	*25X45X11	S	32	26,00	38,00	38,20	8,00	A	222630	N	32
25,00	44,80	45,00	12,00	A	*25X45X12	S	32	26,00	39,80	40,00	8,00	A	*26X40X8	S	32
25,00	45,00	45,23	8,00	A	25X45X8	S	35	26,00	39,80	40,00	10,00	A	*26X40X10	S	32
25,00	46,00	46,20	7,00	A	25X46X7	S	32	26,00	40,00	40,20	7,00	A	26X40X7	S	32
25,00	46,00	46,20	8,00	A	*25X46X8	S	32	26,00	41,10	41,30	10,00	A	*26X41.3X10	S	32
25,00	46,80	47,00	6,00	A	*25X47X6	S	32	26,00	41,80	42,00	8,00	A	*26X42X8	S	32
25,00	46,80	47,00	8,00	A	*25X47X8	S	32	26,00	42,00	42,20	7,00	A	26X42X7	S	32
25,00	46,80	47,00	10,00	A	*25X47X10	S	32	26,00	42,00	42,20	8,00	A	710399	S	32
25,00	47,00	47,20	10,00	A	*713114	N	47	26,00	42,00	42,23	10,00	A	26X42X10	S	35
25,00	47,00	47,10	9,50	A	*482583	S	48	26,00	42,80	43,00	8,00	A	*26X43X8	S	32
25,00	47,00	47,20	10,00	A	*25X47X10V	V	35	26,00	43,80	44,00	7,00	A	*26X44X7	S	32
25,00	47,00	47,23	7,00	A	25X47X7	S	35	26,00	44,00	44,20	8,00	A	710153	S	#
25,00	47,80	48,00	7,00	A	*25X48X7	S	32	26,00	44,80	45,00	7,00	A	*26X45X7	S	32
25,00	47,80	48,00	10,00	A	*25X48X10	S	32	26,00	44,80	45,00	10,00	A	*26X45X10	S	32
25,00	48,00	48,20	8,00	A	25X48X8	S	32	26,00	45,00	45,20	8,00	A	*26X45X8	S	32
25,00	48,80	49,00	10,00	A	*25X49X10	S	32	26,00	46,00	46,20	8,00	A	*26X46X8	S	32
25,00	49,80	50,00	12,00	A	*25X50X12	S	32	26,00	46,80	47,00	6,00	A	*26X47X6	S	32
25,00	50,00	50,20	8,00	A	25X50X8	S	32	26,00	46,80	47,00	8,00	A	*26X47X8	S	32
25,00	50,00	50,20	10,00	A	*25X50X10V	V	35	26,00	46,80	47,00	10,00	A	*26X47X10	S	32
25,00	50,00	50,28	10,00	A	25X50X10	S	35	26,00	46,80	47,00	11,00	A	*26X47X11	S	32
25,00	51,75	52,00	9,50	A	*25X52X9.5	S	32	26,00	46,80	47,00	12,00	A	*26X47X12	S	32
25,00	51,75	52,00	12,00	A	*25X52X12	S	32	26,00	47,00	47,23	7,00	A	26X47X7	S	35
25,00	52,00	52,10	7,90	A	*472184	S	47	26,00	47,80	48,00	8,00	A	*26X48X8	S	32
25,00	52,00	52,20	7,00	A	*25X52X7V	V	35	26,00	48,00	48,23	7,00	A	26X48X7	S	32
25,00	52,00	52,20	8,00	A	25X52X8	S	35	26,00	48,00	48,23	7,00	A	222655	S	32
25,00	52,00	52,20	10,00	A	25X52X10	S	35	26,00	49,80	50,00	7,00	A	*26X50X7	S	32
25,00	52,00	52,27	7,00	A	25X52X7	S	35	26,00	49,80	50,00	10,00	A	*26X50X10	S	32
24,99	52,37	52,48	11,10	A	450693	S	45	26,00	50,00	50,20	8,00	A	*26X50X8	S	32
25,00	52,75	53,00	10,00	A	*25X53X10	S	32	26,00	51,75	52,00	7,00	A	*26X52X7	S	32
25,00	54,00	54,20	8,00	A	*25X54X8	S	32	26,00	52,00	52,20	8,00	A	26X52X8	S	32
25,00	54,75	55,00	10,00	A	*25X55X10	S	32	26,00	61,75	62,00	9,00	A	*26X62X9	S	32
25,00	54,75	55,00	12,00	A	*25X55X12	S	32	26,00	71,75	72,00	10,00	A	*26X72X10	S	32
25,00	55,00	55,20	8,00	A	*25X55X8	S	32	27,00	35,80	36,00	6,00	A	*27X36X6	S	32
25,00	56,00	56,20	8,00	A	*25X56X8	S	32	27,00	36,80	37,00	8,50	A	*27X37X8.5	S	32
25,00	57,75	58,00	10,00	A	*25X58X10	S	32	27,00	37,00	37,15	7,00	A	27X37X7	S	35
25,00	58,00	58,20	8,00	A	*25X58X8	S	32	27,00	37,00	37,20	7,00	A	*27X37X7V	V	35
25,00	59,75	60,00	10,00	A	*25X60X10	S	32	27,00	37,00	37,30	7,00	A	*713034	V	32
25,00	60,00	60,20	8,00	A	*25X60X8	S	32	27,00	37,80	38,00	5,00	A	*27X38X5	S	32
25,00	61,75	62,00	8,00	A	*25X62X8	S	32	27,00	37,80	38,00	6,00	A	*27X38X6	S	32
25,00	62,00	62,20	7,00	A	25X62X7	S	32	27,00	39,80	40,00	6,00	A	*27X40X6	S	32
25,00	62,00	62,20	7,00	A	*25X62X7V	V	35	27,00	39,80	40,00	7,00	A	*27X40X7	S	32
25,00	62,00	62,28	10,00	A	25X62X10	S	32	27,00	39,80	40,00	8,00	A	*27X40X8	S	32
25,00	62,00	62,28	10,00	A	222580	S	32	27,00	39,80	40,00	10,00	A	*27X40X10	S	32
25,00	64,75	65,00	10,00	A	*25X65X10	S	32	27,00	39,80	40,00	12,00	A	*27X40X12	S	32
25,00	65,75	66,00	8,50	A	*25X66X8.5	S	32								
25,00	69,75	70,00	10,00	A	*25X70X10	S	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
27,00	40,00	40,20	8,00	A	712009	V	32	28,00	43,80	44,00	8,00	A	*28X44X8	S	32
27,00	41,00	41,10	9,50	A	*1193	S	#	28,00	44,00	44,20	6,00	A	222835	N	32
27,00	41,80	42,00	5,00	A	*27X42X5	S	32	28,00	44,00	44,23	6,00	A	28X44X6	N	32
27,00	41,80	42,00	8,00	A	*27X42X8	S	32	28,00	44,80	45,00	7,00	A	*28X45X7	S	32
27,00	42,00	42,10	7,00	A	222742	V	48	28,00	44,80	45,00	8,70	A	*28X45X8.7	S	32
27,00	42,00	42,20	7,00	A	27X42X7	S	35	28,00	44,80	45,00	10,00	A	*28X45X10	S	32
27,00	42,00	42,23	10,00	A	27X42X10	S	35	28,00	45,00	45,20	7,00	A	*28X45X7V	V	35
27,00	42,80	43,00	9,00	A	*27X43X9	S	32	28,00	45,00	45,20	8,00	A	28X45X8	S	32
27,00	43,00	43,20	8,00	A	27X43X8	S	32	28,00	46,00	46,20	8,00	A	*28X46X8	S	32
27,00	43,00	43,20	9,00	A	222743◀	H	32	28,00	46,80	47,00	6,00	A	*28X47X6	S	32
27,00	43,00	43,25	9,00	A	1990▶	N	32	28,00	46,80	47,00	9,00	A	*28X47X9	S	32
27,00	45,00	45,25	8,00	A	27X45X8	S	35	28,00	46,80	47,00	10,00	A	*28X47X10	S	32
27,00	45,00	45,25	9,00	A	222745▶	N	32	28,00	46,89	47,00	8,00	A	*333860	S	33
27,00	46,00	46,20	8,00	A	*27X46X8	S	32	28,00	47,00	47,20	7,00	A	*28X47X7V	V	35
27,00	46,80	47,00	7,00	A	*27X47X7	S	32	28,00	47,00	47,22	7,00	A	28X47X7	S	35
27,00	47,00	47,23	8,00	A	*27X47X8	S	35	28,00	47,00	47,22	8,00	A	*28X47X8	S	33
27,00	47,00	47,23	10,00	A	27X47X10	S	35	28,00	47,00	47,22	8,00	A	222860▶	N	32
27,00	48,00	48,20	8,00	A	*27X48X8	S	32	28,00	47,00	47,30	8,00	A	*713035	V	32
27,00	49,80	50,00	10,00	A	*27X50X10	S	32	28,00	47,00	47,30	8,00	A	*713036	V	35
27,00	50,00	50,20	8,00	A	*27X50X8	S	32	28,00	47,80	48,00	7,00	A	*28X48X7	S	32
27,00	52,00	52,20	8,00	A	27X52X8	S	35	28,00	47,80	48,00	11,00	A	*28X48X11	S	32
27,00	52,75	53,00	7,00	A	*27X53X7	S	32	28,00	48,00	48,20	8,00	A	28X48X8	S	32
27,60	39,80	40,00	5,50	A	*27.6X40X5.5	S	32	28,00	48,00	48,30	8,00	A	*713037	N	48
28,00	—	47,00	8,00	A	*713115	V	32	28,00	49,80	50,00	10,00	A	*28X50X10	S	32
28,00	34,80	35,00	5,00	A	*28X35X5	S	32	28,00	50,00	50,20	8,00	A	*28X50X8	S	32
28,00	34,80	35,00	7,00	A	*28X35X7	S	32	28,00	50,75	51,00	10,00	A	*28X51X10	S	32
28,00	34,80	35,00	10,00	A	*28X35X10	S	32	28,00	51,75	52,00	6,00	A	*28X52X6	S	32
28,00	35,80	36,00	7,00	A	*28X36X7	S	32	28,00	51,75	52,00	8,00	A	*28X52X8	S	32
28,00	37,80	38,00	5,00	A	*28X38X5	S	32	28,00	51,75	52,00	10,00	A	*28X52X10	S	32
28,00	37,80	38,00	8,00	A	*28X38X8	S	32	28,00	52,00	52,20	7,00	A	*28X52X7V	V	32
28,00	38,00	38,20	7,00	A	*713087	N	35	28,00	52,00	52,23	7,00	A	28X52X7	S	35
28,00	38,00	38,20	10,00	A	710347◀	S	32	28,00	55,75	56,00	6,00	A	*28X56X6	S	32
28,00	38,00	38,23	7,00	A	28X38X7	S	35	28,00	55,75	56,00	7,00	A	*28X56X7	S	32
28,00	38,00	38,25	7,00	A	712104▶	T	PDW	28,00	57,75	58,00	6,00	A	*28X58X6	S	32
28,00	39,80	40,00	9,00	A	*28X40X9	S	32	28,00	57,75	58,00	10,00	A	*28X58X10	S	32
28,00	39,80	40,00	10,00	A	*28X40X10	S	32	28,00	61,75	62,00	10,00	A	*28X62X10	S	32
28,00	40,00	40,20	7,00	A	*28X40X7V	V	35	28,50	39,30	39,50	9,50	A	*28.5X39.5X9.5	S	32
28,00	40,00	40,20	7,00	A	710325▶	S	32	28,60	39,80	40,00	8,00	A	*28.6X40X8	S	32
28,00	40,00	40,20	8,00	A	28X40X8	S	32	28,60	43,00	43,15	6,50	A	1989	S	47
28,00	40,00	40,26	7,00	A	28X40X7	S	35	29,00	42,80	43,00	8,00	A	*29X43X8	S	32
28,00	40,00	40,31	7,00	A	*1107	S	33	29,00	43,80	44,00	7,00	A	*29X44X7	S	32
28,00	40,00	40,34	7,00	A	222820	S	33	29,00	44,80	45,00	9,00	A	*29X45X9	S	32
28,00	41,00	41,10	8,00	A	39869▶	T	#	29,00	45,00	45,23	8,00	A	320595	S	32
28,00	41,00	41,27	7,00	A	222830◀	N	32	29,00	45,80	46,00	10,00	A	*29X46X10	S	32
28,00	41,05	41,25	6,00	A	*28X41.25X6	S	32	29,00	46,80	47,00	8,00	A	*29X47X8	S	32
28,00	41,30	41,50	8,00	A	*28X41.5X8	S	32	29,00	46,80	47,00	10,00	A	*29X47X10	S	32
28,00	41,80	42,00	6,00	A	*28X42X6	S	32	29,00	49,80	50,00	10,00	A	*29X50X10	S	32
28,00	41,80	42,00	7,00	A	*28X42X7	S	32	29,00	55,75	56,00	10,00	A	*29X56X10	S	32
28,00	41,80	42,00	10,00	A	*28X42X10	S	32	29,00	61,95	62,20	9,00	A	*29X62.2X9	S	32
28,00	42,00	42,20	8,00	A	712008	H	32	30,00	36,80	37,00	6,00	A	*30X37X6	S	32
28,00	42,00	42,20	10,00	A	*28X42X10V	V	35	30,00	37,00	37,30	3,50	A	710401	S	#
28,00	42,00	42,23	8,00	A	28X42X8	S	35	30,00	37,80	38,00	5,00	A	*30X38X5	S	32
28,00	42,30	42,50	8,00	A	*28X42.5X8	S	32	30,00	37,80	38,00	6,00	A	*30X38X6	S	32
28,00	42,50	42,72	8,00	A	710216	S	35	30,00	37,80	38,00	7,00	A	*30X38X7	S	32
28,00	42,80	43,00	6,00	A	*28X43X6	S	32	30,00	39,80	40,00	5,00	A	*30X40X5	S	32
28,00	42,80	43,00	10,00	A	*28X43X10	S	32	30,00	39,80	40,00	8,00	A	*30X40X8	S	32
28,00	43,00	43,23	7,00	A	710157▶	S	32	30,00	39,80	40,00	10,00	A	*30X40X10	S	32
28,00	43,00	43,23	8,00	A	710119	N	32	30,00	39,80	40,00	12,00	A	*30X40X12	S	32
28,00	43,80	44,00	7,00	A	*28X44X7	S	32	30,00	40,00	40,20	7,00	A	*30X40X7V	V	32

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Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
30,00	40,00	40,23	7,00	A	30X40X7	S	35	30,00	50,75	51,00	10,00	A	*30X51X10	S	32
30,00	40,00	40,23	7,00	A	223005	S	48	30,00	51,75	52,00	8,00	A	*30X52X8	S	32
30,00	40,00	40,25	7,00	A	1129	S	35	30,00	51,75	52,00	10,00	A	*30X52X10	S	32
30,00	40,80	41,00	7,00	A	*30X41X7	S	32	30,00	51,75	52,00	11,00	A	*30X52X11	S	32
30,00	41,80	42,00	4,50	A	*30X42X4.5	S	32	30,00	51,75	52,00	12,00	A	*30X52X12	S	32
30,00	41,80	42,00	8,00	A	*30X42X8	S	32	30,00	52,00	52,18	7,00	A	223035	S	35
30,00	41,80	42,00	10,00	A	*30X42X10	S	32	30,00	52,00	52,20	7,00	A	*713044	N	32
30,00	42,00	42,20	7,00	A	30X42X7	S	35	30,00	52,00	52,20	7,00	A	*713045	V	35
30,00	42,00	42,20	7,00	A	*30X42X7V	V	32	30,00	52,00	52,20	7,00	A	*713157	V	32
30,00	42,00	42,20	7,00	A	223010	S	32	30,00	52,00	52,20	10,00	A	*30X52X10V	V	32
30,00	42,00	42,27	7,00	A	1970	S	35	30,00	52,00	52,23	7,00	A	30X52X7	S	35
30,00	42,00	42,30	7,00	A	*713039	N	32	30,00	52,00	52,80	7,00	A	*713004	N	32
30,00	42,00	42,30	7,00	A	*713040	V	32	30,00	52,00	52,30	13,50	A	*713002	N	32
30,00	42,80	43,00	7,00	A	*30X43X7	S	32	30,00	53,75	54,00	9,00	A	*30X54X9	S	32
30,00	42,80	43,00	8,00	A	*30X43X8	S	32	30,00	54,00	54,20	9,00	A	710267	S	32
30,00	42,80	43,00	8,50	A	*30X43X8.5	S	32	30,00	54,75	55,00	8,00	A	*30X55X8	S	32
30,00	42,80	43,00	9,00	A	*30X43X9	S	32	30,00	54,75	55,00	11,00	A	*30X55X11	S	32
30,00	43,00	43,30	8,00	A	*713041	S	48	30,00	54,75	55,00	12,00	A	*30X55X12	S	32
30,00	43,00	43,30	8,00	A	*713042	N	32	30,00	55,00	55,20	7,00	A	30X55X7	S	47
30,00	43,00	44,00	8,00	A	*713003	V	32	30,00	55,00	55,20	10,00	A	*30X55X10V	V	32
30,00	43,80	44,00	9,00	A	*30X44X9	S	32	30,00	55,00	55,28	10,00	A	30X55X10	S	35
30,00	43,80	44,00	10,00	A	*30X44X10	S	32	30,00	55,75	56,00	10,00	A	*30X56X10	S	32
30,00	44,00	44,20	7,00	A	223012	N	32	30,00	55,75	56,00	12,00	A	*30X56X12	S	32
30,00	44,00	44,28	7,00	A	30X44X7	S	25	30,00	56,00	56,20	8,00	A	30X56X8	S	35
30,00	44,00	44,30	8,00	A	*713043	V	32	30,00	56,75	57,00	10,00	A	*30X57X10	S	32
30,00	44,30	44,50	7,00	A	*30X44.5X7	S	32	30,00	57,75	58,00	10,00	A	*30X58X10	S	32
30,00	44,80	45,00	6,00	A	*30X45X6	S	32	30,00	58,00	58,09	9,50	A	3907	N	57
30,00	44,80	45,00	7,00	A	*30X45X7	S	32	30,00	58,00	58,20	8,00	A	*30X58X8	S	32
30,00	44,80	45,00	10,00	A	*30X45X10	S	32	30,00	58,00	63,50	13,90	A	*3607	N	57
30,00	44,80	45,00	13,00	A	*30X45X13	S	32	30,00	59,75	60,00	7,00	A	*30X60X7	S	32
30,00	45,00	45,22	5,00	A	30X45X5	S	32	30,00	59,75	60,00	10,00	A	*30X60X10	S	32
30,00	45,00	45,20	6,00	A	223014	S	32	30,00	60,00	60,20	8,00	A	*30X60X8	S	32
30,00	45,00	45,20	8,00	A	30X45X8	S	32	30,00	61,75	62,00	5,00	A	*30X62X5	S	32
30,00	45,00	45,20	8,00	A	*30X45X8V	V	35	30,00	61,75	62,00	8,00	A	*30X62X8	S	32
30,00	45,00	45,20	8,00	A	710359	S	#	30,00	61,75	62,00	9,00	A	*30X62X9	S	32
30,00	45,00	45,20	15,00	A	2016	S	#	30,00	61,75	62,00	10,00	A	*30X62X10	S	32
30,00	45,00	45,23	8,00	A	1981	S	35	30,00	61,75	62,00	11,00	A	*30X62X11	S	32
30,00	45,80	46,00	8,00	A	*30X46X8	S	32	30,00	61,75	62,00	12,00	A	*30X62X12	S	32
30,00	46,00	46,20	7,00	A	30X46X7	S	32	30,00	62,00	62,10	7,00	A	*473049V	V	47
30,00	46,00	46,23	7,00	A	223018	S	32	30,00	62,00	62,10	9,50	A	*471353	S	47
30,00	46,00	46,30	8,00	A	712001	N	32	30,00	62,00	62,15	6,35	A	*43493	S	48
30,00	46,80	47,00	5,00	A	*30X47X5	S	32	30,00	62,00	62,20	7,00	A	*30X62X7V	V	35
30,00	46,80	47,00	6,00	A	*30X47X6	S	32	30,00	62,00	62,28	7,00	A	30X62X7	S	35
30,00	46,80	47,00	8,00	A	*30X47X8	S	32	30,00	64,75	65,00	10,00	A	*30X65X10	S	32
30,00	46,80	47,00	10,00	A	*30X47X10	S	32	30,00	65,00	65,20	8,00	A	*30X65X8	S	32
30,00	47,00	47,25	8,00	A	*713116	N	48	30,00	65,00	65,23	34,00	A	710065	S	#
30,00	47,00	47,20	7,00	A	*30X47X7V	V	32	30,00	67,75	68,00	10,00	A	*30X68X10	S	32
30,00	47,00	47,25	7,00	A	30X47X7	S	35	30,00	68,00	68,20	8,00	A	*30X68X8	S	32
30,00	47,00	47,25	8,00	A	223020	S	35	30,00	70,00	70,20	8,00	A	*30X70X8	S	32
30,00	47,80	48,00	7,00	A	*30X48X7	S	32	30,00	71,75	72,00	8,00	A	*30X72X8	S	32
30,00	47,80	48,00	10,00	A	*30X48X10	S	32	30,00	72,00	72,14	9,50	A	*470442V	V	47
30,00	48,00	48,28	8,00	A	30X48X8	S	35	30,00	72,00	72,20	7,00	A	30X72X7	S	47
30,00	48,00	48,30	8,00	A	714619	S	35	30,00	72,00	72,20	8,00	A	*30X72X8V	V	32
30,00	48,30	48,50	8,00	A	*30X48.5X8	S	32	30,00	72,00	72,27	10,00	A	30X72X10	S	35
30,00	48,80	49,00	8,00	A	*30X49X8	S	32	30,00	74,75	75,00	9,00	A	*30X75X9	S	32
30,00	49,80	50,00	10,00	A	*30X50X10	S	32	30,00	74,75	75,00	10,00	A	*30X75X10	S	32
30,00	49,80	50,00	11,00	A	*30X50X11	S	32	30,00	76,72	77,00	9,00	A	*30X77X9	S	32
30,00	49,80	50,00	11,00	A	*30X50X11	S	32	30,00	76,72	77,00	10,00	A	*30X77X10	S	32
30,00	49,80	50,00	12,00	A	*30X50X12	S	32	30,00	79,72	80,00	10,00	A	*30X80X10	S	32
30,00	50,00	50,20	8,00	A	30X50X8	S	48	30,20	42,00	42,10	6,00	A	710340	V	44
30,00	50,00	50,20	10,00	A	*30X50X10V	V	35								
30,00	50,00	50,23	7,00	A	30X50X7	S	35								
30,00	50,00	50,23	7,00	A	223050	S	32								
30,00	50,00	52,20	13,50	A	*713038	N	32								

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↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
30,50	51,75	52,00	8,00	A	*30.5X52X8	S	32	32,00	50,00	50,14	8,00	A	710164	V	48
31,00	42,00	42,20	8,00	A	710172	V	35	32,00	50,00	50,20	10,00	A	*32X50X10V	V	35
31,00	44,00	44,20	8,00	A	31X44X8	S	32	32,00	50,00	50,23	8,00	A	32X50X8	S	35
31,00	46,00	46,20	8,00	A	710332◀	N	32	32,00	50,00	50,23	8,00	A	223250▶	S	32
31,00	46,00	46,28	8,00	A	1121▶	V	32	32,00	50,00	50,23	8,00	A	710415▶	S	32
31,00	46,80	47,00	10,00	A	*31X47X10	S	32	32,00	51,75	52,00	8,00	A	*32X52X8	S	32
31,00	48,80	49,00	7,00	A	*31X49X7	S	32	32,00	51,75	52,00	10,00	A	*32X52X10	S	32
31,00	49,80	50,00	8,00	A	*31X50X8	S	32	32,00	51,75	52,00	11,00	A	*32X52X11	S	32
31,00	51,75	52,00	6,00	A	*31X52X6	S	32	32,00	51,75	52,00	12,00	A	*32X52X12	S	32
31,00	51,75	52,00	7,00	A	*31X52X7	S	32	32,00	52,00	52,20	7,00	A	*32X52X7V	V	35
32,00	39,80	40,00	7,00	A	*32X40X7	S	32	32,00	52,00	52,20	10,00	A	710306▶	S	32
32,00	39,80	40,00	10,00	A	*32X40X10	S	32	32,00	52,00	52,25	11,00	A	1167	N	32
32,00	40,00	40,15	5,00	A	223210	S	34	32,00	52,00	52,28	7,00	A	32X52X7	S	35
32,00	40,80	41,00	7,00	A	*32X41X7	S	32	32,00	52,00	52,28	7,00	A	223255	S	35
32,00	41,80	42,00	6,00	A	*32X42X6	S	32	32,00	52,00	52,28	11,00	A	223252▶	N	32
32,00	42,00	42,20	7,00	A	32X42X7	S	35	32,00	52,00	52,40	135,00	A	*713146	N	32
32,00	42,00	42,20	8,00	A	32X42X8	S	32	32,00	52,75	53,00	7,00	A	*32X53X7	S	32
32,00	42,00	42,20	8,00	A	710282	S	32	32,00	53,00	53,28	7,00	A	223253▶	N	32
32,00	42,00	42,20	10,00	A	223215▶	S	32	32,00	53,75	54,00	8,00	A	*32X54X8	S	32
32,00	43,00	43,20	7,00	A	32X43X7	S	32	32,00	54,00	54,20	10,00	A	2008&	S	#
32,00	43,00	43,20	7,00	A	710370	S	32	32,00	54,00	54,23	10,00	A	32X54X10	S	32
32,00	43,00	43,28	4,00	A	*4596	N	35	32,00	54,75	55,00	6,50	A	*32X55X6.5	S	32
32,00	43,80	44,00	5,00	A	*32X44X5	S	32	32,00	54,75	55,00	7,00	A	*32X55X7	S	32
32,00	43,80	44,00	6,00	A	*32X44X6	S	32	32,00	54,75	55,00	8,00	A	*32X55X8	S	32
32,00	43,80	44,00	7,00	A	*32X44X7	S	32	32,00	54,75	55,00	10,00	A	*32X55X10	S	32
32,00	43,80	44,00	8,00	A	*32X44X8	S	32	32,00	54,75	55,00	11,00	A	*32X55X11	S	32
32,00	43,80	44,00	8,00	A	*32X44X8	S	32	32,00	55,75	56,00	8,00	A	*32X56X8	S	32
32,00	43,80	44,00	9,00	A	*32X44X9	S	32	32,00	56,00	56,28	10,00	A	32X56X10	S	35
32,00	43,80	44,00	10,00	A	*32X44X10	S	32	32,00	57,75	58,00	10,00	A	*32X58X10	S	32
32,00	44,00	44,23	6,00	A	223220▶	N	32	32,00	57,75	58,00	12,00	A	*32X58X12	S	32
32,00	44,30	44,50	8,00	A	*32X44.5X8	S	32	32,00	58,00	58,20	8,00	A	32X58X8	S	32
32,00	44,30	44,50	10,00	A	*32X44.5X10	S	32	32,00	58,00	58,29	12,70	A	*1204	S	32
32,00	44,80	45,00	6,00	A	*32X45X6	S	32	32,00	60,00	60,20	8,00	A	32X60X8	S	32
32,00	44,80	45,00	6,50	A	*32X45X6.5	S	32	32,00	60,00	60,20	10,00	A	32X60X10	S	48
32,00	44,80	45,00	8,00	A	*32X45X8	S	32	32,00	61,75	62,00	10,00	A	*32X62X10	S	32
32,00	44,80	45,00	10,00	A	*32X45X10	S	32	32,00	61,75	62,00	12,00	A	*32X62X12	S	32
32,00	45,00	45,21	6,00	A	320348▶	V	32	32,00	62,00	62,20	8,00	A	32X62X8	S	32
32,00	45,00	45,23	7,00	A	223230	S	32	32,00	64,75	65,00	7,50	A	*32X65X7.5	S	32
32,00	45,00	45,23	7,00	A	32X45X7	S	32	32,00	64,75	65,00	8,00	A	*32X65X8	S	32
32,00	45,80	46,00	7,00	A	*32X46X7	S	32	32,00	64,75	65,00	10,00	A	*32X65X10	S	32
32,00	45,80	46,00	8,00	A	*32X46X8	S	32	32,00	69,75	70,00	8,00	A	*32X70X8	S	32
32,00	46,00	46,20	6,00	A	*324115N	N	32	32,00	69,75	70,00	11,00	A	*32X70X11	S	32
32,00	46,00	46,23	6,00	A	32X46X6	S	32	32,00	71,75	72,00	10,00	A	*32X72X10	S	32
32,00	46,00	46,23	6,00	A	223235	N	32	32,00	72,00	72,20	8,00	A	32X72X8	S	32
32,00	46,80	47,00	6,00	A	*32X47X6	S	32	33,00	43,80	44,00	7,00	A	*33X44X7	S	32
32,00	46,80	47,00	8,00	A	*32X47X8	S	32	33,00	43,80	44,00	8,00	A	*33X44X8	S	32
32,00	46,80	47,00	10,00	A	*32X47X10	S	32	33,00	44,00	44,18	7,00	A	710070	S	47
32,00	47,00	47,20	6,00	A	710310▶	N	32	33,00	44,80	45,00	8,00	A	*33X45X8	S	32
32,00	47,00	47,20	7,00	A	*32X47X7V	V	32	33,00	44,80	45,00	10,00	A	*33X45X10	S	32
32,00	47,00	47,20	8,00	A	*580387▶	S	32	33,00	45,80	46,00	7,00	A	*33X46X7	S	32
32,00	47,00	47,23	7,00	A	32X47X7	S	35	32,99	46,43	46,53	9,53	A	6370N	N	33
32,00	47,00	47,24	10,00	A	3476▶	N	32	33,00	46,80	47,00	8,00	A	*33X47X8	S	32
32,00	47,80	48,00	7,00	A	*32X48X7	S	32	33,00	47,00	47,20	8,00	A	223340▶	S	32
32,00	47,80	48,00	10,00	A	*32X48X10	S	32	33,00	47,10	47,30	7,00	A	*33X47.3X7	S	32
32,00	48,00	48,20	7,00	A	710327▶	S	32	33,00	47,80	48,00	6,00	A	*33X48X6	S	32
32,00	48,00	48,20	8,00	A	32X48X8	S	35	33,00	47,80	48,00	8,00	A	*33X48X8	S	32
32,00	48,00	48,20	8,00	A	*32X48X8V	V	35	33,00	49,00	49,23	8,00	A	710236▶	N	32
31,50	48,00	48,20	9,00	A	223240	N	40	33,00	49,80	50,00	6,00	A	*33X50X6	S	32
32,00	48,00	48,20	10,00	A	710317▶	S	32	33,00	49,80	50,00	7,00	A	*33X50X7	S	32
32,00	49,80	50,00	7,00	A	*32X50X7	S	32								
32,00	49,80	50,00	10,00	A	*32X50X10	S	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL®

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
33,00	49,80	50,00	10,00	A	*33X50X10	S	32	34,00	63,00	63,09	9,00	A	710109↔	N	40
33,00	50,00	50,20	7,00	A	710328	S	35	34,00	65,00	65,10	12,00	A	710151	S	47
33,00	50,00	50,25	12,00	A	33X50X12	S	32	34,00	69,75	70,00	10,00	A	*34X70X10	S	32
33,00	50,00	50,25	12,00	A	1168	S	32	34,00	71,75	72,00	10,00	A	*34X72X10	S	32
33,00	56,00	56,23	8,00	A	710132	N	#	34,00	71,75	72,00	12,00	A	*34X72X12	S	32
33,00	51,75	52,00	5,00	A	*33X52X5	S	32	34,50	71,00	71,10	42,00	A	710250	N	#
33,00	51,75	52,00	10,00	A	*33X52X10	S	32	35,00	41,80	42,00	6,00	A	*35X42X6	S	32
32,99	51,92	52,02	12,45	A	3348↔	S	47	35,00	41,80	42,00	8,00	A	*35X42X8	S	32
33,00	52,00	52,25	6,00	A	33X52X6	S	32	35,00	43,80	44,00	7,00	A	*35X44X7	S	32
33,00	54,75	55,00	10,00	A	*33X55X10	S	32	35,00	44,00	44,10	7,00	A	710383	S	47
33,00	55,75	56,00	10,00	A	*33X56X10	S	32	35,00	44,80	45,00	6,00	A	*35X45X6	S	32
33,00	55,75	56,00	12,00	A	*33X56X12	S	32	35,00	44,80	45,00	8,00	A	*35X45X8	S	32
33,00	59,00	59,20	17,00	A	710124	N	#	35,00	44,80	45,00	10,00	A	*35X45X10	S	32
33,00	61,75	62,00	7,00	A	*33X62X7	S	32	35,00	44,80	45,00	12,00	A	*35X45X12	S	32
33,00	71,75	72,00	10,00	A	*33X72X10	S	32	35,00	45,00	45,15	7,00	A	35X45X7	S	35
33,00	89,90	89,60	40,00	A	5210⑤	N	35	35,00	45,80	46,00	10,00	A	*35X46X10	S	32
34,00	41,80	42,00	5,00	A	*34X42X5	S	32	35,00	46,30	46,50	8,00	A	*35X46.5X8	S	32
34,00	43,80	44,00	7,00	A	*34X44X7	S	32	35,00	46,80	47,00	7,50	A	*35X47X7.5	S	32
34,00	43,80	44,00	8,00	A	*34X44X8	S	32	35,00	46,80	47,00	8,00	A	*35X47X8	S	32
34,00	44,00	44,23	8,00	A	223400	N	32	35,00	46,80	47,00	10,00	A	*35X47X10	S	32
34,00	45,00	45,20	8,00	A	34X45X8	S	32	35,00	47,00	47,20	7,00	A	*35X47X7V	V	32
34,00	45,80	46,00	8,00	A	*34X46X8	S	32	35,00	47,00	47,23	7,00	A	223510	S	35
34,00	46,80	47,00	8,00	A	*34X47X8	S	32	35,00	47,00	47,23	7,00	A	35X47X7	S	35
34,00	46,80	47,00	9,00	A	*34X47X9	S	32	35,00	47,00	47,40	7,00	A	1172➡	H	32
34,00	47,80	48,00	7,00	A	*34X48X7	S	32	35,00	47,80	48,00	7,00	A	*35X48X7	S	32
34,00	47,80	48,00	8,00	A	*34X48X8	S	32	35,00	47,80	48,00	9,00	A	*35X48X9	S	32
34,00	48,00	48,20	7,00	A	*580388➡	S	32	35,00	47,80	48,00	10,00	A	*35X48X10	S	32
34,00	48,00	48,28	7,50	A	710416	S	35	35,00	48,00	48,21	7,60	A	320249➡	V	32
34,00	48,00	48,28	7,50	A	223410	S	35	35,00	48,00	48,20	8,00	A	35X48X8	S	32
34,00	48,00	48,28	8,00	A	223420➡	N	32	35,00	48,00	48,20	8,00	A	714436	S	32
34,00	49,80	50,00	7,00	A	*34X50X7	S	32	35,00	48,00	48,25	14,00	A	1215	N	#
34,00	49,80	50,00	8,00	A	*34X50X8	S	32	35,00	48,00	48,25	14,00	A	1215N	N	#
34,00	49,80	50,00	10,00	A	*34X50X10	S	32	35,00	48,00	48,28	15,00	A	710051&	S	86
34,00	49,80	50,00	12,00	A	*34X50X12	S	32	35,00	48,00	48,40	7,00	A	1108➡	V	32
34,00	50,00	50,20	8,00	A	223430➡	N	35	35,00	48,00	48,80	2,00	A	*713005	N	47
34,00	50,00	50,20	8,00	A	710417	N	35	35,00	48,80	49,00	6,00	A	*35X49X6	S	32
34,00	51,75	52,00	10,00	A	*34X52X10	S	32	35,00	48,80	49,00	8,00	A	*35X49X8	S	32
34,00	51,75	52,00	11,00	A	*34X52X11	S	32	35,00	49,00	49,30	8,00	A	710178	S	#
34,00	52,00	52,28	8,00	A	34X52X8	S	32	35,00	49,21	49,63	6,00	A	1987	N	33
34,00	52,75	53,00	8,00	A	*34X53X8	S	32	35,00	49,30	49,50	10,00	A	*35X49.5X10	S	32
34,00	53,00	53,28	8,00	A	710418	N	32	35,00	49,60	49,83	11,00	A	1940➡	N	32
34,00	53,00	53,28	8,00	A	223440	N	32	35,00	49,80	50,00	9,00	A	*35X50X9	S	32
34,00	53,75	54,00	8,00	A	*34X54X8	S	32	35,00	49,80	50,00	10,00	A	*35X50X10	S	32
34,00	54,00	54,20	9,00	A	34X54X9	S	35	35,00	49,80	50,00	11,00	A	*35X50X11	S	32
34,00	54,00	54,25	9,00	A	710110↔	N	40	35,00	50,00	50,20	7,00	A	35X50X7	S	35
34,00	54,75	55,00	11,00	A	*34X55X11	S	32	35,00	50,00	50,20	8,00	A	*35X50X8V	V	32
34,00	55,00	55,20	9,00	A	34X55X9	S	32	35,00	50,00	50,20	8,00	A	710329↔	H	32
34,00	56,00	56,20	8,00	A	*34X56X8	S	32	35,00	50,00	50,20	11,00	A	710324↔	S	32
34,00	57,75	58,00	10,00	A	*34X58X10	S	32	35,00	50,00	50,24	8,00	A	35X50X8	S	35
34,00	58,00	58,20	8,00	A	*34X58X8	S	32	35,00	50,00	50,24	8,00	A	223520	S	35
34,00	60,00	60,20	8,00	A	*34X60X8	S	32	35,00	50,00	50,25	10,00	A	*1980➡	H	32
34,00	61,75	62,00	7,00	A	*34X62X7	S	32	35,00	50,00	50,24	12,00	A	*1169	N	32
34,00	61,75	62,00	14,00	A	*34X62X14	S	32	35,00	50,00	50,30	8,00	A	*713150	N	35
34,00	62,00	62,18	10,00	A	34X62X10	S	35	35,00	50,00	50,30	9,00	A	*713046	V	35
34,00	62,00	62,20	10,00	A	710422	S	35	35,00	50,00	50,28	11,50	A	710111↔	N	#
34,00	62,00	62,20	10,00	A	223462	S	35	35,00	50,00	50,34	7,00	A	3771➡	H	35
								35,00	50,00	50,34	7,00	A	713771➡	V	35
								35,00	50,00	50,80	10,00	A	*713006	N	47
								35,00	50,00	50,80	10,00	A	*713007	V	32
								35,00	50,75	51,00	7,00	A	*35X51X7	S	32
								35,00	50,75	51,00	8,00	A	*35X51X8	S	32
								35,00	50,75	51,00	10,00	A	*35X51X10	S	32
								35,00	51,75	52,00	9,00	A	*35X52X9	S	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional ⑤ Seal & Installation Sleeve & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
35,00	51,75	52,00	10,00	A	*35X52X10	S	32	35,00	60,00	60,23	10,00	A	710424	S	35
35,00	51,75	52,00	11,00	A	*35X52X11	S	32	35,00	60,00	60,30	12,00	A	710201	S	47
35,00	51,75	52,00	12,00	A	*35X52X12	S	32								
35,00	52,00	52,10	7,90	A	*484063	S	48	35,00	61,75	62,00	6,00	A	*35X62X6	S	32
35,00	52,00	52,13	8,00	A	35X52X8	S	33	35,00	61,75	62,00	8,00	A	*35X62X8	S	32
35,00	52,00	52,13	8,00	A	223535	S	33	35,00	61,75	62,00	8,00	A	*35X62X8	S	32
35,00	52,00	52,13	8,00	A	*4052➡	N	47	35,00	61,75	62,00	9,50	A	*35X62X9.5	S	32
35,00	52,00	52,13	8,50	A	*1077	S	33	35,00	61,75	62,00	11,00	A	*35X62X11	S	32
35,00	52,00	52,20	7,00	A	35X52X7	S	35	35,00	61,75	62,00	12,00	A	*35X62X12	S	32
35,00	52,00	52,25	10,00	A	1170	S	32	35,00	62,00	62,20	7,00	A	*35X62X7V	V	35
35,00	52,00	52,35	7,75	A	3655➡	N	32	35,00	62,00	62,20	10,00	A	35X62X10	S	35
35,00	52,00	52,35	7,75	A	713655◀	N	32	35,00	62,00	62,28	7,00	A	35X62X7	S	35
35,00	53,26	53,67	7,75	A	4040N◀	N	32	35,00	62,00	62,28	8,00	A	4901◀➡	N	40
								35,00	62,00	62,28	9,00	A	223553➡	N	40
35,00	53,75	54,00	10,00	A	*35X54X10	S	32	35,00	62,00	62,28	9,50	A	223552	S	32
35,00	54,00	54,10	8,00	A	710217	S	#	35,00	63,00	63,20	9,00	A	710138◀➡	S	40
35,00	54,00	54,10	9,00	A	710199◀➡	N	#	35,00	63,00	63,28	10,00	A	710419	S	#
35,00	54,00	54,20	8,00	A	35X54X8	S	35	35,00	63,00	63,28	10,00	A	223554	S	#
35,00	54,00	54,20	8,00	A	710331◀	V	32	35,00	63,45	63,55	7,92	A	*6952S	S	#
35,00	54,00	54,20	10,00	A	*35X54X10V	V	35	35,00	63,50	63,83	11,05	A	7687S	S	#
35,00	54,00	54,30	8,00	A	1119➡	V	32								
35,00	54,75	55,00	7,00	A	*35X55X7	S	32	35,00	63,75	64,00	12,00	A	*35X64X12	S	32
35,00	54,75	55,00	9,00	A	*35X55X9	S	32	35,00	63,75	64,00	13,00	A	*35X64X13	S	32
35,00	54,75	55,00	10,00	A	*35X55X10	S	32	35,00	64,00	64,13	8,00	A	35X64X8	N	47
35,00	54,75	55,00	12,00	A	*35X55X12	S	32	35,00	64,00	64,13	8,00	A	223555	N	47
								35,00	64,00	64,14	9,50	A	*474125N	N	47
35,00	54,89	55,04	14,66	A	3543◀➡	H	57	35,00	64,75	65,00	12,00	A	*35X65X12	S	32
35,00	55,00	55,18	8,00	A	473823	S	47								
35,00	55,00	55,20	10,00	A	*35X55X10V	V	32	35,00	65,00	65,20	8,00	A	35X65X8	S	32
35,00	55,00	55,20	10,00	A	*713117	N	47	35,00	65,00	65,20	10,00	A	35X65X10	S	32
35,00	55,00	55,10	8,00	A	35X55X8	S	47	35,00	65,00	65,20	12,00	A	710335	S	32
35,00	55,00	55,23	11,00	A	35X55X11	S	32	35,00	67,00	67,27	12,00	A	1173	N	32
35,00	55,00	55,23	11,00	A	223542	N	32								
35,00	55,00	55,30	11,00	A	*1171	S	32	35,00	67,75	68,00	6,00	A	*35X68X6	S	32
35,00	55,00	55,45	8,00	A	223540◀➡	N	32								
35,00	55,75	56,00	5,80	A	*35X56X5.8	S	32	35,00	68,00	68,16	9,00	A	223580➡	S	40
35,00	55,75	56,00	12,00	A	*35X56X12	S	32	35,00	68,00	68,20	9,00	A	710336◀	N	40
								35,00	68,00	68,20	10,00	A	*35X68X10V	V	35
35,00	56,00	56,10	16,00	A	710218	V	#	35,00	68,00	68,23	10,00	A	*35X68X10	S	35
35,00	56,00	56,20	8,00	A	35X56X8	S	35	35,00	68,00	68,23	12,50	A	*1140	N	32
35,00	56,00	56,20	8,00	A	710314◀	N	40	35,00	69,00	69,20	8,00	A	*35X69X8	S	32
35,00	56,00	56,20	8,00	A	710315➡	S	40	35,00	69,75	70,00	10,00	A	*35X70X10	S	32
35,00	56,00	56,20	9,00	A	710396◀➡	S	40								
35,00	56,00	56,20	10,00	A	*35X56X10V	V	35	35,00	70,00	70,20	8,00	A	35X70X8	S	32
35,00	56,00	56,27	10,00	A	35X56X10	S	32								
35,00	56,00	56,27	10,00	A	223543	S	32	35,00	71,75	72,00	7,00	A	*35X72X7	S	32
35,00	56,00	56,27	10,00	A	*320857	S	32	35,00	71,75	72,00	11,00	A	*35X72X11	S	32
35,00	56,00	56,30	9,00	A	2007➡	S	#	35,00	71,75	72,00	12,00	A	*35X72X12	S	32
35,00	56,00	56,30	9,00	A	2007N➡	S	#								
35,00	56,75	57,00	9,00	A	*35X57X9	S	32	35,00	72,00	72,20	8,00	A	35X72X8	S	32
35,00	56,75	57,00	10,00	A	*35X57X10	S	32	35,00	72,00	72,20	10,00	A	*35X72X10V	V	35
								35,00	72,00	72,28	10,00	A	35X72X10	S	35
35,00	56,90	57,05	18,64	A	*4150N◀➡	N	#	35,00	72,00	72,28	10,00	A	710360	S	35
35,00	56,90	57,05	19,41	A	710096◀➡	N	74								
35,00	57,00	57,30	15,27	A	100165	S	#	35,00	74,75	75,00	8,00	A	*35X75X8	S	32
								35,00	76,00	76,28	9,00	A	1147➡	N	32
35,00	57,75	58,00	9,00	A	*35X58X9	S	32	35,00	76,00	76,30	12,50	A	1136◀	N	30
35,00	57,75	58,00	12,00	A	*35X58X12	S	32	35,00	78,00	78,20	8,00	A	*35X78X8	S	32
35,00	57,75	58,00	13,00	A	*35X58X13	S	32								
35,00	57,75	58,00	18,00	A	*35X58X18	S	32	35,00	79,72	80,00	10,00	A	*35X80X10	S	32
								35,00	79,72	80,00	12,00	A	*35X80X12	S	32
35,00	58,00	58,10	10,00	A	223550	S	45	35,00	79,72	80,00	13,00	A	*35X80X13	S	32
35,00	58,00	58,14	11,90	A	*1086	S	33								
35,00	58,00	58,28	10,00	A	35X58X10	S	35	35,00	80,00	80,20	8,00	A	35X80X8	S	32
35,00	58,00	58,80	10,00	A	*713008	N	47	35,00	81,72	82,00	7,00	A	*35X82X7	S	32
35,00	58,00	58,80	10,00	A	*713009	N	32								
								36,00	43,80	44,00	5,00	A	*36X44X5	S	32
35,00	58,75	59,00	12,00	A	*35X59X12	S	32								
35,00	59,75	60,00	8,00	A	*35X60X8	S	32	36,00	44,00	44,23	5,00	A	710252	S	32
35,00	59,75	60,00	11,00	A	*35X60X11	S	32								
35,00	59,75	60,00	12,00	A	*35X60X12	S	32	36,00	45,80	46,00	6,00	A	*36X46X6	S	32
								36,00	45,80	46,00	9,00	A	*36X46X9	S	32
35,00	60,00	60,23	10,00	A	35X60X10	S	35								
35,00	60,00	60,23	10,00	A	223551	S	35	36,00	46,00	46,10	9,00	A	710343	S	33

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

◀➡ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL®

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
36,00	46,80	47,00	8,00	A	*36X47X8	S	32	37,00	56,00	56,20	12,50	A	710259↔	V	32
36,00	47,00	47,20	7,00	A	36X47X7	S	35	37,00	56,75	57,00	10,00	A	*37X57X10	S	32
36,00	47,00	47,20	7,00	A	223601	S	35	37,00	57,75	58,00	7,00	A	*37X58X7	S	32
36,00	47,80	48,00	7,00	A	*36X48X7	S	32	37,00	57,75	58,00	10,00	A	*37X58X10	S	32
36,00	47,80	48,00	10,00	A	*36X48X10	S	32	37,00	57,75	58,00	13,00	A	*37X58X13	S	32
36,00	48,80	49,00	7,00	A	*36X49X7	S	32	37,00	58,00	58,10	10,00	A	710353➔	S	66
36,00	49,00	49,28	7,00	A	223602➔	N	32	37,00	62,00	62,23	10,00	A	710228	S	40
36,00	49,80	50,00	10,00	A	*36X50X10	S	32	37,00	63,75	64,00	13,00	A	*37X64X13	S	32
36,00	50,00	50,08	7,00	A	36X50X7	S	47	37,00	78,00	78,30	12,00	A	239134	S	#
36,00	50,00	50,08	7,00	A	223605	S	47	38,00	46,80	47,00	7,00	A	*38X47X7	S	32
36,00	50,00	50,08	7,00	A	*474097	S	47	38,00	47,00	47,10	7,00	A	223805	S	25
36,00	50,00	50,20	8,00	A	710341↔	S	32	38,00	47,00	47,25	8,00	A	*38X47X8	S	25
36,00	50,75	51,00	7,00	A	*36X51X7	S	32	38,00	47,80	48,00	6,00	A	*38X48X6	S	32
36,00	51,75	52,00	8,00	A	*36X52X8	S	32	38,00	47,80	48,00	7,00	A	*38X48X7	S	32
36,00	51,75	52,00	10,00	A	*36X52X10	S	32	38,00	47,80	48,00	10,00	A	*38X48X10	S	32
36,00	52,00	52,20	7,00	A	36X52X7	S	35	38,00	49,80	50,00	8,00	A	*38X50X8	S	32
36,00	52,00	52,20	7,00	A	*36X52X7V	V	32	38,00	49,80	50,00	10,00	A	*38X50X10	S	32
36,00	52,00	52,20	10,00	A	223608↔	S	32	38,00	50,00	50,20	7,00	A	*38X50X7V	V	35
36,00	53,75	54,00	7,00	A	*36X54X7	S	32	38,00	50,00	50,25	6,00	A	223802➔	N	32
36,00	53,75	54,00	10,00	A	*36X54X10	S	32	38,00	50,00	50,25	7,00	A	38X50X7	S	35
36,00	54,00	54,20	7,50	A	*36X54X8V	V	35	38,00	50,00	50,28	8,00	A	223801	S	32
36,00	54,00	54,20	7,50	A	36X54X7.5	S	35	38,00	50,00	50,28	10,50	A	223800➔	N	32
36,00	54,00	54,20	8,00	A	36X54X8	S	35	38,00	50,75	51,00	7,00	A	*38X51X7	S	32
36,00	54,00	54,28	7,00	A	710197	N	40	38,00	51,75	52,00	6,00	A	*38X52X6	S	32
36,00	54,00	54,28	7,50	A	223610	S	35	38,00	51,75	52,00	8,00	A	*38X52X8	S	32
36,00	54,75	55,00	10,00	A	*36X55X10	S	32	38,00	51,75	52,00	9,00	A	*38X52X9	S	32
36,00	54,75	55,00	12,00	A	*36X55X12	S	32	38,00	51,75	52,00	10,00	A	*38X52X10	S	32
36,00	55,00	55,09	6,50	A	2003	S	47	38,00	52,00	52,20	6,00	A	710309	S	#
36,00	55,00	55,09	6,50	A	2003N	S	47	38,00	52,00	52,20	7,00	A	38X52X7	S	32
36,00	55,00	55,09	6,50	A	*474113	S	47	38,00	52,00	52,20	7,00	A	*38X52X7V	V	35
36,00	55,00	55,12	9,50	A	*474121	S	47	38,00	52,00	52,20	9,00	A	239128	S	#
36,00	55,75	56,00	12,00	A	*36X56X12	S	32	38,00	52,00	52,25	6,00	A	1196	S	47
36,00	56,00	56,20	10,00	A	*713066	N	#	38,00	52,00	52,25	8,50	A	38X52X8.5	S	32
36,00	56,00	56,20	13,50	A	*713067	N	#	38,00	52,00	52,25	8,50	A	1174	S	32
36,00	56,00	56,25	10,00	A	36X56X10	S	35	38,00	52,00	52,30	8,00	A	*320833	S	32
36,00	56,00	56,80	9,00	A	*713010	V	25	38,00	52,00	52,30	8,00	A	1966➔	H	35
36,00	58,00	58,25	8,00	A	36X58X8	S	47	38,00	52,00	52,30	10,00	A	*713047	S	48
36,00	58,00	58,23	12,00	A	36X58X12	S	35	38,00	52,04	52,15	6,35	A	3357&	S	283
36,00	58,00	58,30	8,00	A	474288	S	47	38,00	52,27	52,40	6,35	A	482415	S	48
36,00	59,75	60,00	6,00	A	*36X60X6	S	32	38,00	52,35	52,60	6,00	A	*38X52.6X6	S	32
36,00	60,00	60,20	7,00	A	36X60X7	S	32	38,00	52,91	53,01	8,26	A	*293751	S	29
36,00	60,00	60,20	8,00	A	1965	V	48	38,00	53,00	53,20	8,00	A	38X53X8	S	32
36,00	61,75	62,00	10,00	A	*36X62X10	S	32	38,00	53,00	53,30	8,00	A	1120↔	V	32
36,00	62,00	62,28	7,00	A	36X62X7	S	32	38,00	54,00	54,10	25,00	A	39875➔	T	#
36,00	63,25	63,50	13,00	A	*36X63.5X13	S	32	38,00	54,00	54,18	7,00	A	38X54X7	S	48
36,00	64,00	64,20	11,00	A	710152	S	#	38,00	54,00	54,18	10,00	A	38X54X10	S	32
36,00	65,00	65,20	8,00	A	710057	S	48	38,00	54,00	54,20	10,00	A	*38X54X10V	V	35
36,00	68,00	68,18	8,00	A	223620➔	S	48	38,00	54,00	54,30	7,00	A	239146	S	48
36,00	68,00	68,28	10,00	A	36X68X10	S	35	38,00	54,75	55,00	6,00	A	*38X55X6	S	32
36,00	70,00	70,20	8,00	A	*36X70X8	S	32	38,00	54,75	55,00	8,00	A	*38X55X8	S	32
36,00	72,00	72,20	8,00	A	*36X72X8	S	32	38,00	54,75	55,00	9,00	A	*38X55X9	S	32
36,50	61,75	62,00	7,00	A	*36.5X62X7	S	32	38,00	54,75	55,00	10,00	A	*38X55X10	S	32
37,00	46,80	47,00	10,00	A	*37X47X10	S	32	38,00	55,00	55,23	7,00	A	38X55X7	N	35
37,00	50,00	50,25	6,00	A	223750➔	N	32	38,00	55,00	55,28	7,00	A	223830	N	35
37,00	50,50	50,70	7,00	A	710355➔	N	32	38,00	55,00	55,30	9,00	A	223831➔	N	32
37,00	52,00	52,15	6,00	A	710149	S	#	38,00	55,75	56,00	7,00	A	*38X56X7	S	32
37,00	52,00	52,28	8,00	A	37X52X8	S	35	38,00	55,75	56,00	12,00	A	*38X56X12	S	32
37,00	52,75	53,00	7,00	A	*37X53X7	S	32	38,00	56,00	56,20	10,00	A	*38X56X10V	V	35
37,00	54,75	55,00	8,00	A	*37X55X8	S	32	38,00	56,00	56,28	10,00	A	38X56X10	S	35
								38,00	56,00	56,30	13,50	A	*713048	N	47
								38,00	56,75	57,00	10,00	A	*38X57X10	S	32
								38,00	57,75	58,00	7,00	A	*38X58X7	S	32
								38,00	57,75	58,00	10,00	A	*38X58X10	S	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➔ Hydrodynamic Lip Design-CW

↔ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
38,00	57,75	58,00	11,00	A	*38X58X11	S	32	39,00	58,75	59,00	8,00	A	*39X59X8	S	32
38,00	58,00	58,10	11,00	A	710319	S	47	39,00	59,00	59,28	11,00	A	710214	N	40
38,00	58,00	58,11	8,00	A	38X58X8	S	47	39,00	59,00	59,30	11,00	A	710118	S	40
38,00	58,00	58,11	8,00	A	223840	S	47								
38,00	58,00	58,11	8,00	A	223842	V	48	39,00	64,75	65,00	8,00	A	*39X65X8	S	32
38,00	58,00	58,11	8,00	A	*474119	S	47								
38,00	58,00	58,20	10,00	A	710139	N	#	39,60	51,75	52,00	11,00	A	*39.6X52X11	S	32
38,00	58,00	58,25	11,00	A	1175◆	S	32	40,00	49,80	50,00	5,00	A	*40X50X5	S	32
38,00	59,00	59,30	9,00	A	1038◆	N	32	40,00	49,80	50,00	6,50	A	*40X50X6.5	S	32
								40,00	49,80	50,00	7,00	A	*40X50X7	S	32
38,00	59,75	60,00	9,00	A	*38X60X9	S	32	40,00	49,80	50,00	10,00	A	*40X50X10	S	32
38,00	60,00	60,20	8,00	A	38X60X8	S	32	40,00	50,00	50,20	8,00	A	40X50X8	S	35
38,00	60,00	60,20	10,00	A	*38X60X10V	V	35								
38,00	60,00	60,35	10,00	A	38X60X10	S	35	40,00	51,75	52,00	6,00	A	*40X52X6	S	32
38,00	60,00	60,35	10,00	A	223843	S	35	40,00	51,75	52,00	8,00	A	*40X52X8	S	32
								40,00	51,75	52,00	9,00	A	*40X52X9	S	32
38,00	60,25	60,50	12,00	A	*38X60.5X12	S	32	40,00	51,75	52,00	10,00	A	*40X52X10	S	32
38,00	61,75	62,00	9,00	A	*38X62X9	S	32								
38,00	61,75	62,00	10,00	A	*38X62X10	S	32	40,00	52,00	52,12	7,50	A	*3967	S	#
38,00	61,75	62,00	12,00	A	*38X62X12	S	32	40,00	52,00	52,12	8,00	A	*3609	S	47
								40,00	52,00	52,12	8,50	A	1962&	S	78
38,00	62,00	62,10	6,00	A	710224	S	49	40,00	52,00	52,20	6,00	A	710308◆	S	32
38,00	62,00	62,20	7,00	A	*38X62X7V	V	32	40,00	52,00	52,20	6,50	A	239201&	S	32
38,00	62,00	62,24	13,00	A	710209	N	#	40,00	52,00	52,20	7,00	A	*40X52X7V	V	32
38,00	62,00	62,28	7,00	A	38X62X7	S	35	40,00	52,00	52,22	9,00	A	4175	S	#
38,00	63,00	63,12	10,00	A	2009	N	#	40,00	52,00	52,25	6,00	A	1178	S	32
								40,00	52,00	52,25	7,00	A	40X52X7	S	35
38,00	63,25	63,50	10,00	A	*38X63.5X10	S	32	40,00	52,00	52,28	7,00	A	224010	S	35
38,00	64,75	65,00	10,00	A	*38X65X10	S	32	40,00	52,00	52,28	7,00	A	224015	S	32
38,00	64,75	65,00	11,00	A	*38X65X11	S	32	40,00	52,00	52,28	7,00	A	224052◆	H	32
38,00	64,75	65,00	13,00	A	*38X65X13	S	32	40,00	52,00	52,28	9,00	A	1217&	N	35
38,00	65,00	65,20	8,00	A	38X65X8	S	32	40,00	52,75	53,00	8,00	A	*40X53X8	S	32
38,00	65,00	65,20	8,00	A	710435	S	32	40,00	53,75	54,00	7,00	A	*40X54X7	S	32
38,00	65,00	65,27	12,00	A	1176	N	#	40,00	53,75	54,00	8,00	A	*40X54X8	S	32
38,00	68,00	68,20	8,00	A	38X68X8	S	32	40,00	53,75	54,00	10,00	A	*40X54X10	S	32
38,00	68,00	68,20	8,00	A	710165	S	#								
38,00	68,00	68,20	10,00	A	38X68X10	S	32	40,00	53,90	54,00	6,00	A	710444◆	S	32
38,00	70,00	70,20	10,00	A	38X70X10	S	35	40,00	54,00	54,10	5,50	A	1213	S	47
								40,00	54,00	54,10	5,50	A	1213N	S	47
38,00	71,75	72,00	12,00	A	*38X72X12	S	32	40,00	54,00	54,10	8,00	A	710311	S	25
								40,00	54,00	54,20	5,50	A	40X54X6	S	47
38,00	72,00	72,20	10,00	A	38X72X10	S	35	40,00	54,00	54,20	10,00	A	710287◆◆	N	32
38,00	74,00	74,20	8,00	A	38X74X8	S	32								
38,00	74,00	74,20	11,00	A	38X74X11	N	32	40,00	54,75	55,00	7,00	A	*40X55X7	S	32
38,00	74,00	74,27	11,00	A	1177	N	32	40,00	54,75	55,00	10,00	A	*40X55X10	S	32
38,00	74,00	74,27	11,00	A	*320834	S	32								
38,00	75,00	75,20	8,00	A	*38X75X8	S	32	40,00	54,89	55,00	13,00	A	710443	N	#
38,00	78,00	78,20	8,00	A	*38X78X8	S	32	40,00	55,00	55,09	8,00	A	473677	S	47
								40,00	55,00	55,09	8,00	A	*476677	S	47
38,00	79,72	80,00	10,00	A	*38X80X10	S	32	40,00	55,00	55,17	9,60	A	3392◆◆	S	47
								40,00	55,00	55,20	6,50	A	40X55X6	S	35
38,00	80,00	80,20	8,00	A	*38X80X8	S	32	40,00	55,00	55,20	7,00	A	*713155	V	32
38,00	90,00	90,20	8,00	A	*38X90X8	S	32	40,00	55,00	55,20	8,00	A	*40X55X8V	V	32
								40,00	55,00	55,28	8,00	A	40X55X8	S	35
38,50	53,00	53,23	8,00	A	710233◆	N	32	40,00	55,00	55,28	9,00	A	224020◆	S	32
38,50	58,00	58,20	8,50	A	710318◆	N	32								
								40,00	55,75	56,00	8,00	A	*40X56X8	S	32
39,00	50,00	50,29	11,00	A	710120	N	#	40,00	55,75	56,00	8,00	A	*40X56X8	S	32
39,00	50,50	50,75	8,50	A	1126	S	25	40,00	55,75	56,00	8,00	A	*40X56X8	S	32
39,00	50,75	51,00	7,50	A	*39X51X7.5	S	32	40,00	56,00	56,10	8,00	A	*713118	N	47
								40,00	56,00	56,20	7,00	A	40X56X7	S	32
39,00	50,80	51,00	7,50	A	1128	S	35	40,00	56,00	56,20	7,00	A	*713049	V	32
39,00	52,00	52,10	6,00	A	710338	S	66	40,00	56,00	56,20	7,00	A	*713158◆	S	48
39,00	52,00	52,10	11,30	A	1205N	S	47	40,00	56,00	56,20	7,00	A	*713159◆	S	41
39,00	52,00	52,30	11,30	A	1205	S	47	40,00	56,00	56,20	8,00	A	*40X56X8V	V	35
39,00	54,00	54,10	6,00	A	710404	S	49	40,00	56,00	56,20	9,00	A	710300	S	#
								40,00	56,00	56,20	10,00	A	40X56X10	S	35
39,00	54,75	55,00	9,00	A	*39X55X9	S	32	40,00	56,00	56,25	7,00	A	224025◆	N	32
								40,00	56,00	56,26	7,00	A	*350612	V	35
39,00	55,00	55,11	7,50	A	710158	S	40	40,00	56,00	56,26	8,00	A	712551	S	32
								40,00	56,00	56,26	9,00	A	224026	V	35
39,00	55,75	56,00	7,00	A	*39X56X7	S	32	40,00	56,00	56,80	10,00	A	*713011	N	47
								40,00	56,00	56,80	10,00	A	*713012	V	32
39,00	57,00	57,20	17,00	A	710123	N	40								
39,00	57,00	57,20	21,50	A	710122	N	40								
39,00	57,00	57,38	9,65	A	324204◆	V	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CCW

◆◆ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

◆ Hydrodynamic Lip Design-CCW

Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
40,00	56,75	57,00	7,00	A	*40X57X7	S	32	40,00	73,75	74,00	10,00	A	*40X74X10	S	32
40,00	56,90	57,15	10,00	A	*40X57.15X10	S	32	40,00	74,00	74,12	10,00	A	474133	S	47
40,00	57,00	57,20	10,00	A	40X57X10	S	32	40,00	74,00	74,20	8,00	A	*40X74X8	S	32
40,00	57,00	57,20	10,00	A	710432	S	32	40,00	74,75	75,00	10,00	A	*40X75X10	S	32
40,00	57,75	58,00	6,50	A	*40X58X6.5	S	32	40,00	74,75	75,00	13,00	A	*40X75X13	S	32
40,00	58,00	58,14	9,00	A	3459◆◆	N	74	40,00	75,00	75,20	8,00	A	40X75X8	S	32
40,00	58,00	58,20	8,00	A	40X58X8	S	35	40,00	75,00	75,20	12,00	A	712011	S	32
40,00	58,00	58,20	10,00	A	*40X58X10V	V	35	40,00	75,00	75,26	12,00	A	2011◆	N	40
40,00	58,00	58,28	10,00	A	40X58X10	S	32	40,00	75,00	75,26	18,00	A	712020◆	N	32
40,00	58,00	58,30	10,00	A	*713154	N	48	40,00	75,00	75,30	12,00	A	*710050	S	32
40,00	58,75	59,00	10,00	A	*40X59X10	S	32	40,00	75,00	75,30	12,00	A	710113	S	#
40,00	59,75	60,00	7,00	A	*40X60X7	S	32	40,00	75,75	76,00	8,00	A	*40X76X8	S	32
40,00	59,75	60,00	12,00	A	*40X60X12	S	32	40,00	76,00	76,25	8,00	A	1036◆	S	40
40,00	60,00	60,20	8,00	A	710147	S	#	40,00	76,00	76,28	12,50	A	1146◆	N	32
40,00	60,00	60,20	10,00	A	224040	S	35	40,00	78,00	78,20	10,00	A	40X78X10	S	35
40,00	60,00	60,20	10,00	A	40X60X10	S	35	40,00	78,00	78,80	8,00	A	40X78X8	S	32
40,00	60,00	60,20	10,00	A	*40X60X10V	V	35	40,00	79,72	80,00	7,00	A	*40X80X7	S	32
40,00	60,00	60,20	10,00	A	*1078	S	33	40,00	79,72	80,00	12,00	A	*40X80X12	S	32
40,00	61,75	62,00	9,00	A	*40X62X9	S	32	40,00	80,00	80,20	10,00	A	*40X80X10V	V	32
40,00	61,75	62,00	10,00	A	*40X62X10	S	32	40,00	80,00	80,28	10,00	A	40X80X10	S	35
40,00	61,75	62,00	11,00	A	*40X62X11	S	32	40,00	80,22	80,50	10,00	A	*40X80.5X10	S	32
40,00	61,75	62,00	11,50	A	*40X62X11.5	S	32	40,00	82,00	82,20	8,00	A	*40X82X8	S	32
40,00	62,00	62,20	7,00	A	40X62X7	S	35	40,00	85,00	85,20	8,00	A	*40X85X8	S	32
40,00	62,00	62,20	7,00	A	*40X62X7V	V	32	40,00	88,00	88,20	8,00	A	*40X88X8	S	32
40,00	62,00	62,20	9,00	A	710131	S	#	40,00	89,72	90,00	10,00	A	*40X90X10	S	32
40,00	62,00	62,20	10,00	A	*713021	N	25	40,00	89,72	90,00	12,00	A	*40X90X12	S	32
40,00	62,00	62,25	8,00	A	40X62X8	S	32	40,00	90,00	90,20	8,00	A	40X90X8	S	35
40,00	62,00	62,25	10,00	A	*1179	S	#	41,00	50,75	51,00	5,00	A	*41X51X5	S	32
40,00	62,00	62,25	11,50	A	40X62X12	S	35	41,00	52,75	53,00	7,00	A	*41X53X7	S	32
40,00	62,00	62,27	10,00	A	710196	V	32	41,00	53,00	53,25	7,00	A	1950	S	41
40,00	62,00	62,27	11,00	A	224045	S	32	41,00	53,75	54,00	7,00	A	*41X54X7	S	32
40,00	62,00	62,30	6,50	A	710227	S	#	41,00	54,00	54,23	7,00	A	224150	N	35
40,00	62,25	62,50	11,00	A	*40X62.5X11	S	32	41,00	55,00	55,29	7,00	A	41X55X7	S	32
40,00	62,75	63,00	7,00	A	*40X63X7	S	32	41,00	55,00	55,29	7,00	A	1180	S	32
40,00	63,00	63,30	8,00	A	224063◆	N	32	41,00	55,45	55,70	9,00	A	*41X55.7X9	S	32
40,00	63,25	63,50	10,00	A	*40X63.5X10	S	32	41,00	56,00	56,25	7,00	A	41X56X7	S	35
40,00	63,75	64,00	10,00	A	*40X64X10	S	32	41,00	56,00	56,25	7,00	A	1181	S	35
40,00	63,75	64,00	12,00	A	*40X64X12	S	32	41,00	59,00	59,10	10,00	A	710114◆	N	98
40,00	64,00	64,00	11,98	A	1216&	N	74	41,00	61,00	61,20	10,00	A	710141◆	N	#
40,00	64,00	64,10	12,00	A	1216N&	N	74	41,00	62,00	62,20	8,00	A	*41X62X8	S	32
40,00	64,00	64,10	12,00	A	710326	S	66	41,00	62,00	62,23	9,00	A	710220◆	N	32
40,00	64,75	65,00	8,00	A	*40X65X8	S	32	41,00	63,00	63,20	9,00	A	710291◆	N	40
40,00	64,75	65,00	12,00	A	*40X65X12	S	32	41,00	63,75	64,00	10,00	A	*41X64X10	S	32
40,01	65,00	65,13	9,53	A	474161	S	47	41,00	68,00	68,20	13,00	A	710402	S	#
40,00	65,00	65,20	20,00	A	710134	S	#	41,70	54,75	55,00	7,00	A	*41.7X55X7	S	32
40,00	65,00	65,28	10,00	A	40X65X10	S	35	41,70	54,75	55,00	10,00	A	*41.7X55X10	S	32
40,00	65,00	65,28	10,00	A	224100	S	35	42,00	49,80	50,00	6,00	A	*42X50X6	S	32
40,00	66,00	66,30	8,00	A	224066◆	N	40	42,00	49,80	50,00	7,00	A	*42X50X7	S	32
40,00	67,75	68,00	7,00	A	*40X68X7	S	32	42,00	51,75	52,00	4,00	A	*42X52X4	S	32
40,00	67,75	68,00	10,00	A	*40X68X10	S	32	42,00	51,75	52,00	6,00	A	*42X52X6	S	32
40,00	68,00	68,10	9,00	A	224068	N	40	42,00	51,75	52,00	7,00	A	*42X52X7	S	32
40,00	68,00	68,25	12,00	A	40X68X12	S	35	42,00	53,75	54,00	7,00	A	*42X54X7	S	32
40,00	68,00	68,80	8,00	A	40X68X8	S	35	42,00	54,75	55,00	9,00	A	*42X55X9	S	32
40,00	69,75	70,00	10,00	A	*40X70X10	S	32	42,00	54,89	55,00	8,00	A	1214	S	47
40,00	69,75	70,00	12,00	A	*40X70X12	S	32	42,00	54,89	55,00	8,00	A	1214N	S	47
40,00	70,00	70,20	8,00	A	40X70X8	S	32	42,00	55,00	55,12	8,00	A	3051◆	H	33
40,00	71,75	72,00	10,00	A	*40X72X10	S	32	42,00	55,00	55,12	8,00	A	3051N◆	H	33
40,00	71,75	72,00	12,00	A	*40X72X12	S	32	42,00	55,00	55,20	7,00	A	42X55X7	S	32
40,00	72,00	72,35	7,00	A	40X72X7	S	35	42,00	55,00	55,20	7,50	A	224200	S	32
40,00	72,00	72,35	7,00	A	350572	V	35								
40,00	73,00	73,10	10,00	A	710284	N	#								

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Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW

◆ Hydrodynamic Lip Design-CCW

◆◆ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
42,00	55,00	55,20	8,00	A	*42X55X8V	V	35	42,00	66,00	66,28	10,00	A	224266	S	32
42,00	55,00	55,28	8,00	A	224210	S	35	42,00	67,00	67,13	7,16	A	4615V➡	V	83
42,00	55,00	55,28	8,00	A	42X55X8	S	35	42,00	67,00	67,20	10,00	A	710286↔➡	N	32
42,00	55,00	55,33	9,00	A	224205➡	N	32	42,00	68,00	68,20	8,00	A	42X68X8	S	32
								42,00	68,00	68,20	10,00	A	42X68X10	S	32
42,00	55,75	56,00	6,00	A	*42X56X6	S	32	42,00	69,75	70,00	8,00	A	*42X70X8	S	32
42,00	55,75	56,00	10,00	A	*42X56X10	S	32	42,00	69,75	70,00	12,00	A	*42X70X12	S	32
42,00	56,00	56,10	14,00	A	710221	N	#	42,00	70,00	70,20	10,00	A	42X70X10	S	32
42,00	56,00	56,13	7,00	A	42X56X7	S	32	42,00	72,00	72,20	8,00	A	42X72X8	S	32
42,00	56,00	56,13	7,00	A	*1944➡	H	32	42,00	72,00	72,20	10,00	A	*42X72X10V	V	35
42,00	56,00	56,16	7,00	A	473560N➡	N	47	42,00	72,00	72,27	10,00	A	42X72X10	S	32
42,00	56,00	56,21	6,00	A	710097	S	#	42,00	72,00	72,27	10,00	A	224270	S	35
42,00	56,00	56,20	7,00	A	*42X56X7V	V	35	42,00	72,00	72,28	10,00	A	710207	S	40
42,00	56,00	56,21	7,00	A	224220	S	49	42,00	74,00	74,30	10,00	A	*713120	S	#
42,00	56,00	56,20	7,00	A	710386➡	H	32	42,00	74,75	75,00	10,00	A	*42X75X10	S	32
42,00	56,00	56,28	7,00	A	494117	S	49	42,00	74,75	75,00	12,00	A	*42X75X12	S	32
42,00	56,00	56,30	7,00	A	*713050	V	32	42,00	75,00	75,20	8,00	A	*42X75X8	S	32
42,00	56,00	56,34	7,00	A	3774➡	H	35	42,00	75,75	76,00	12,00	A	*42X76X12	S	32
42,00	56,00	56,80	7,00	A	*713013	S	25	42,00	76,00	76,10	14,00	A	710245➡	N	#
42,00	56,30	56,44	8,00	A	710186	S	#	42,00	76,00	76,28	12,00	A	710195	S	40
42,00	56,50	56,70	8,00	A	710244	S	#	42,00	77,72	78,00	10,00	A	*42X78X10	S	32
42,00	57,15	57,35	10,00	A	*713014	S	48	42,00	78,00	78,20	8,00	A	*42X78X8	S	32
42,00	57,75	58,00	8,00	A	*42X58X8	S	32	42,00	80,00	80,20	8,00	A	42X80X8	S	32
42,00	57,75	58,00	10,00	A	*42X58X10	S	32	42,00	80,00	80,20	10,00	A	42X80X10	S	35
42,00	58,00	58,10	7,00	A	42X58X7	S	48	42,00	90,00	90,09	9,00	A	710133	N	#
42,00	58,00	58,10	10,00	A	*2000	S	33	42,00	90,00	90,28	12,00	A	710246	N	#
42,00	58,00	58,17	7,00	A	474241V➡	V	47	42,90	61,75	62,00	8,00	A	*42.9X62X8	S	32
42,00	58,00	58,18	7,00	A	224235	S	48	43,00	49,80	50,00	7,00	A	*43X50X7	S	32
42,00	58,00	58,28	8,00	A	224215↔	N	32	43,00	54,00	54,10	6,50	A	224400	S	25
42,00	59,00	59,10	7,00	A	710442➡	N	48	43,00	54,00	54,10	7,50	A	334111	S	33
42,00	59,75	60,00	8,00	A	*42X60X8	S	32	43,00	54,75	55,00	9,00	A	*43X55X9	S	32
42,00	59,75	60,00	9,00	A	*42X60X9	S	32	43,00	55,00	55,20	6,00	A	2012➡	V	32
42,00	59,75	60,00	10,00	A	*42X60X10	S	32	43,00	55,00	55,20	6,00	A	2012V➡	V	32
42,00	59,75	60,00	12,00	A	*42X60X12	S	32	43,00	55,00	55,20	8,00	A	710264➡	H	32
42,00	60,00	60,20	10,00	A	*42X60X10V	V	35	43,00	55,00	55,20	8,00	A	43X55X8	S	32
42,00	60,00	60,22	7,00	A	42X60X7	S	32	43,00	55,00	55,25	8,00	A	1183	S	34
42,00	60,00	60,22	7,00	A	*320563	V	32	43,00	57,00	57,20	8,00	A	*43X57X8	S	32
42,00	60,00	60,22	7,00	A	*323715	S	32	43,00	57,75	58,00	8,00	A	*43X58X8	S	32
42,00	60,00	60,22	7,04	A	1953	N	32	43,00	58,47	58,62	7,50	A	710159	S	#
42,00	60,00	60,42	7,00	A	2025	V	32	43,00	60,00	60,30	8,00	A	320583➡	S	32
42,00	61,75	62,00	7,00	A	*42X62X7	S	32	43,00	61,75	62,00	8,00	A	*43X62X8	S	32
42,00	61,75	62,00	10,00	A	*42X62X10	S	32	43,00	61,75	62,00	12,00	A	*43X62X12	S	32
42,00	61,75	62,00	12,00	A	*42X62X12	S	32	43,00	62,00	62,10	9,50	A	224320	S	47
42,00	62,00	62,30	8,00	A	*713119	N	47	43,00	62,00	62,10	9,50	A	*474137	S	47
42,00	62,00	62,10	12,00	A	710403	S	#	43,00	65,00	65,20	8,00	A	43X65X8	S	32
42,00	62,00	62,20	7,00	A	710301	S	97	43,00	65,04	65,14	9,50	A	710387	S	47
42,00	62,00	62,20	8,00	A	*42X62X8V	V	32	43,00	65,75	66,00	10,00	A	*43X66X10	S	32
42,00	62,00	62,20	8,00	A	710408	N	32	43,00	69,00	69,20	8,00	A	*43X69X8	S	32
42,00	62,00	62,27	8,00	A	224250	S	35	43,00	70,00	70,20	9,00	A	710142	S	#
42,00	62,00	62,27	8,00	A	42X62X8	S	35	43,00	73,00	73,20	8,00	A	*43X73X8	S	32
42,00	62,00	62,27	10,00	A	*1946	S	35	43,50	61,75	62,00	6,50	A	*43.5X62X6.5	S	32
42,00	62,00	62,27	10,00	A	224252	S	32	44,00	53,75	54,00	7,00	A	*44X54X7	S	32
42,00	62,75	63,00	7,00	A	*42X63X7	S	32	44,00	58,00	58,20	8,00	A	*44X58X8	S	32
42,00	63,00	63,20	9,00	A	710298➡	N	40	44,00	59,00	59,23	6,80	A	224450➡	N	35
42,00	63,00	63,30	7,00	A	*713051	N	48	44,00	59,75	60,00	9,00	A	*44X60X9	S	32
42,00	63,75	64,00	8,00	A	*42X64X8	S	32	44,00	60,00	60,20	7,00	A	44X60X7	S	32
42,00	64,00	64,18	6,00	A	224254	S	34	44,00	60,00	60,20	10,00	A	44X60X10	S	35
42,00	64,75	65,00	7,50	A	*42X65X7.5	S	32	44,00	60,00	60,28	10,00	A	224460➡	H	35
42,00	64,75	65,00	9,00	A	*42X65X9	S	32								
42,00	64,75	65,00	12,00	A	*42X65X12	S	32								
42,00	64,80	65,00	13,50	A	710179➡	S	32								
42,00	65,00	65,15	10,00	A	42X65X10	N	47								
42,00	65,00	65,15	10,00	A	224255	N	47								
42,00	65,00	65,20	10,00	A	*42X65X10V	V	35								
42,00	65,00	65,30	12,00	A	*713081	N	32								
42,00	65,05	65,15	9,50	A	*474135N	N	47								

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Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
44,00	61,75	62,00	7,00	A	*44X62X7	S	32	45,00	63,25	63,50	10,00	A	*45X63.5X10	S	32
44,00	61,75	62,00	10,00	A	*44X62X10	S	32	45,00	63,75	64,00	7,00	A	*45X64X7	S	32
								45,00	63,75	64,00	10,00	A	*45X64X10	S	32
44,00	62,00	62,26	8,00	A	44X62X8↔	S	32	45,00	64,00	64,11	11,86	A	1951&	S	87
44,00	62,00	62,26	8,00	A	224462↔	S	32	45,00	64,00	64,11	16,40	A	*3966	S	#
44,00	62,00	62,28	10,00	A	224464↔	N	32	45,00	64,00	64,26	13,00	A	1939	S	#
								45,00	64,00	64,25	19,00	A	1938	S	#
44,00	64,75	65,00	11,00	A	*44X65X11	S	32	45,00	64,00	64,30	12,00	A	*713121	S	47
44,00	65,00	65,20	11,00	A	224465↔	S	32	45,00	64,75	65,00	7,00	A	*45X65X7	S	32
44,00	65,00	65,28	10,00	A	44X65X10	S	35	45,00	64,75	65,00	9,00	A	*45X65X9	S	32
44,00	66,00	66,10	6,00	A	710223	S	#	45,00	64,75	65,00	10,00	A	*45X65X10	S	32
44,00	68,00	68,30	8,00	A	350609↔	N	35	45,00	64,75	65,00	12,00	A	*45X65X12	S	32
								45,00	65,00	65,10	5,00	A	1992	S	47
44,00	69,75	70,00	12,00	A	*44X70X12	S	32	45,00	65,00	65,10	5,00	A	*3985	S	#
44,00	70,00	70,20	8,00	A	44X70X8	S	32	45,00	65,00	65,20	8,00	A	*45X65X8V	V	35
44,00	72,00	72,11	10,00	A	44X72X10	S	35	45,00	65,00	65,28	8,00	A	45X65X8	S	35
44,00	72,00	72,11	10,00	A	224470	S	35	45,00	65,00	65,28	8,00	A	224550	S	35
44,00	80,00	80,12	8,00	A	710115↔	S	98	45,00	65,00	65,30	10,00	A	*713122	N	48
44,00	90,00	90,10	9,00	A	710283	N	#	45,00	65,00	65,30	10,00	A	*713153	V	32
44,00	92,00	92,28	12,50	A	710208	S	#								
44,50	61,75	62,00	10,00	A	*44.5X62X10	S	32	45,00	65,75	66,00	10,00	A	*45X66X10	S	32
45,00	53,75	54,00	4,50	A	*45X54X4.5	S	32	45,00	66,00	66,24	7,50	A	710160	S	#
45,00	54,75	55,00	5,00	A	*45X55X5	S	32	45,00	66,00	66,30	10,00	A	*713055	N	48
45,00	54,75	55,00	7,00	A	*45X55X7	S	32	45,00	67,00	67,20	8,00	A	710289↔	S	32
45,00	54,75	55,00	8,00	A	*45X55X8	S	32	45,00	67,75	68,00	8,00	A	*45X68X8	S	32
45,00	54,75	55,00	10,00	A	*45X55X10	S	32	45,00	67,75	68,00	9,00	A	*45X68X9	S	32
45,00	55,75	56,00	6,00	A	*45X56X6	S	32	45,00	67,75	68,00	10,00	A	*45X68X10	S	32
45,00	55,75	56,00	8,00	A	*45X56X8	S	32	45,00	67,75	68,00	12,00	A	*45X68X12	S	32
45,00	56,75	57,00	5,50	A	*45X57X5.5	S	32	45,00	68,00	68,20	10,00	A	*45X68X10V	V	35
45,00	56,75	57,00	9,00	A	*45X57X9	S	32	45,00	68,00	68,20	12,00	A	710345↔	S	32
45,00	57,75	58,00	8,00	A	*45X58X8	S	32	45,00	68,00	68,28	7,00	A	45X68X7	S	32
45,00	57,75	58,00	10,00	A	*45X58X10	S	32	45,00	68,00	68,28	7,00	A	224560	S	32
								45,00	68,00	68,28	7,00	A	320564	V	32
45,00	58,00	58,28	7,00	A	45X58X7	S	35	45,00	68,05	68,30	7,00	A	*45X68.3X7	S	32
45,00	58,00	58,30	7,00	A	224510	S	32	45,00	69,75	70,00	12,00	A	*45X70X12	S	32
								45,00	70,00	70,18	10,00	A	45X70X10	S	32
45,00	58,75	59,00	7,00	A	*45X59X7	S	32	45,00	71,75	72,00	8,00	A	*45X72X8	S	32
45,00	58,75	59,00	10,00	A	*45X59X10	S	32	45,00	72,00	72,20	8,00	A	*45X72X8V	V	32
								45,00	72,00	72,20	10,00	A	45X72X10	S	35
45,00	59,00	59,28	7,50	A	710193	S	32	45,00	72,00	72,20	12,00	A	710270	N	32
45,00	59,75	60,00	9,00	A	*45X60X9	S	32	45,00	72,00	72,25	10,00	A	45X72X95	S	32
45,00	59,75	60,00	12,00	A	*45X60X12	S	32	45,00	72,00	72,28	7,00	A	45X72X7	S	35
								45,00	72,00	72,28	12,00	A	45X72X12	S	35
45,00	60,00	60,20	7,00	A	45X60X7	S	35	45,00	72,00	72,28	12,00	A	224570	S	35
45,00	60,00	60,20	8,00	A	45X60X8	S	35	45,00	72,20	72,34	7,50	A	1943	S	44
45,00	60,00	60,20	8,00	A	*45X60X8V	V	35	45,00	72,20	72,34	7,50	A	*444118	S	44
45,00	60,00	60,25	10,00	A	45X60X10	S	35	45,00	74,25	74,50	12,00	A	*45X74.5X12	S	32
45,00	60,00	60,25	10,00	A	*1184	N	35	45,00	74,75	75,00	8,00	A	*45X75X8	S	32
45,00	60,00	60,25	10,00	A	224520	S	35	45,00	74,75	75,00	10,00	A	*45X75X10	S	32
45,00	60,00	60,25	10,80	A	2440↔	N	69	45,00	74,75	75,00	12,00	A	*45X75X12	S	32
45,00	61,00	61,16	9,00	A	*484236V	V	48	45,00	75,00	75,10	12,00	A	1979↔	N	47
								45,00	75,00	75,20	7,00	A	45X75X7	S	32
45,00	61,75	62,00	7,00	A	*45X62X7	S	32	45,00	75,00	75,20	10,00	A	*45X75X10V	V	32
45,00	61,75	62,00	9,00	A	*45X62X9	S	32	45,00	75,00	75,30	12,00	A	*713123	V	32
45,00	61,75	62,00	10,00	A	*45X62X10	S	32	45,00	77,72	78,00	12,00	A	*45X78X12	S	32
45,00	61,75	62,00	12,00	A	*45X62X12	S	32	45,00	78,00	78,10	11,00	A	710248↔	N	66
								45,00	79,72	80,00	12,00	A	*45X80X12	S	32
45,00	61,90	62,00	10,00	A	*323871	S	32	45,00	80,00	80,28	10,00	A	45X80X10	S	35
45,00	62,00	62,10	6,00	A	494122	S	49	45,00	81,72	82,00	12,00	A	*45X82X12	S	32
45,00	62,00	62,10	9,00	A	710321	S	47	45,00	82,00	82,20	8,00	A	*45X82X8	S	32
45,00	62,00	62,10	10,16	A	*1997	S	#	45,00	84,72	85,00	12,00	A	*45X85X12	S	32
45,00	62,00	62,15	8,00	A	710078	V	47								
45,00	62,00	62,20	8,00	A	*45X62X8V	V	35								
45,00	62,00	62,30	8,00	A	45X62X8	S	35								
45,00	62,00	62,30	8,00	A	1012	S	35								
45,00	62,00	62,30	8,00	A	1012N	S	32								
45,00	62,00	62,30	8,00	A	*713053	V	32								
45,00	62,00	62,30	8,00	A	*713054	V	32								
45,00	62,00	62,30	10,00	A	*1185	S	32								
45,00	62,00	62,30	10,00	A	*713052	V	48								
45,00	62,00	62,30	12,00	A	*2013	S	32								
45,00	62,00	66,00	10,00	A	*713056	N	48								
45,00	62,75	63,00	7,00	A	*45X63X7	S	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-CW

↔ Hydrodynamic Lip Design-CCW

↔↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D. * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
45,00	85,00	85,20	10,00	A	45X85X10	S	35	48,00	61,75	62,00	10,00	A	*48X62X10	S	32
45,00	85,00	85,25	13,00	A	45X85X13	S	45	48,00	61,75	62,00	12,00	A	*48X62X12	S	32
45,00	89,72	90,00	10,00	A	*45X90X10	S	32	48,00	62,00	62,10	8,00	A	48X62X8	S	35
45,00	98,00	98,10	10,50	A	710364	N	#	48,00	62,00	62,10	8,00	A	224820	S	32
45,00	99,72	100,00	10,00	A	*45X100X10	S	32	48,00	62,00	62,10	24,00	A	1956	S	#
46,00	53,75	54,00	9,00	A	*46X54X9	S	32	48,00	62,00	62,20	6,00	A	710322	S	34
46,00	57,75	58,00	7,00	A	*46X58X7	S	32	48,00	62,00	62,20	8,00	A	*48X62X8V	V	35
46,00	58,00	58,28	7,00	A	224650➡	N	32	48,00	62,00	62,20	8,00	A	*320832	S	32
46,00	58,85	59,10	12,00	A	*46X59.1X12	S	32	48,00	62,00	62,25	6,00	A	1188	S	34
46,00	59,00	59,20	8,00	A	*46X59X8	S	32	48,00	62,00	62,28	8,00	A	224810	N	32
46,00	59,75	60,00	7,00	A	*46X60X7	S	32	48,00	63,00	63,09	9,00	A	48X63X9	S	47
46,00	59,75	60,00	10,00	A	*46X60X10	S	32	48,00	63,00	63,09	9,00	A	1969	S	47
46,00	60,00	60,20	8,00	A	*46X60X8	S	32	48,00	64,00	64,20	14,00	A	710167	S	#
46,00	60,00	60,28	7,00	A	224660➡	H	32	48,00	64,75	65,00	7,00	A	*48X65X7	S	32
46,00	62,00	62,10	8,00	A	224662	S	35	48,00	64,75	65,00	9,00	A	*48X65X9	S	32
46,00	62,00	62,20	8,00	A	*46X62X8	S	32	48,00	64,75	65,00	12,00	A	*48X65X12	S	32
46,00	62,00	62,20	20,50	A	710394	S	#	48,00	65,00	65,10	7,00	A	*493759	S	49
46,00	63,00	63,40	7,70	A	224663➡	N	35	48,00	65,00	65,15	24,50	A	4528N◀	N	66
46,00	65,00	65,20	7,00	A	46X65X7	S	32	48,00	65,00	65,20	10,00	A	*48X65X10V	V	32
46,00	68,00	68,20	8,00	A	*46X68X8	S	32	48,00	65,00	65,20	10,00	A	224865	S	32
46,00	68,50	68,70	7,50	A	710161	S	#	48,00	65,00	65,30	8,00	A	1973	S	25
46,00	69,40	69,60	10,00	A	710128	S	#	48,00	65,00	65,30	10,00	A	48X65X10	S	32
46,00	69,40	69,60	11,00	A	710126	S	#	48,00	65,00	65,30	10,00	A	*713152	S	48
46,00	70,00	70,10	8,00	A	710238➡	S	32	48,00	65,00	65,30	10,00	A	716484	V	32
46,00	70,00	70,20	8,00	A	46X70X8	S	32	48,00	65,00	65,80	10,00	A	*713015	V	32
45,00	61,00	61,20	8,00	A	710260◀	S	32	48,01	65,07	65,20	12,70	A	*2820	S	#
46,00	72,00	72,20	8,00	A	*46X72X8	S	32	48,00	66,75	67,00	11,00	A	*48X67X11	S	32
46,00	73,00	73,20	8,00	A	*46X73X8	S	32	48,00	67,75	68,00	8,00	A	*48X68X8	S	32
46,00	94,50	94,70	8,00	A	710377	S	#	48,00	68,00	68,27	10,00	A	48X68X10	N	32
46,50	90,00	90,20	12,00	A	710397	N	#	48,00	68,00	68,27	10,00	A	224835	N	32
47,00	56,75	57,00	7,00	A	*47X57X7	S	32	48,00	68,00	68,30	11,00	A	224840➡	S	32
47,00	59,75	60,00	7,00	A	*47X60X7	S	32	48,01	68,58	68,68	14,78	A	9449◀	S	74
47,00	60,00	60,20	8,00	A	*47X60X8	S	32	48,00	69,75	70,00	7,00	A	*48X70X7	S	32
47,00	61,75	62,00	6,00	A	*47X62X6	S	32	48,00	69,75	70,00	10,00	A	*48X70X10	S	32
47,00	62,00	62,10	9,00	A	710320	S	48	48,00	69,75	70,00	12,00	A	*48X70X12	S	32
47,00	62,00	62,20	8,00	A	47X62X8	S	32	48,00	70,00	70,20	8,00	A	48X70X8	S	35
47,00	64,00	64,08	7,00	A	710191	S	25	48,00	70,00	70,20	9,00	A	710255	S	#
47,00	64,00	64,28	14,00	A	1937	S	#	48,00	70,00	70,20	12,00	A	710313➡	S	32
47,00	64,75	65,00	10,00	A	*47X65X10	S	32	48,00	70,00	70,25	9,00	A	712010➡	H	32
47,00	65,00	65,20	8,00	A	47X65X8	S	32	48,00	70,00	70,28	9,00	A	48X70X9	S	35
47,00	66,00	66,10	11,00	A	710215	S	66	48,00	70,00	70,28	10,00	A	1994	S	32
47,00	68,00	68,27	10,00	A	47X68X10	S	32	48,00	70,25	70,50	10,00	A	*48X70.5X10	S	32
47,00	68,00	68,27	10,00	A	1187	S	32	48,00	71,75	72,00	8,00	A	*48X72X8	S	32
47,00	69,00	69,14	10,10	A	3606◀➡	N	7S	48,00	71,75	72,00	9,00	A	*48X72X9	S	32
47,00	70,00	70,20	10,00	A	47X70X10	S	32	48,00	71,75	72,00	10,00	A	*48X72X10	S	32
47,00	72,00	72,23	8,00	A	224772	S	48	48,00	71,75	72,00	12,00	A	*48X72X12	S	32
47,00	72,20	72,40	6,00	A	710337	S	34	48,00	72,00	72,20	8,00	A	*48X72X8V	V	35
47,00	80,00	80,20	12,70	A	710150	S	#	48,00	72,00	72,28	10,00	A	224850	S	35
47,00	84,00	84,20	11,00	A	710143	S	#	48,00	72,00	72,31	7,00	A	48X72X7	S	32
47,60	68,00	68,30	14,00	A	712516➡	N	#	48,00	72,00	72,31	7,00	A	1208	S	32
48,00	57,75	58,00	4,00	A	*48X58X4	S	32	48,00	72,00	72,35	8,50	A	224872	S	32
48,00	58,00	58,20	8,00	A	*48X58X8	S	32	48,00	72,25	72,50	10,00	A	*48X72.5X10	S	32
48,00	58,75	59,00	6,00	A	*48X59X6	S	32	48,00	73,00	73,10	7,00	A	224870	S	47
48,00	59,75	60,00	8,00	A	*48X60X8	S	32	48,00	73,75	74,00	10,00	A	*48X74X10	S	32
48,00	59,75	60,00	10,00	A	*48X60X10	S	32	48,00	73,75	74,00	12,00	A	*48X74X12	S	32
48,00	60,00	60,20	9,00	A	710356➡	S	47	48,00	74,00	74,23	10,00	A	224874	S	32
48,00	61,75	62,00	7,00	A	*48X62X7	S	32	48,00	74,00	74,30	10,00	A	224815	N	40
48,00	61,75	62,00	9,00	A	*48X62X9	S	32	48,00	74,75	75,00	12,00	A	*48X75X12	S	32
								48,00	75,00	75,20	10,00	A	48X75X10	S	32
								48,00	78,00	78,20	8,00	A	*48X78X8	S	32
								48,00	79,72	80,00	10,00	A	*48X80X10	S	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

◀➡ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
48,00	80,00	80,20	8,00	A	48X80X8	S	32	50,00	68,00	68,28	8,00	A	1948	S	35
48,00	81,72	82,00	10,00	A	*48X82X10	S	32	50,00	68,00	68,28	8,00	A	*353676	S	35
48,00	82,00	82,20	8,00	A	*48X82X8	S	32	50,00	68,00	68,28	9,00	A	225020➡	V	32
48,00	84,72	85,00	10,00	A	*48X85X10	S	32	50,00	69,75	70,00	10,00	A	*50X70X10	S	32
48,00	85,00	85,20	8,00	A	*48X85X8	S	32	50,00	69,75	70,00	12,00	A	*50X70X12	S	32
48,00	88,00	88,20	8,00	A	*48X88X8	S	32	50,00	69,75	70,00	13,00	A	*50X70X13	S	32
48,00	89,72	90,00	13,00	A	*48X90X13	S	32	50,00	70,00	70,10	7,00	A	413818	S	41
48,00	90,00	90,20	10,00	A	48X90X10	S	35	50,00	70,00	70,10	9,00	A	*470824	S	47
48,00	108,50	108,70	13,00	A	710296	S	#	50,00	70,00	70,10	11,00	A	*481371H	H	48
49,00	61,75	62,00	6,00	A	*49X62X6	S	32	50,00	70,00	70,20	8,00	A	50X70X8	S	32
49,00	62,00	62,15	8,00	A	4904	S	66	50,00	70,00	70,20	9,00	A	50X70X9	S	32
49,00	64,00	64,28	12,50	A	1936	S	#	50,00	70,00	70,20	10,00	A	*50X70X10V	V	35
49,00	65,10	65,20	8,00	A	39877↔	T	WW	50,00	70,00	70,20	10,00	A	710173	N	#
49,00	70,00	70,10	12,50	A	710305&	S	#	50,00	70,00	70,20	14,00	A	710135	S	#
49,00	72,20	72,50	8,00	A	710148	S	97	50,00	70,00	70,23	9,00	A	1960	S	47
49,00	75,75	76,00	15,00	A	*49X76X15	S	32	50,00	70,00	70,30	9,50	A	*1189	S	32
49,00	79,00	79,10	17,50	A	224979➡	N	47	50,00	70,00	70,30	10,00	A	*713057	V	32
49,00	100,00	100,20	8,00	A	710374	S	#	50,00	71,75	72,00	7,00	A	*50X72X7	S	32
50,00	59,75	60,00	8,00	A	*50X60X8	S	32	50,00	71,75	72,00	9,00	A	*50X72X9	S	32
50,00	59,75	60,00	10,00	A	*50X60X10	S	32	50,00	71,75	72,00	10,00	A	*50X72X10	S	32
50,00	60,00	60,25	6,00	A	710192	S	32	50,00	71,75	72,00	12,00	A	*50X72X12	S	32
50,00	61,75	62,00	9,00	A	*50X62X9	S	32	50,00	72,00	72,20	8,00	A	*50X72X8V	V	32
50,00	61,75	62,00	10,00	A	*50X62X10	S	32	50,00	72,00	72,20	10,00	A	710398	S	#
50,00	62,00	62,08	6,00	A	*331356	S	33	50,00	72,00	72,28	8,00	A	225030	S	35
50,00	62,00	62,10	9,00	A	225008	S	47	50,00	72,00	72,28	8,00	A	50X72X8	S	35
50,00	62,00	62,28	7,00	A	50X62X7	S	35	50,00	72,00	72,35	10,00	A	225035	S	32
50,00	62,00	62,28	7,00	A	225005	S	32	50,00	72,00	72,35	12,00	A	225040➡	S	32
50,00	62,75	63,00	8,00	A	*50X63X8	S	32	50,00	72,75	73,00	9,00	A	*50X73X9	S	32
50,00	63,75	64,00	8,00	A	*50X64X8	S	32	50,00	74,00	74,20	9,00	A	710137	S	#
50,00	63,75	64,00	9,00	A	*50X64X9	S	32	50,00	74,75	75,00	10,00	A	*50X75X10	S	32
50,00	63,75	64,00	10,00	A	*50X64X10	S	32	50,00	75,00	75,10	9,00	A	710437	S	47
50,00	64,00	64,10	6,50	A	1971	S	47	50,00	75,00	75,20	7,00	A	50X75X7	S	32
50,00	64,10	64,19	6,50	A	710098	S	71	50,00	75,00	75,20	8,00	A	*50X75X8	S	32
50,00	64,75	65,00	9,00	A	*50X65X9	S	32	50,00	75,00	75,28	12,00	A	50X75X12	S	32
50,00	64,75	65,00	10,00	A	*50X65X10	S	32	50,00	75,75	76,00	12,00	A	*50X76X12	S	32
50,00	65,00	65,10	14,00	A	3743	S	66	50,00	77,50	77,70	9,00	A	1941	S	47
50,00	65,00	65,28	8,00	A	225010	S	47	50,00	77,72	78,00	12,00	A	*50X78X12	S	32
50,00	65,00	65,15	8,00	A	*470856	S	47	50,00	78,00	78,20	8,00	A	*50X78X8	S	32
50,00	65,00	65,20	8,00	A	*50X65X8V	V	32	50,00	79,72	80,00	10,00	A	*50X80X10	S	32
50,00	65,00	65,20	8,00	A	710354➡	N	32	50,00	79,72	80,00	12,00	A	*50X80X12	S	32
50,00	65,00	65,28	8,00	A	50X65X8	S	32	50,00	79,72	80,00	13,00	A	*50X80X13	S	32
50,00	65,00	65,33	8,50	A	1209	S	35	50,00	80,00	80,20	8,00	A	*50X80X8V	V	32
50,00	65,30	65,53	8,00	A	710226	S	32	50,00	80,00	80,28	8,00	A	225050	S	35
50,00	65,75	66,00	6,00	A	*50X66X6	S	32	50,00	80,00	80,28	8,00	A	50X80X8	S	35
50,00	66,00	66,22	8,00	A	*473810V	V	47	50,00	80,00	80,30	10,00	A	*713082	N	47
50,00	66,50	66,62	9,52	A	474134	S	47	50,00	80,00	80,30	16,00	A	710112↔	N	#
50,00	66,75	67,00	9,00	A	*50X67X9	S	32	50,00	80,72	81,00	12,00	A	*50X81X12	S	32
50,00	66,75	67,00	10,00	A	*50X67X10	S	32	50,00	81,00	81,30	13,00	A	*713124	N	47
50,00	67,00	67,20	9,00	A	710357	S	47	50,00	81,72	82,00	12,00	A	*50X82X12	S	32
50,00	67,00	67,27	11,00	A	1974	S	97	50,00	82,00	82,18	11,50	A	225082	S	#
50,00	67,75	68,00	7,00	A	*50X68X7	S	32	50,00	84,72	85,00	10,00	A	*50X85X10	S	32
50,00	67,75	68,00	9,00	A	*50X68X9	S	32	50,00	84,72	85,00	12,00	A	*50X85X12	S	32
50,00	67,75	68,00	10,00	A	*50X68X10	S	32	50,00	85,00	85,20	8,00	A	50X85X8	S	32
50,00	68,00	68,15	8,00	A	*483738V	V	48	50,00	86,00	86,30	13,00	A	710117	N	#
50,00	68,00	68,20	8,00	A	*50X68X8V	V	32	50,00	88,00	88,20	8,00	A	*50X88X8	S	32
50,00	68,00	68,20	9,00	A	710420➡	S	32	50,00	89,72	90,00	13,00	A	*50X90X13	S	32
50,00	68,00	68,27	7,00	A	710194	S	32	50,00	90,00	90,20	8,00	A	50X90X8	S	32
50,00	68,00	68,28	8,00	A	50X68X8	S	35	50,00	90,00	90,20	10,00	A	*50X90X10V	V	35
								50,00	90,00	90,28	10,00	A	50X90X10	S	35

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-Bidirectional & Flanged O.D.

* Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
50,00	94,00	94,28	24,00	A	710071	S	#	52,00	72,00	72,28	8,00	A	710242➡	N	32
50,00	99,72	100,00	10,00	A	*50X100X10	S	32	52,00	74,75	75,00	10,00	A	*52X75X10	S	32
50,00	110,00	110,13	9,50	A	476512	S	47	52,00	75,00	75,11	7,50	A	225275	S	66
51,00	62,00	62,10	7,00	A	710407	S	33	52,00	75,00	75,28	12,00	A	52X75X12	S	35
51,00	63,00	63,12	6,00	A	494123	S	49	52,00	75,00	75,30	14,70	A	*713059	S	47
51,00	63,00	63,20	8,00	A	*51X63X8	S	32	52,00	77,00	78,00	9,00	A	710107%	S	#
51,00	63,00	63,20	8,50	A	710323	S	49	52,00	77,72	78,00	10,00	A	*52X78X10	S	32
51,00	64,75	65,00	13,00	A	*51X65X13	S	32	52,00	78,00	78,28	9,00	A	225278	N	35
51,00	65,00	65,10	7,00	A	51X65X7	S	47	52,00	79,72	80,00	13,00	A	*52X80X13	S	32
51,00	65,00	65,10	7,00	A	225110	S	47	52,00	80,00	80,28	10,00	A	52X80X10↔	S	32
51,00	65,00	65,10	7,00	A	*474096	S	47	52,00	82,00	82,20	8,00	A	52X82X8	S	32
51,00	66,00	66,20	6,50	A	710265	N	35	52,00	84,72	85,00	9,00	A	*52X85X9	S	32
51,00	66,25	66,50	10,00	A	*51X66.5X10	S	32	52,00	84,72	85,00	10,00	A	*52X85X10	S	32
51,00	70,00	70,28	11,00	A	8316➡	N	32	52,00	85,00	85,20	8,00	A	52X85X7	S	32
51,00	73,00	73,20	8,00	A	*51X73X8	S	32	52,00	85,00	85,20	8,00	A	*52X85X8	S	32
51,00	80,00	80,20	8,00	A	*51X80X8	S	32	52,00	89,72	90,00	10,00	A	*52X90X10	S	32
51,00	81,00	81,20	8,00	A	*51X81X8	S	32	53,00	67,95	68,20	7,00	A	*53X68.2X7	S	32
51,00	90,00	90,20	8,00	A	*51X90X8	S	32	53,00	68,00	68,28	10,00	A	53X68X10	S	32
51,00	92,00	92,20	8,00	A	*51X92X8	S	32	53,00	68,20	68,48	7,00	A	710175	S	32
52,00	61,75	62,00	7,00	A	*52X62X7	S	32	53,00	69,00	69,11	10,30	A	*205009	F	205
52,00	61,75	62,00	10,00	A	*52X62X10	S	32	53,00	71,75	72,00	10,00	A	*53X72X10	S	32
52,00	62,00	63,00	5,50	A	710253%	S	#	53,00	72,75	73,00	10,00	A	*53X73X10	S	32
52,00	62,75	63,00	8,00	A	*52X63X8	S	32	53,00	79,72	80,00	13,00	A	*53X80X13	S	32
52,00	63,00	63,23	8,00	A	1975	S	32	54,00	63,75	64,00	9,00	A	*54X64X9	S	32
52,00	63,75	64,00	9,00	A	*52X64X9	S	32	54,00	64,75	65,00	10,00	A	*54X65X10	S	32
52,00	64,75	65,00	8,00	A	*52X65X8	S	32	54,00	64,75	65,00	13,00	A	*54X65X13	S	32
52,00	64,75	65,00	10,00	A	*52X65X10	S	32	54,00	65,00	65,20	8,00	A	54X65X8	S	32
52,00	65,00	65,20	9,00	A	225208	S	32	54,00	65,00	65,28	12,50	A	2002	S	47
52,00	65,00	65,30	9,00	A	52X65X9	S	35	54,00	66,00	66,23	7,50	A	225410	S	#
52,00	65,00	65,30	9,00	A	1955	S	35	54,00	67,75	68,00	10,00	A	*54X68X10	S	32
52,00	66,00	66,12	7,50	A	4898	S	66	54,00	69,00	69,23	7,00	A	710239	N	40
52,00	66,00	66,23	9,00	A	225210	N	35	54,00	69,75	70,00	9,00	A	*54X70X9	S	32
52,00	67,00	67,30	7,00	A	1883%	S	#	54,00	72,00	72,25	10,00	A	54X72X10	S	32
52,00	67,75	68,00	7,00	A	*52X68X7	S	32	54,00	72,00	72,25	10,00	A	225420	S	32
52,00	67,75	68,00	10,00	A	*52X68X10	S	32	54,00	72,25	72,50	9,00	A	*54X72.5X9	S	32
52,00	68,00	68,10	6,50	A	710292	S	#	54,00	73,00	73,20	8,00	A	54X73X8	S	32
52,00	68,00	68,09	12,09	A	*710064	S	#	54,00	73,00	73,40	12,75	A	712125➡	T	FW-H
52,00	68,00	68,15	8,00	A	710190	V	48	54,00	73,75	74,00	10,00	A	*54X74X10	S	32
52,00	68,00	68,20	8,00	A	*52X68X8V	V	35	54,00	74,75	75,00	10,00	A	*54X75X10	S	32
52,00	68,00	68,20	13,00	A	710312	S	32	54,00	75,18	75,48	17,00	A	710073	S	#
52,00	68,00	68,28	7,00	A	4990	S	281	54,00	75,75	76,00	8,00	A	*54X76X8	S	32
52,00	68,00	68,28	8,00	A	225220	S	35	54,00	76,00	76,20	14,00	A	710438	S	#
52,00	68,00	68,28	8,00	A	52X68X8	S	35	54,00	79,72	80,00	10,00	A	*54X80X10	S	32
52,00	68,00	68,28	10,00	A	1884	S	32	54,00	80,72	81,00	10,00	A	*54X81X10	S	32
52,00	68,00	68,30	13,50	A	*713058	S	47	54,00	81,00	81,20	8,00	A	*54X81X8	S	32
52,00	68,00	68,43	10,00	A	*324186	S	32	54,00	81,72	82,00	11,00	A	*54X82X11	S	32
52,00	68,00	68,80	8,00	A	*713016	N	32	54,00	81,99	82,17	8,00	A	710203	S	66
52,00	69,00	69,28	10,00	A	52X69X10	S	35	54,00	82,00	82,30	10,00	A	225450	S	32
52,00	69,75	70,00	9,00	A	*52X70X9	S	32	54,00	82,00	82,35	10,00	A	54X82X10	S	32
52,00	69,75	70,00	13,00	A	*52X70X13	S	32	54,00	85,00	85,25	10,00	A	225460	S	32
52,00	70,00	70,20	8,00	A	52X70X8	S	32	54,00	85,00	85,28	10,00	A	54X85X10	S	32
52,00	70,00	70,27	8,50	A	710187➡	N	32	54,50	69,75	70,00	8,00	A	*54.5X70X8	S	32
52,00	70,00	70,27	7,50	A	225540%	S	#	55,00	55,00	80,30	10,00	A	*713126	N	48
52,00	70,00	70,27	8,00	A	225225	S	47								
52,00	71,75	72,00	9,00	A	*52X72X9	S	32								
52,00	71,75	72,00	10,00	A	*52X72X10	S	32								
52,00	71,75	72,00	12,00	A	*52X72X12	S	32								
52,00	72,00	72,20	8,00	A	52X72X8	S	35								
52,00	72,00	72,20	8,00	A	*52X72X8V	V	32								
52,00	72,00	72,28	8,00	A	225230	S	35								
52,00	72,00	72,28	8,00	A	*350858	S	35								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ↔ Hydrodynamic Lip Design-Bidirectional % External Bore

* Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL®

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
55,00	64,75	65,00	8,00	A	*55X65X8	S	32	55,00	100,00	100,30	12,70	A	55X100X13	S	45
55,00	64,75	65,00	10,00	A	*55X65X10	S	32								
55,00	67,75	68,00	10,00	A	*55X68X10	S	32	54,99	101,68	101,80	11,10	A	*477674V	V	47
55,00	68,00	68,20	8,00	A	710127	S	#	56,00	66,00	66,20	17,00	A	710382	S	#
55,00	68,00	68,28	8,00	A	55X68X8	S	32	56,00	67,00	67,20	6,00	A	710169	S	#
55,00	68,00	68,30	8,00	A	225500	S	32	56,00	68,00	68,12	10,00	A	56X68X10	N	48
								56,00	68,00	68,28	10,00	A	1932	S	49
54,99	68,53	68,91	4,11	A	*9471	S	#	56,00	69,75	70,00	9,00	A	*56X70X9	S	32
55,00	69,75	70,00	9,00	A	*55X70X9	S	32	56,00	70,00	70,20	8,00	A	56X70X8	S	35
55,00	69,75	70,00	10,00	A	*55X70X10	S	32	56,00	70,00	70,20	8,00	A	*56X70X8V	V	35
55,00	69,75	70,00	12,00	A	*55X70X12	S	32								
55,00	70,00	70,10	10,26	A	3723	S	66	56,00	71,75	72,00	8,00	A	*56X72X8	S	32
55,00	70,00	70,20	8,00	A	*55X70X8V	V	32	56,00	71,75	72,00	9,00	A	*56X72X9	S	32
55,00	70,00	70,20	8,00	A	710279	V	32								
55,00	70,00	70,20	8,00	A	*713064	V	32	56,00	72,00	72,20	7,00	A	56X72X7	S	32
55,00	70,00	70,27	8,00	A	55X70X8	S	35	56,00	72,00	72,20	8,00	A	710393	S	#
55,00	70,00	70,27	9,00	A	225505	S	32	56,00	72,00	72,27	12,50	A	225227	S	#
								56,00	72,00	72,29	11,50	A	225650↔	S	32
55,00	71,75	72,00	9,00	A	*55X72X9	S	32	56,00	72,00	72,40	11,50	A	56X72X11.5	S	35
55,00	71,75	72,00	10,00	A	*55X72X10	S	32								
55,00	71,75	72,00	12,00	A	*55X72X12	S	32	56,00	72,75	73,00	10,00	A	*56X73X10	S	32
55,00	72,00	72,20	8,00	A	*55X72X8V	V	32	56,00	73,00	73,23	7,50	A	225673	S	#
55,00	72,00	72,20	10,50	A	225535	S	32	56,00	73,00	73,28	12,50	A	1993	S	47
55,00	72,00	72,20	12,00	A	*713065	N	48	56,00	74,00	74,14	8,50	A	710176	S	87
55,00	72,00	72,25	8,00	A	225530	S	35	56,00	74,00	74,20	8,00	A	710125	S	#
55,00	72,00	72,25	8,00	A	55X72X8	S	35	56,00	75,00	75,13	6,50	A	4899	S	66
								56,00	75,00	75,20	7,00	A	56X75X7	S	32
55,00	72,75	73,00	10,00	A	*55X73X10	S	32	56,00	75,00	75,33	8,00	A	225775	S	#
55,00	74,00	74,10	9,20	A	1207N	S	49	56,00	75,75	76,00	8,00	A	*56X76X8	S	32
55,00	74,00	74,28	9,20	A	1207	S	49								
								56,00	76,00	76,12	12,30	A	710108	S	66
55,00	74,75	75,00	9,00	A	*55X75X9	S	32	56,00	76,00	76,15	11,50	A	*4905	S	72
55,00	74,75	75,00	12,00	A	*55X75X12	S	32	56,00	76,00	76,15	11,50	A	710146	S	72
								56,00	78,00	78,20	8,00	A	*56X78X8	S	32
55,00	75,00	75,20	7,00	A	55X100X7	S	32	56,00	78,00	78,28	7,50	A	225678	S	#
55,00	75,00	75,20	8,00	A	55X75X8	S	35								
55,00	75,00	75,20	10,00	A	*55X75X10V	V	35	56,00	79,72	80,00	10,00	A	*56X80X10	S	32
55,00	75,00	75,35	10,00	A	55X75X10	S	35	56,00	79,72	80,00	13,00	A	*56X80X13	S	32
55,00	75,00	75,35	10,00	A	225545	S	35								
								56,00	80,00	80,28	8,00	A	56X80X8	S	32
55,00	75,75	76,00	12,00	A	*55X76X12	S	32	56,00	82,00	82,20	8,00	A	56X82X8	S	32
55,00	76,00	76,20	10,00	A	*713125	S	47	56,00	84,72	85,00	10,00	A	*56X85X10	S	32
55,00	77,72	78,00	9,00	A	*55X78X9	S	32	56,00	85,00	85,28	8,00	A	56X85X8	S	35
55,00	77,72	78,00	12,00	A	*55X78X12	S	32	56,00	88,00	88,20	8,00	A	56X88X8	S	32
								56,00	90,00	90,20	8,00	A	56X90X8	S	32
55,00	78,00	78,28	10,00	A	55X78X10	S	35	56,00	122,00	122,25	8,00	A	710086	S	#
55,00	79,72	80,00	10,00	A	*55X80X10	S	32	57,00	57,12	82,55	7,47	A	*7068%	S	200E
55,00	79,72	80,00	12,00	A	*55X80X12	S	32								
								57,00	66,75	67,00	6,00	A	*57X67X6	S	32
55,00	80,00	80,20	8,00	A	*55X80X8V	V	35								
55,00	80,00	80,28	8,00	A	55X80X8	S	35	57,00	67,00	67,11	6,00	A	1984	S	25
55,00	80,00	80,30	10,00	A	*713127	S	47	57,00	67,00	67,11	6,00	A	*253752	S	25
								57,00	72,00	72,25	8,40	A	1964	S	47
55,00	81,72	82,00	9,00	A	*55X82X9	S	32								
								57,00	74,75	75,00	12,00	A	*57X75X12	S	32
55,00	82,00	82,30	12,00	A	55X82X12	S	35								
55,00	82,00	82,30	10,00	A	1958	S	35	57,00	77,00	77,20	8,00	A	710129	S	#
								57,00	79,00	79,28	13,50	A	710072	S	#
55,00	84,72	85,00	12,00	A	*55X85X12	S	32	57,00	79,00	79,28	14,98	A	710074	S	#
55,00	84,72	85,00	14,00	A	*55X85X14	S	32								
								57,00	79,72	80,00	12,00	A	*57X80X12	S	32
55,00	85,00	85,20	8,00	A	55X85X8	S	32								
55,00	85,00	85,31	10,00	A	55X85X10	S	35	57,00	80,00	80,10	8,00	A	710225	S	#
55,00	88,00	88,20	8,00	A	55X88X8↔	S	32	57,00	81,00	81,10	9,00	A	1928	S	47
55,00	88,00	88,20	8,00	A	*55X88X10	S	32	57,00	81,00	81,20	8,00	A	*57X81X8	S	32
55,00	89,72	90,00	8,00	A	*55X90X8	S	32	57,00	82,22	82,50	10,00	A	*57X82.5X10	S	32
55,00	89,72	90,00	10,00	A	*55X90X10	S	32	57,00	84,72	85,00	10,00	A	*57X85X10	S	32
								57,00	84,72	85,00	12,00	A	*57X85X12	S	32
55,00	90,00	90,28	13,00	A	55X90X13	S	35	57,00	84,72	85,00	15,00	A	*57X85X15	S	32
55,00	95,00	95,20	8,00	A	*55X95X8	S	32								
								57,00	85,00	85,20	13,00	A	57X85X13	S	32
55,00	99,72	100,00	10,00	A	*55X100X10	S	32	57,00	92,00	92,20	8,00	A	*57X92X8	S	32
55,00	99,72	100,00	12,00	A	*55X100X12	S	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ↔ Hydrodynamic Lip Design-Bidirectional % External Bore

* Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
58,00	67,75	68,00	9,00	A	*58X68X9	S	32	60,00	74,75	75,00	12,00	A	*60X75X12	S	32
58,00	69,75	70,00	7,00	A	*58X70X7	S	32								
58,00	69,75	70,00	11,00	A	*58X70X11	S	32	60,00	75,00	75,20	8,00	A	*60X75X8V	V	32
58,00	71,75	72,00	9,00	A	*58X72X9	S	32	60,00	75,00	75,28	8,00	A	60X75X8	S	35
58,00	71,75	72,00	10,00	A	*58X72X10	S	32	60,00	75,00	75,33	9,00	A	226015◀	N	32
								60,00	75,00	75,50	10,00	A	712113▶	T	FW-H
58,00	72,00	72,18	8,00	A	225872	S	33	60,00	75,00	86,00	11,80	A	710093	S	#
58,00	72,00	72,20	8,00	A	*58X72X8V	V	35								
58,00	72,00	72,28	8,00	A	58X72X8	S	35	60,00	75,75	76,00	9,00	A	*60X76X9	S	32
58,00	73,00	73,10	8,50	A	710439	S	#	60,00	76,72	77,00	12,00	A	*60X77X12	S	32
								60,00	77,72	78,00	9,00	A	*60X78X9	S	32
58,00	73,75	74,00	10,00	A	*58X74X10	S	32	60,00	77,72	78,00	10,00	A	*60X78X10	S	32
58,00	74,00	74,12	13,00	A	225874	N	101	60,00	78,00	78,20	8,00	A	*60X78X8	S	32
58,00	74,00	74,20	10,00	A	710271◀	S	32	60,00	78,00	78,28	8,00	A	226018	N	35
58,00	74,75	75,00	9,00	A	*58X75X9	S	32	60,00	79,22	79,50	10,00	A	*60X79.5X10	S	32
58,00	74,75	75,00	10,00	A	*58X75X10	S	32	60,00	79,72	80,00	9,00	A	*60X80X9	S	32
58,00	74,75	75,00	12,00	A	*58X75X12	S	32	60,00	79,72	80,00	10,00	A	*60X80X10	S	32
								60,00	79,72	80,00	12,00	A	*60X80X12	S	32
58,00	75,00	75,10	9,00	A	710400	S	47	60,00	79,72	80,00	13,00	A	*60X80X13	S	32
58,00	75,00	75,20	7,00	A	710136	S	#								
58,00	75,00	75,28	11,00	A	58X75X11	S	35	60,00	80,00	80,20	8,00	A	60X80X8	S	35
58,00	75,00	75,28	11,00	A	225875	S	32	60,00	80,00	80,20	8,00	A	*60X80X8V	V	32
58,00	76,00	76,10	6,50	A	710183	S	66	60,00	80,00	80,20	8,00	A	710333◀	S	32
58,00	76,00	76,23	7,80	A	710230	S	#	60,00	80,00	80,29	8,00	A	226020	S	35
58,00	77,00	77,28	8,50	A	225877	N	35								
								60,00	81,72	82,00	9,00	A	*60X82X9	S	32
58,00	77,72	78,00	9,00	A	*58X78X9	S	32								
58,00	77,72	78,00	12,00	A	*58X78X12	S	32	60,00	82,00	82,20	7,00	A	60X82X7	S	32
								60,00	82,00	82,20	10,00	A	710390▶	N	32
58,00	78,00	78,20	8,00	A	*58X78X8	S	32	60,00	82,00	82,20	12,00	A	710350▶	V	#
58,00	78,00	78,20	10,00	A	710144◀	S	#	60,00	82,00	82,20	12,00	A	712006◀	H	32
								60,00	82,00	82,28	12,00	A	2001◀	S	32
58,00	79,72	80,00	9,00	A	*58X80X9	S	32	60,00	82,00	82,30	12,00	A	60X82X12	S	35
58,00	79,72	80,00	10,00	A	*58X80X10	S	32								
58,00	79,72	80,00	12,00	A	*58X80X12	S	32	60,00	83,72	84,00	10,00	A	*60X84X10	S	32
58,00	79,72	80,00	13,00	A	*58X80X13	S	32	60,00	84,72	85,00	6,00	A	*60X85X6	S	32
								60,00	84,72	85,00	10,00	A	*60X85X10	S	32
58,00	80,00	80,20	8,00	A	*58X80X8V	V	35	60,00	84,72	85,00	13,00	A	*60X85X13	S	32
58,00	80,00	80,28	8,00	A	225880	S	35								
58,00	80,00	80,28	8,00	A	58X80X8	S	35	60,00	85,00	85,20	8,00	A	*60X85X8V	V	32
								60,00	85,00	85,20	12,00	A	60X85X12	S	32
57,99	80,14	80,24	9,53	A	493291	S	49	60,00	85,00	85,28	8,00	A	60X85X8	S	35
								60,00	85,50	85,70	7,00	A	*4599H▶	H	#
58,00	80,98	81,18	6,35	A	*341119	S	34								
								60,00	85,72	86,00	10,00	A	*60X86X10	S	32
58,00	81,72	82,00	12,00	A	*58X82X12	S	32								
58,00	82,00	82,20	8,00	A	*58X82X8	S	32	60,00	86,00	86,10	7,00	A	710182	S	66
								60,00	88,00	88,20	8,00	A	*60X88X8	S	32
58,00	84,72	85,00	8,00	A	*58X85X8	S	32								
58,00	84,72	85,00	12,00	A	*58X85X12	S	32	60,00	89,72	90,00	11,00	A	*60X90X11	S	32
								60,00	89,72	90,00	12,00	A	*60X90X12	S	32
58,00	85,00	85,25	13,00	A	58X85X13	S	32	60,00	89,72	90,00	13,00	A	*60X90X13	S	32
58,00	85,00	85,28	10,00	A	58X85X10	S	35								
58,00	88,00	88,20	8,00	A	58X88X8	S	32	60,00	90,00	90,25	8,00	A	60X90X8	S	32
58,00	90,00	90,28	10,00	A	58X90X10	S	35	60,00	90,00	90,25	22,00	A	1985	S	#
								60,00	90,00	90,27	10,00	A	60X90X10	S	35
58,00	91,72	92,00	8,00	A	*58X92X8	S	32	60,00	90,00	90,30	12,50	A	*713128	V	#
58,00	103,00	103,20	11,00	A	710268◀	N	40	60,00	94,72	95,00	10,00	A	*60X95X10	S	32
								60,00	94,72	95,00	12,00	A	*60X95X12	S	32
59,00	75,00	75,11	10,00	A	710168	S	47	60,00	94,72	95,00	13,00	A	*60X95X13	S	32
59,00	78,30	78,55	8,00	A	710229	S	40								
59,00	78,30	78,55	8,00	A	710231	S	32	60,00	95,00	95,20	8,00	A	60X95X8	S	32
59,00	100,00	100,28	10,00	A	710121	N	#								
								60,00	99,72	100,00	13,00	A	*60X100X13	S	32
60,00	69,75	70,00	10,00	A	*60X70X10	S	32								
60,00	69,75	70,00	12,00	A	*60X70X12	S	32	60,00	100,00	100,20	8,00	A	*60X100X8	S	32
60,00	71,75	72,00	9,00	A	*60X72X9	S	32	60,00	100,00	100,20	10,00	A	60X100X10◀▶	N	32
60,00	71,75	72,00	10,00	A	*60X72X10	S	32	60,00	103,00	103,10	12,00	A	710276◀▶	N	40
60,00	72,00	72,10	7,50	A	710379	S	47	60,00	103,72	104,00	12,00	A	*60X104X12	S	32
60,00	72,00	72,28	8,00	A	60X72X8	S	35								
								60,00	105,00	105,20	8,00	A	*60X105X8	S	32
60,00	73,75	74,00	10,00	A	*60X74X10	S	32								
								60,00	109,72	110,00	12,00	A	*60X110X12	S	32
60,00	74,00	74,10	10,00	A	226001◀	V	25								
								60,00	110,00	110,20	8,00	A	60X110X8	S	32
60,00	74,75	75,00	9,00	A	*60X75X9	S	32								
60,00	74,75	75,00	10,00	A	*60X75X10	S	32	60,50	77,72	78,00	10,00	A	*60.5X78X10	S	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

◀▶ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
61,00	76,00	76,28	7,00	A	226150	S	#	64,00	79,72	80,00	12,00	A	*64X80X12	S	32
61,00	88,00	88,00	7,00	A	710170	S	#	64,00	79,72	80,00	13,00	A	*64X80X13	S	32
62,00	74,00	74,10	7,00	A	710392	S	#	64,00	80,00	80,20	8,00	A	226480	H	33
62,00	74,75	75,00	10,00	A	*62X75X10	S	32	64,00	80,00	80,20	8,00	A	*713160	S	48
62,00	74,75	75,00	12,00	A	*62X75X12	S	32	64,00	80,00	80,20	8,00	A	*713161	S	47
62,00	77,72	78,00	10,00	A	*62X78X10	S	32	64,00	80,00	80,20	8,00	A	*713162	S	32
62,00	78,00	78,10	7,00	A	710213	S	281	64,00	80,00	80,28	8,00	A	64X80X8	S	32
62,00	78,00	78,20	8,00	A	*62X78X8	S	32	64,00	80,00	80,30	8,00	A	*713069	V	32
62,00	79,72	80,00	12,00	A	*62X80X12	S	32	64,00	84,72	85,00	10,00	A	*64X85X10	S	32
62,00	80,00	80,30	10,00	A	*713130	N	47	64,00	84,72	85,00	12,00	A	*64X85X12	S	32
62,00	80,00	80,20	9,00	A	62X80X9	S	32	64,00	90,00	90,28	13,00	A	*64X90X13	S	32
62,00	80,00	80,20	10,00	A	*62X80X10V	V	35	64,00	119,72	120,00	12,00	A	*64X120X12	S	32
62,00	80,00	80,28	10,00	A	62X80X10	S	35	64,00	132,00	132,10	13,00	A	710277	N	#
62,00	80,00	80,30	12,00	A	*713156	N	48	65,00	74,75	75,00	8,00	A	*65X75X8	S	32
62,00	80,00	80,80	12,00	A	*713017	V	32	65,00	74,75	75,00	10,00	A	*65X75X10	S	32
62,00	81,72	82,00	10,00	A	*62X82X10	S	32	65,00	74,75	75,00	12,00	A	*65X75X12	S	32
62,00	82,00	82,20	8,00	A	*62X82X8	S	32	65,00	77,72	78,00	12,00	A	*65X78X12	S	32
62,00	84,72	85,00	10,00	A	*62X85X10	S	32	65,00	79,72	80,00	10,00	A	*65X80X10	S	32
62,00	84,72	85,00	12,00	A	*62X85X12	S	32	65,00	79,72	80,00	12,00	A	*65X80X12	S	32
62,00	84,72	85,00	13,00	A	*62X85X13	S	32	65,00	80,00	80,20	8,00	A	*65X80X8V	V	32
62,00	85,00	85,30	10,00	A	*713131	N	47	65,00	80,00	80,28	8,00	A	65X80X8	S	32
62,00	85,00	85,13	8,00	A	62X85X8	S	41	65,00	81,00	81,28	7,00	A	226510	N	32
62,00	85,00	85,13	8,00	A	226285	S	41	65,00	81,72	82,00	9,00	A	*65X82X9	S	32
62,00	85,00	85,13	8,00	A	*414072	S	41	65,00	81,72	82,00	12,00	A	*65X82X12	S	32
62,00	88,00	88,20	8,00	A	62X88X8	S	32	65,00	82,00	82,09	8,00	A	710094	S	66
62,00	88,72	89,00	12,00	A	*62X89X12	S	32	65,00	82,00	82,20	8,00	A	*65X82X8	S	32
62,00	89,72	90,00	13,00	A	*62X90X13	S	32	65,00	84,00	84,30	9,00	A	712005	H	32
62,00	90,00	90,28	10,00	A	62X90X10	S	35	65,00	84,72	85,00	12,00	A	*65X85X12	S	32
62,00	92,00	92,20	8,00	A	62X92X8	S	32	65,00	84,72	85,00	13,00	A	*65X85X13	S	32
62,00	94,72	95,00	12,00	A	*62X95X12	S	32	65,00	85,00	85,30	13,00	A	*713132	V	32
62,00	99,72	100,00	10,00	A	*62X100X10	S	32	65,00	85,00	85,10	10,00	A	710373	S	47
62,00	99,72	100,00	12,00	A	*62X100X12	S	32	65,00	85,00	85,20	8,00	A	65X85X8	S	35
62,00	100,00	100,40	12,00	A	*713129	N	47	65,00	85,00	85,20	8,00	A	*65X85X8V	V	35
62,00	100,00	100,20	8,00	A	*62X100X8	S	32	65,00	85,00	85,27	10,00	A	226520	S	35
62,00	100,00	100,30	7,00	A	62X100X7	S	32	65,00	85,00	85,27	10,00	A	65X85X10	S	35
62,00	109,72	110,00	13,00	A	*62X110X13	S	32	65,00	87,72	88,00	12,00	A	*65X88X12	S	32
63,00	78,00	78,20	8,00	A	*63X78X8	S	32	65,00	87,72	88,00	13,00	A	*65X88X13	S	32
63,00	79,72	80,00	9,00	A	*63X80X9	S	32	65,00	88,00	88,20	8,00	A	65X88X8	S	35
63,00	80,00	80,20	8,00	A	*63X80X8	S	32	65,00	88,00	88,20	10,00	A	65X88X10	S	32
63,00	80,00	80,30	12,00	A	*713068	S	47	65,00	88,00	88,20	12,00	A	710367	S	40
63,00	82,00	82,20	8,00	A	*63X82X8	S	32	65,00	89,72	90,00	8,00	A	*65X90X8	S	32
63,00	82,22	82,50	10,00	A	*63X82.5X10	S	32	65,00	89,72	90,00	12,00	A	*65X90X12	S	32
62,99	84,07	84,23	12,70	A	6785	F	35	65,00	90,00	90,20	7,00	A	65X90X7	S	32
63,00	84,72	85,00	12,00	A	*63X85X12	S	32	65,00	90,00	90,20	10,00	A	*65X90X10V	V	32
63,00	85,00	85,28	10,00	A	63X85X10	S	32	65,00	90,00	90,20	13,00	A	65X90X13	S	35
63,00	87,72	88,00	12,00	A	*63X88X12	S	32	65,00	90,00	90,28	10,00	A	226530	S	35
63,00	88,00	88,20	8,00	A	*63X88X8	S	32	65,00	90,00	90,28	10,00	A	65X90X10	S	35
63,00	89,72	90,00	12,00	A	*63X90X12	S	32	65,00	94,72	95,00	10,00	A	*65X95X10	S	32
63,00	90,00	90,14	10,00	A	63X90X10	S	32	65,00	94,72	95,00	12,00	A	*65X95X12	S	32
63,00	90,00	90,10	7,00	A	1935	S	47	65,00	94,72	95,00	13,00	A	*65X95X13	S	32
63,00	99,72	100,00	10,00	A	*63X100X10	S	32	65,00	94,72	95,00	14,00	A	*65X95X14	S	32
63,00	99,72	100,00	13,00	A	*63X100X13	S	32	65,00	95,00	95,20	7,00	A	65X95X7	S	32
63,50	84,72	85,00	12,00	A	*63.5X85X12	S	32	65,00	95,00	95,20	8,00	A	*65X95X8	S	32
64,00	76,00	76,20	7,00	A	710256	S	#	65,00	99,72	100,00	9,50	A	*65X100X9.5	S	32
64,00	77,00	77,20	8,00	A	710130	S	#	65,00	99,72	100,00	12,00	A	*65X100X12	S	32
								65,00	99,72	100,00	13,00	A	*65X100X13	S	32
								65,00	100,00	100,20	10,00	A	*65X100X10V	V	35
								65,00	100,00	100,28	10,00	A	65X100X10	S	35
								65,00	100,00	100,30	7,00	A	65X100X7	S	32
								65,00	101,72	102,00	13,00	A	*65X102X13	S	32
								65,00	104,72	105,00	12,00	A	*65X105X12	S	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CW ◆ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
65,00	105,00	105,20	8,00	A	*65X105X8	S	32	70,00	88,00	88,20	8,00	A	*713071	V	32
65,00	109,72	110,00	10,00	A	*65X110X10	S	32	70,00	88,00	88,20	9,00	A	*70X88X9V	V	35
65,00	109,72	110,00	12,00	A	*65X110X12	S	32	70,00	88,00	88,25	8,00	A	70X88X8	S	48
65,00	109,72	110,00	13,00	A	*65X110X13	S	32	70,00	88,00	88,25	12,00	A	70X88X12	S	32
								70,00	88,00	88,25	12,00	A	227020	H	32
65,00	110,00	110,20	8,00	A	*65X110X8	S	32	70,00	89,72	90,00	8,00	A	*70X90X8	S	32
65,00	114,72	115,00	12,00	A	*65X115X12	S	32	70,00	89,72	90,00	12,00	A	*70X90X12	S	32
65,00	114,72	115,00	13,00	A	*65X115X13	S	32	70,00	89,72	90,00	13,00	A	*70X90X13	S	32
65,00	115,00	115,20	8,00	A	*65X115X8	S	32	70,00	90,00	90,10	10,00	A	*713164	N	48
65,00	119,72	120,00	13,00	A	*65X120X13	S	32	70,00	90,00	90,20	7,00	A	70X90X7	S	32
65,00	120,00	120,20	8,00	A	*65X120X8	S	32	70,00	90,00	90,20	10,00	A	*70X90X10V	V	32
65,00	139,70	140,00	14,00	A	*65X140X14	S	32	70,00	90,00	90,30	10,00	A	*713072	N	32
								70,00	90,00	90,30	13,50	A	*713073	S	47
66,00	80,00	80,11	9,00	A	226610	N	41	70,00	90,00	90,30	15,00	A	*713083	V	48
66,00	85,00	85,12	10,00	A	710092	S	41	70,00	90,00	90,32	10,00	A	70X90X10	S	35
67,00	81,72	82,00	7,00	A	*67X82X7	S	32	70,00	90,00	90,32	10,00	A	227040	H	35
68,00	82,00	82,20	7,00	A	68X82X7	S	35	70,00	90,00	90,40	10,00	A	*1162	S	35
68,00	82,00	82,20	7,00	A	710378	S	35	70,00	92,00	92,15	11,90	A	*477936H	H	47
68,00	84,00	84,23	8,50	A	710234	N	32	70,00	92,00	92,20	12,00	A	70X92X12	S	32
68,00	84,72	85,00	10,00	A	*68X85X10	S	32	70,00	92,00	92,23	12,00	A	227045	H	47
68,00	85,00	85,20	8,00	A	68X85X8	S	35	70,00	94,72	95,00	12,00	A	*70X95X12	S	32
68,00	86,00	86,20	8,00	A	710334	N	32	70,00	95,00	95,20	10,00	A	*70X95X10V	V	35
68,00	86,00	86,31	8,00	A	226820	H	32	70,00	95,00	95,28	10,00	A	70X95X10	S	35
68,00	88,00	88,20	8,00	A	*68X88X8	S	32	70,00	95,00	95,28	13,00	A	70X95X13	S	35
68,00	88,00	88,20	8,00	A	710446	S	35	70,00	99,72	100,00	12,00	A	*70X100X12	S	32
68,00	89,00	89,20	11,00	A	712511	V	32	70,00	99,72	100,00	14,00	A	*70X100X14	S	32
68,00	89,72	90,00	8,00	A	*68X90X8	S	32	70,00	100,00	100,20	10,00	A	70X100X10	S	32
68,00	89,72	90,00	12,00	A	*68X90X12	S	32	70,00	100,00	100,20	10,00	A	*70X100X10V	V	35
68,00	89,72	90,00	13,00	A	*68X90X13	S	32	70,00	100,00	100,28	13,00	A	70X100X13	S	35
68,00	90,00	90,10	12,00	A	710440	S	47	70,00	101,60	101,83	11,91	A	40392	T	FW-H
68,00	90,00	90,15	10,00	A	712108	T	FW-H	70,00	101,72	102,00	13,00	A	*70X102X13	S	32
68,00	90,00	90,20	7,00	A	68X90X7	S	32	70,00	104,72	105,00	12,00	A	*70X105X12	S	32
68,00	90,00	90,20	10,00	A	*68X90X10V	V	32	70,00	105,00	105,20	10,00	A	*70X105X10	S	32
68,00	90,00	90,32	10,00	A	68X90X10	S	35	70,00	105,00	105,20	13,00	A	70X105X13	S	35
68,00	94,72	95,00	13,00	A	*68X95X13	S	32	70,00	105,00	105,30	7,00	A	70X105X7	S	32
68,00	95,00	95,20	8,00	A	*68X95X8	S	32	70,00	109,72	110,00	12,00	A	*70X110X12	S	32
68,00	95,00	95,20	10,00	A	68X95X10	S	35	70,00	109,72	110,00	13,00	A	*70X110X13	S	32
68,00	95,00	95,30	13,00	A	226840	V	#	70,00	110,00	110,20	10,00	A	70X110X10	S	35
68,00	97,72	98,00	10,00	A	*68X98X10	S	32	70,00	111,72	112,00	13,00	A	*70X112X13	S	32
68,00	99,72	100,00	12,00	A	*68X100X12	S	32	70,00	112,00	112,10	14,00	A	710339	S	25
68,00	100,00	100,20	10,00	A	68X100X10	S	35	70,00	114,72	115,00	13,00	A	*70X115X13	S	32
68,00	100,00	100,28	13,00	A	68X100X13	S	35	70,00	114,72	115,00	15,00	A	*70X115X15	S	32
68,00	124,00	124,10	12,00	A	710275	N	40	70,00	119,72	120,00	13,00	A	*70X120X13	S	32
69,00	85,00	85,20	10,00	A	*713070	S	47	70,00	120,00	120,40	13,00	A	*713137	S	47
69,00	91,72	92,00	12,00	A	*69X92X12	S	32	71,00	87,72	88,00	8,00	A	*71X88X8	S	32
70,00	—	90,00	10,00	A	*713134	V	32	72,00	85,72	86,00	7,50	A	*72X86X7.5	S	32
70,00	—	90,00	12,00	A	*713135	N	32	72,00	88,00	88,25	8,00	A	1986	S	48
70,00	—	100,00	12,00	A	*713133	N	47	72,00	89,72	90,00	8,00	A	*72X90X8	S	32
70,00	79,72	80,00	10,00	A	*70X80X10	S	32	72,00	90,00	90,20	10,00	A	72X90X10	S	35
70,00	82,72	83,00	10,00	A	*70X83X10	S	32	72,00	91,72	92,00	12,00	A	*72X92X12	S	32
70,00	84,72	85,00	9,00	A	*70X85X9	S	32	72,00	93,72	94,00	12,00	A	*72X94X12	S	32
70,00	84,72	85,00	10,00	A	*70X85X10	S	32	72,00	94,72	95,00	12,00	A	*72X95X12	S	32
70,00	85,00	85,10	8,00	A	*713022	V	48	72,00	94,72	95,00	13,00	A	*72X95X13	S	32
70,00	85,00	85,28	8,00	A	70X85X8	S	35	72,00	95,00	95,28	10,00	A	72X95X10	S	35
70,00	86,72	87,00	10,00	A	*70X87X10	S	32	72,00	96,00	96,28	9,00	A	227235	H	32
70,00	87,00	87,40	8,50	A	1021	V	32	72,00	100,00	100,20	10,00	A	72X100X10	S	35
70,00	87,00	87,40	8,50	A	1021V	V	32	72,00	100,00	100,31	12,00	A	72X100X12	S	32
70,00	87,72	88,00	10,00	A	*70X88X10	S	32	72,00	104,72	105,00	13,00	A	*72X105X13	S	32
								72,00	105,00	105,20	10,00	A	*72X105X10	S	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

◀➡ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL®

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
72,00	110,00	110,20	10,00	A	*72X110X10	S	32	76,00	93,72	94,00	12,00	A	*76X94X12	S	32
73,00	86,00	86,28	5,00	A	239129	S	#	76,00	98,00	98,20	12,00	A	227610➡	H	32
74,00	88,00	88,30	8,00	A	*713074	V	32	76,00	102,00	102,20	9,50	A	710375	S	#
74,00	89,72	90,00	10,00	A	*74X90X10	S	32	76,00	104,72	105,00	12,00	A	*76X105X12	S	32
74,00	90,00	90,15	10,00	A	227409◀	H	32	76,00	104,72	105,00	13,00	A	*76X105X13	S	32
74,00	90,00	90,30	10,00	A	*713075	N	32	77,00	99,72	100,00	10,00	A	*77X100X10	S	32
74,00	90,00	90,30	10,00	A	*713076	V	32	77,00	100,10	100,30	11,00	A	*712138	N	35
74,00	93,72	94,00	10,00	A	*74X94X10	S	32	78,00	95,00	95,20	10,00	A	*78X95X10	S	32
74,00	94,72	95,00	7,00	A	*74X95X7	S	32	78,00	99,72	100,00	13,00	A	*78X100X13	S	32
74,00	98,00	98,20	12,00	A	227410➡	H	32	78,00	100,00	100,27	10,00	A	78X100X10	S	35
74,00	99,72	100,00	13,00	A	*74X100X13	S	32	78,00	100,00	100,30	10,00	A	*713138	V	32
75,00	83,00	87,00	4,00	A	710240%	S	#	78,00	105,00	105,20	10,00	A	78X105X10	S	32
75,00	89,72	90,00	12,00	A	*75X90X12	S	32	78,00	109,72	110,00	12,00	A	*78X110X12	S	32
75,00	90,00	90,20	8,00	A	75X90X8	S	32	78,00	109,72	110,00	13,00	A	*78X110X13	S	32
75,00	90,00	90,25	10,00	A	75X90X10	S	32	78,00	110,00	110,20	10,00	A	*78X110X10	S	32
75,00	91,72	92,00	12,00	A	*75X92X12	S	32	78,00	115,00	115,20	10,00	A	78X115X10	S	32
75,00	93,00	93,12	8,00	A	39804➡	T	FW-H	80,00	94,72	95,00	8,00	A	*80X95X8	S	32
75,00	94,72	95,00	8,00	A	*75X95X8	S	32	80,00	96,00	96,28	9,00	A	228005◀	V	32
75,00	94,72	95,00	12,00	A	*75X95X12	S	32	80,00	97,72	98,00	10,00	A	*80X98X10	S	32
75,00	94,72	95,00	13,00	A	*75X95X13	S	32	80,00	98,00	98,40	10,00	A	228008◀	V	32
75,00	95,00	95,20	10,00	A	*75X95X10V	V	32	80,00	99,72	100,00	8,00	A	*80X100X8	S	32
75,00	95,00	95,28	10,00	A	227530	S	35	80,00	99,72	100,00	12,00	A	*80X100X12	S	32
75,00	95,00	95,28	10,00	A	75X95X10	S	35	80,00	99,72	100,00	13,00	A	*80X100X13	S	32
75,00	95,00	95,27	10,00	A	716445	V	35	80,00	100,00	100,20	10,00	A	80X100X10	S	35
75,00	99,72	100,00	13,00	A	*75X100X13	S	32	80,00	100,00	100,20	10,00	A	*80X100X10V	V	32
75,00	100,00	100,10	13,00	A	710384	S	25	80,00	100,00	100,20	10,00	A	228015➡	H	32
75,00	100,00	100,20	10,00	A	75X100X10	S	32	80,00	100,00	100,20	10,00	A	228011◀	V	32
75,00	100,00	100,20	10,00	A	*75X100X10V	V	32	80,00	100,00	100,23	10,00	A	228009◀	H	32
75,00	100,00	100,20	12,00	A	227540	S	32	80,00	100,00	100,30	10,00	A	*713077	N	47
75,00	100,00	100,27	12,00	A	75X100X12	S	32	80,00	100,00	100,30	10,00	A	*713151	V	32
75,00	100,00	100,27	13,00	A	227550◀	H	32	80,00	100,00	100,35	13,00	A	228010◀	H	32
75,00	100,00	100,30	10,00	A	*713085	N	48	80,00	100,00	100,40	10,00	A	712111➡	T	FW-H
75,00	100,00	100,30	17,00	A	*713084	V	48	80,00	100,00	100,40	13,00	A	712115➡	T	FW-H
75,00	101,72	102,00	13,00	A	*75X102X13	S	32	80,00	100,00	100,40	13,00	A	712120➡	T	FW-H
75,00	104,72	105,00	15,00	A	*75X105X15	S	32	80,00	100,00	100,40	13,00	A	712123➡	T	FW-H
75,00	105,00	105,27	13,00	A	75X105X13	S	32	80,00	104,72	105,00	12,00	A	*80X105X12	S	32
75,00	105,00	105,40	12,00	A	*713136	N	48	80,00	105,00	105,20	10,00	A	80X105X10	S	32
75,00	105,72	106,00	10,00	A	*75X106X10	S	32	80,00	105,00	105,20	12,00	A	*80X105X12V	V	35
75,00	109,72	110,00	13,00	A	*75X110X13	S	32	80,00	105,00	105,27	13,00	A	80X105X13	S	48
75,00	110,00	110,20	10,00	A	*75X110X10	S	32	80,00	105,00	105,27	14,00	A	*80X105X14	S	32
75,00	110,00	110,20	12,00	A	75X110X12	S	32	80,00	105,00	105,27	14,00	A	228020	S	32
75,00	112,00	112,10	10,00	A	710376	S	#	80,00	109,72	110,00	13,00	A	*80X110X13	S	32
75,00	112,00	112,17	10,00	A	710087	S	45	80,00	110,00	110,20	10,00	A	*80X110X10V	V	32
75,00	114,72	115,00	9,50	A	*75X115X9.5	S	32	80,00	110,00	110,28	10,00	A	80X110X10	S	32
75,00	114,72	115,00	13,00	A	*75X115X13	S	32	80,00	110,00	110,28	12,00	A	228030	S	35
75,00	115,00	115,20	10,00	A	*75X115X10	S	32	80,00	110,00	110,28	12,00	A	80X110X12	S	35
75,00	115,00	115,30	12,00	A	75X115X12	S	35	80,00	110,00	110,30	13,00	A	*713139	N	47
75,00	119,72	120,00	12,00	A	*75X120X12	S	32	80,00	114,72	115,00	10,00	A	*80X115X10	S	32
75,00	120,00	120,12	8,13	A	200322	S	200	80,00	114,72	115,00	13,00	A	*80X115X13	S	32
75,00	120,00	120,20	10,00	A	75X120X10	S	32	80,00	115,00	115,20	12,00	A	*80X115X12	S	32
75,00	133,70	134,00	10,00	A	*75X134X10	S	32	80,00	120,00	120,20	10,00	A	80X120X10	S	32
76,00	91,72	92,00	10,00	A	*76X92X10	S	32	80,00	120,00	120,28	13,00	A	80X120X13	S	32
76,00	92,00	92,28	9,50	A	4307V◀	V	32	80,00	124,72	125,00	10,00	A	*80X125X10	S	32
76,00	92,00	92,28	9,60	A	327995◀	V	32	80,00	124,72	125,00	13,00	A	*80X125X13	S	32
76,00	93,00	93,30	10,00	A	1019◀	H	32	80,00	124,72	125,00	14,00	A	*80X125X14	S	32
								80,00	125,00	125,20	12,00	A	*80X125X12	S	32
								80,00	129,70	130,00	13,00	A	*80X130X13	S	32

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW % External Bore

* Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
80,00	130,00	130,20	12,00	A	*80X130X12	S	32	88,00	107,72	108,00	11,00	A	*88X108X11	S	32
80,00	135,00	135,20	12,00	A	*80X135X12	S	32	88,00	108,00	108,36	11,10	A	3772	H	35
80,00	140,00	140,20	12,00	A	*80X140X12	S	32	88,00	108,00	108,36	11,10	A	*100239T	T	FW-H
82,00	99,50	99,77	12,70	A	320691	V	32	88,00	110,00	110,28	12,00	A	88X110X12	S	35
82,00	105,00	105,25	13,00	A	82X105X13	S	25	88,00	115,00	115,20	12,00	A	*88X115X12	S	32
82,00	105,00	105,30	13,00	A	1945	H	32	88,00	120,00	120,20	12,00	A	*88X120X12	S	32
82,00	105,00	105,30	13,00	A	228480	H	#	89,00	105,00	105,20	10,00	A	710189	V	47
83,00	100,00	100,20	9,00	A	228250	H	32	89,00	109,00	109,20	9,00	A	229004	H	32
83,00	103,72	104,00	9,00	A	*83X104X9	S	32	90,00	99,72	100,00	7,00	A	*90X100X7	S	32
83,00	109,72	110,00	13,00	A	*83X110X13	S	32	90,00	99,72	100,00	12,00	A	*90X100X12	S	32
83,00	116,72	117,00	14,00	A	*83X117X14	S	32	90,00	104,00	104,10	11,00	A	710237	V	32
84,00	99,72	100,00	10,00	A	*84X100X10	S	32	90,00	104,72	105,00	12,00	A	*90X105X12	S	32
84,00	100,00	100,10	10,00	A	710294	S	47	90,00	104,72	105,00	13,00	A	*90X105X13	S	32
84,00	100,00	100,20	12,00	A	*84X100X12	S	32	90,00	108,00	108,23	10,00	A	710219	N	32
84,00	104,00	104,28	11,00	A	228410	V	32	90,00	109,72	110,00	10,00	A	*90X110X10	S	32
84,00	105,00	105,40	12,00	A	*713018	V	32	90,00	110,00	110,20	9,00	A	229006	H	32
84,00	118,00	118,10	7,00	A	710363	V	#	90,00	110,00	110,20	12,00	A	90X110X12	S	35
85,00	-	102,57	25,40	A	*100467	T	#	90,00	110,00	110,20	12,00	A	*90X110X12V	V	32
85,00	99,72	100,00	9,00	A	*85X100X9	S	32	90,00	110,00	110,20	12,00	A	*90X110X12V	V	32
85,00	99,72	100,00	10,00	A	*85X100X10	S	32	90,00	110,00	110,31	8,50	A	229010	H	32
85,00	99,72	100,00	12,00	A	*85X100X12	S	32	90,00	110,00	110,31	12,00	A	229005	V	32
85,00	104,72	105,00	12,00	A	*85X105X12	S	32	90,00	110,00	110,31	13,00	A	*90X110X13	S	35
85,00	105,00	105,28	10,00	A	85X105X10	S	32	90,00	110,00	110,40	12,00	A	712124	T	FW-H
85,00	105,00	105,28	10,00	A	716102	H	32	90,00	111,72	112,00	12,00	A	*90X112X12	S	32
85,00	105,00	105,28	13,00	A	85X105X13	S	32	90,00	112,42	112,70	13,00	A	*90X112.7X13	S	32
85,00	105,00	105,40	12,00	A	*713148	V	32	90,00	114,72	115,00	10,00	A	*90X115X10	S	32
85,00	109,72	110,00	13,00	A	*85X110X13	S	32	90,00	114,72	115,00	13,00	A	*90X115X13	S	32
85,00	110,00	110,20	10,00	A	85X110X10	S	35	90,00	115,00	115,14	17,12	A	*4789S	S	#
85,00	110,00	110,20	12,00	A	*85X110X12V	V	32	90,00	115,00	115,20	12,00	A	90X115X12	S	32
85,00	110,00	110,28	12,00	A	228520	S	35	90,00	117,72	118,00	12,00	A	*90X118X12	S	32
85,00	110,00	110,28	12,00	A	85X110X12	S	35	90,00	119,72	120,00	13,00	A	*90X120X13	S	32
85,00	110,00	110,40	12,00	A	*713140	V	45	90,00	120,00	120,20	12,00	A	*90X120X12V	V	35
85,00	110,00	110,40	13,00	A	*713141	N	48	90,00	120,00	120,28	12,00	A	90X120X12	S	32
85,00	110,72	111,00	10,00	A	*85X111X10	S	32	90,00	124,72	125,00	15,00	A	*90X125X15	S	32
85,00	113,00	113,20	10,50	A	710330	N	#	90,00	125,00	125,20	12,00	A	*90X125X12	S	32
85,00	114,22	114,50	12,00	A	*85X114.5X12	S	32	90,00	125,00	125,30	13,00	A	90X125X13	S	32
85,00	114,72	115,00	15,00	A	*85X115X15	S	32	90,00	125,00	125,70	7,00	A	90X125X7	S	32
85,00	115,00	115,00	13,00	A	85X115X13	S	35	90,00	129,70	130,00	10,00	A	*90X130X10	S	32
85,00	115,00	115,20	12,00	A	*85X115X12	S	32	90,00	129,70	130,00	13,00	A	*90X130X13	S	32
85,00	119,72	120,00	10,00	A	*85X120X10	S	32	90,00	130,00	130,20	12,00	A	*90X130X12	S	32
85,00	119,72	120,00	13,00	A	*85X120X13	S	32	90,00	130,00	130,40	13,00	A	*713142	V	48
85,00	119,72	120,00	15,00	A	*85X120X15	S	32	90,00	134,70	135,00	13,00	A	*90X135X13	S	32
85,00	120,00	120,28	12,00	A	85X120X12	S	32	90,00	135,00	135,20	12,00	A	*90X135X12	S	32
85,00	124,72	125,00	13,00	A	*85X125X13	S	32	90,00	140,00	140,20	12,00	A	*90X140X12	S	32
85,00	124,72	125,00	14,00	A	*85X125X14	S	32	90,00	145,00	145,20	14,00	A	90X145X14	S	32
85,00	125,00	125,20	12,00	A	85X125X12	S	32	90,00	157,86	158,00	14,27	A	39865	T	#
85,00	129,70	130,00	12,00	A	*85X130X12	S	32	90,00	159,70	160,00	10,00	A	*90X160X10	S	32
85,00	129,70	130,00	14,00	A	*85X130X14	S	32	91,00	110,00	110,26	8,50	A	229210	V	32
85,00	130,00	130,15	12,70	A	85X130X13	S	48	91,01	111,00	111,13	10,01	A	*100052T	T	FW-H
85,00	130,00	130,15	12,70	A	*476516	S	47	91,00	111,00	111,20	10,00	A	710056	V	47
85,00	139,70	140,00	12,00	A	*85X140X12	S	32	92,00	119,72	120,00	12,00	A	*92X120X12	S	32
86,00	99,72	100,00	10,00	A	*86X100X10	S	32	92,00	120,00	120,24	13,00	A	92X120X13	S	35
86,00	103,00	103,23	10,00	A	710235	V	32	93,00	114,00	114,20	14,00	A	710288	S	32
86,00	104,00	104,23	11,00	A	710232	V	32	93,00	154,00	154,10	8,00	A	710266	S	#
87,00	100,00	100,20	8,00	A	228700	H	32	95,00	104,72	105,00	13,00	A	*95X105X13	S	32
88,00	106,00	106,28	8,50	A	710188	V	32	95,00	109,72	110,00	11,00	A	*95X110X11	S	32
								95,00	109,72	110,00	12,00	A	*95X110X12	S	32

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Designed For A Specific Application - Not Recommended For General Use ➡ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

↔ Hydrodynamic Lip Design-Bidirectional * Call 1-800-480-1212 For Price and Delivery

Metric List Sizes & Type

NATIONAL[®]

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
95,00	110,00	110,20	10,00	A	95X110X10	S	32	100,00	130,00	130,20	12,00	A	*100X130X12V	V	32
95,00	110,00	110,26	11,00	A	717005	◀	S 32	100,00	130,00	130,28	12,00	A	100X130X12	S	35
95,00	113,00	113,10	10,00	A	710352	◀	V 47	100,00	130,00	130,40	12,00	A	*713089	N	48
95,00	114,99	115,32	12,50	A	*100203T	◀	T FW-H	100,00	130,00	130,40	13,50	A	*713090	N	45
95,00	115,00	115,20	13,00	A	*95X115X13V	V	S 32	100,00	130,00	130,40	13,50	A	*713091	S	41
95,00	115,00	115,25	10,00	A	717006	◀	S 45								
95,00	115,00	115,28	12,00	A	95X115X12	S	35	100,00	134,70	135,00	12,00	A	*100X135X12	S	32
95,00	115,00	115,28	13,00	A	*95X115X13	S	35	100,00	134,70	135,00	13,00	A	*100X135X13	S	32
95,00	115,00	115,32	12,12	A	*600305	◀	T #	100,00	134,70	135,00	14,00	A	*100X135X14	S	32
95,00	115,00	115,31	12,50	A	4359V	◀	V 32	100,00	135,00	135,20	10,00	A	710351	◀	H 32
95,00	115,00	115,40	13,50	A	*713143	N	45	100,00	135,00	135,20	15,00	A	710391	◀	H 94
95,00	118,00	118,16	8,50	A	710060	◀	H 32								
95,00	119,72	120,00	8,00	A	*95X120X8	S	32	100,00	139,70	140,00	12,00	A	*100X140X12	S	32
95,00	119,72	120,00	13,00	A	*95X120X13	S	32	100,00	139,70	140,00	13,00	A	*100X140X13	S	32
95,00	120,00	120,20	12,00	A	*95X120X12V	V	35	100,00	145,00	145,10	26,00	A	710278	N	#
95,00	120,00	120,28	12,00	A	95X120X12	S	35	100,00	149,70	150,00	10,00	A	*100X150X10	S	32
95,00	120,00	120,40	13,00	A	*713086	V	48	100,00	149,70	150,00	13,00	A	*100X150X13	S	32
95,00	124,72	125,00	13,00	A	*95X125X13	S	32	101,00	114,00	114,10	10,00	A	710371	S	25
95,00	125,00	125,28	12,00	A	95X125X12	S	35	102,00	125,00	125,20	12,00	A	*102X125X12	S	32
95,00	129,70	130,00	13,00	A	*95X130X13	S	32	102,00	130,00	130,28	13,00	A	102X130X13	S	35
95,00	130,00	130,28	12,00	A	95X130X12	S	35	105,00	120,00	120,20	11,00	A	231052	H	32
95,00	130,00	130,28	12,00	A	229520	S	35	105,00	124,72	125,00	12,00	A	*105X125X12	S	32
95,00	132,00	132,26	12,00	A	710085	S	#	105,00	125,00	125,28	13,00	A	105X125X13	S	32
95,00	134,70	135,00	13,00	A	*95X135X13	S	32	105,00	129,70	130,00	13,00	A	*105X130X13	S	32
95,00	172,00	172,09	28,00	A	39926	▶	T W-H	105,00	129,70	130,00	15,00	A	*105X130X15	S	32
95,25	120,37	120,65	12,70	A	*95.25X120.65X12	S	32	105,00	130,00	130,16	11,00	A	712107	▶	T FW-H
96,00	116,00	116,26	9,00	A	710262	◀	V 32	105,00	130,00	130,20	12,00	A	*105X130X12V	V	32
96,00	117,00	117,28	12,00	A	710205	◀	V 32	105,00	130,00	130,25	12,00	A	712004	◀	V 32
96,00	135,00	135,76	13,00	A	*713144	S	47	105,00	130,00	130,28	12,00	A	105X130X12	S	35
97,99	114,94	115,32	15,75	A	100085	◀	T #	105,00	134,70	135,00	13,00	A	*105X135X13	S	32
98,00	120,00	120,20	13,00	A	98X120X13	S	35	105,00	134,70	135,00	14,00	A	*105X135X14	S	32
100,00	113,72	114,00	10,00	A	*100X114X10	S	32	105,00	134,70	135,00	15,00	A	*105X135X15	S	32
100,00	114,00	114,10	12,00	A	710410	S	47	105,00	135,00	135,20	12,00	A	*105X135X12	S	32
100,00	114,72	115,00	9,00	A	*100X115X9	S	32	105,00	135,00	135,20	14,50	A	710349	◀	V #
100,00	114,72	115,00	10,00	A	*100X115X10	S	32	105,00	136,00	136,40	13,00	A	*713092	S	#
100,00	114,72	115,00	12,00	A	*100X115X12	S	32	105,00	139,70	140,00	13,00	A	*105X140X13	S	32
100,00	118,00	118,40	12,00	A	*713088	N	48	105,00	139,70	140,00	15,00	A	*105X140X15	S	32
100,00	118,00	188,40	12,00	A	*713024	V	32	105,00	140,00	140,28	12,00	A	105X140X12	S	35
100,00	119,72	120,00	11,00	A	*100X120X11	S	32	105,00	144,70	145,00	15,00	A	*105X145X15	S	32
100,00	119,72	120,00	13,00	A	*100X120X13	S	32	105,00	145,00	145,20	12,00	A	*105X145X12	S	32
100,00	120,00	120,20	12,00	A	*100X120X12V	V	32	105,00	160,00	160,20	15,00	A	*105X160X15	S	32
100,00	120,00	120,25	11,00	A	*712105	◀	T W	106,00	123,00	123,10	11,00	A	710295	S	47
100,00	120,00	120,12	11,00	A	231004	H	32	106,00	125,72	126,00	12,00	A	*106X126X12	S	32
100,00	120,00	120,28	12,00	A	231002	S	35	106,00	126,00	126,20	12,00	A	710366	◀	H 32
100,00	120,00	120,28	12,00	A	100X120X12	S	35	108,00	135,00	135,40	15,00	A	*713093	V	47
100,00	120,00	120,30	10,00	A	100X120X10	S	35	110,00	124,72	125,00	12,00	A	*110X125X12	S	32
100,00	123,85	123,98	12,70	A	417967	S	41	110,00	129,70	130,00	13,00	A	*110X130X13	S	32
100,00	123,85	123,98	12,70	A	*717003	S	41	110,00	130,00	130,10	13,00	A	*713094	S	47
100,00	123,85	123,98	15,88	A	455186	S	45	110,00	130,00	130,18	12,70	A	2261	◀	V 47
100,00	123,85	124,00	15,88	A	*415186	S	41	110,00	130,00	130,20	12,00	A	*110X130X12V	V	32
100,00	124,00	124,20	13,00	A	710290	◀	V 32	110,00	130,00	130,28	12,00	A	110X130X12	S	35
100,00	124,72	125,00	10,00	A	*100X125X10	S	32	110,00	130,00	130,40	13,00	A	712112	◀	T W
100,00	124,72	125,00	13,00	A	*100X125X13	S	32	110,00	135,00	135,20	12,00	A	*110X135X12	S	32
100,00	125,00	125,20	12,00	A	*100X125X12V	V	35	110,00	135,00	135,30	13,00	A	110X135X13	S	32
100,00	125,00	125,28	12,00	A	231003	S	35	110,00	135,00	135,30	13,00	A	*713078	V	47
100,00	125,00	125,28	12,00	A	100X125X12	S	35	110,00	139,70	140,00	14,00	A	*110X140X14	S	32
100,00	125,00	125,40	13,00	A	*713147	V	47	110,00	140,00	140,23	13,00	A	110X140X13	S	45
100,00	126,72	127,00	10,00	A	*100X127X10	S	32	110,00	140,00	140,28	12,00	A	110X140X12	S	32
100,00	129,70	130,00	10,00	A	*100X130X10	S	32								
100,00	129,70	130,00	13,00	A	*100X130X13	S	32								

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Designed For A Specific Application - Not Recommended For General Use ▶ Hydrodynamic Lip Design-CW ◀ Hydrodynamic Lip Design-CCW

* Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
110,00	140,00	140,28	12,00	A	*110X140X12V	V	32	120,00	149,70	150,00	13,00	A	*120X150X13	S	32
110,00	144,70	145,00	14,00	A	*110X145X14	S	32	120,00	149,70	150,00	14,00	A	*120X150X14	S	32
110,00	145,00	145,20	12,00	A	*110X145X12	S	32	120,00	149,70	150,00	15,00	A	*120X150X15	S	32
110,00	145,00	145,30	13,00	A	110X145X13	S	35	119,99	150,01	150,16	14,99	A	370220A	S	11
110,00	150,00	150,25	12,00	-	110X150X12	S	35	120,00	150,00	150,20	12,00	A	*120X150X12V	V	32
110,00	149,70	150,00	13,00	A	*110X150X13	S	32	120,00	150,00	150,28	12,00	A	*120X150X12	S	35
110,00	150,00	150,28	15,00	A	110X150X15	S	35	120,00	154,70	155,00	14,00	A	*120X155X14	S	32
110,00	155,00	155,20	15,00	A	*110X155X15	S	32	120,00	154,70	155,00	16,00	A	*120X155X16	S	32
110,00	159,70	160,00	12,00	A	*110X160X12	S	32	120,00	155,00	155,20	15,00	A	*120X155X15	S	32
110,00	160,00	160,20	15,00	A	*110X160X15	S	32	120,00	158,70	159,00	14,00	A	*120X159X14	S	32
110,00	166,70	167,00	17,00	A	*110X167X17	S	32	120,00	159,70	160,00	15,00	A	*120X160X15	S	32
110,00	169,70	170,00	12,00	A	*110X170X12	S	32	120,00	160,00	160,20	12,00	A	*120X160X12V	V	35
110,00	170,00	170,18	12,70	A	476518	S	47	120,00	160,00	160,28	12,00	A	120X160X12	S	35
112,00	135,00	135,20	15,00	A	*112X135X15	S	32	120,00	179,67	180,00	15,00	A	*120X180X15	S	32
112,00	140,00	140,32	13,00	A	112X140X13	S	35	122,00	139,70	140,00	13,00	A	*122X140X13	S	32
112,00	141,70	142,00	14,00	A	*112X142X14	S	32	124,00	146,00	146,10	14,00	A	710405	S	47
112,00	145,00	145,20	15,00	A	*112X145X15	S	32	124,00	158,70	159,00	14,00	A	*124X159X14	S	32
112,00	150,00	150,20	15,00	A	*112X150X15	S	32	124,00	169,70	170,00	14,50	A	*124X170X14.5	S	32
114,00	135,00	135,40	13,00	A	*713095	V	32	124,00	170,00	-	14,50	A	710381%	S	#
114,00	135,00	135,25	13,00	A	713163	S	47	125,00	140,00	140,18	7,00	A	*315286	S	31
114,00	140,00	140,28	13,00	A	114X140X13	S	35	125,00	144,70	145,00	13,00	A	*125X145X13	S	32
115,00	135,00	135,20	10,00	A	710258	V	32	125,00	146,20	146,50	13,00	A	*125X146.5X13	S	32
115,00	135,00	135,20	15,00	A	*115X135X15	S	32	125,00	149,70	150,00	13,00	A	*125X150X13	S	32
115,00	139,70	140,00	13,00	A	*115X140X13	S	32	125,00	149,70	150,00	14,00	A	*125X150X14	S	32
115,00	139,70	140,00	14,00	A	*115X140X14	S	32	125,00	149,70	150,00	15,00	A	*125X150X15	S	32
115,00	140,00	140,40	13,00	A	*713096	N	47	125,00	150,00	150,20	12,00	A	*125X150X12V	V	32
115,00	140,00	140,40	13,00	A	*713097	V	32	125,00	150,00	150,28	12,00	A	125X150X12	S	32
115,00	140,00	140,20	12,00	A	*115X140X12V	V	35	125,00	150,00	150,28	12,00	A	231250	S	35
115,00	140,00	140,28	12,00	A	115X140X12	S	35	125,00	150,00	150,40	15,00	A	*713023	V	32
115,00	144,70	145,00	16,00	A	*115X145X16	S	32	125,00	154,70	155,00	14,00	A	*125X155X14	S	32
115,00	145,00	145,20	14,00	A	115X145X14	S	32	125,00	155,00	155,20	12,00	A	125X155X12	S	32
115,00	145,00	145,20	15,00	A	*115X145X15	S	32	125,00	155,00	155,20	15,00	A	*125X155X15	S	32
115,00	145,00	145,30	13,00	A	115X145X13	S	35	125,00	159,70	160,00	15,00	A	*125X160X15	S	32
115,00	146,20	146,50	13,00	A	*115X146.5X13	S	32	125,00	160,00	160,28	12,00	A	125X160X12	S	35
115,00	149,70	150,00	15,00	A	*115X150X15	S	32	125,00	170,00	170,20	15,00	A	125X170X15	S	32
115,00	150,00	150,28	12,00	A	115X150X12	S	35	128,00	146,00	146,10	10,00	A	710411	S	47
115,00	155,00	155,20	15,00	A	*115X155X15	S	32	128,00	150,00	150,28	15,00	A	*128X150X15	S	35
115,00	156,00	156,10	28,00	A	710372	S	#	130,00	149,70	150,00	12,00	A	*130X150X12	S	32
115,00	158,70	159,00	14,00	A	*115X159X14	S	32	130,00	149,70	150,00	13,00	A	*130X150X13	S	32
115,00	160,00	160,20	15,00	A	*115X160X15	S	32	130,00	150,00	150,10	10,00	A	130X150X10	S	47
116,00	131,70	132,00	12,00	A	*116X132X12	S	32	130,00	150,00	150,10	10,00	A	710380	S	47
116,50	135,00	135,30	13,00	A	*355590V	V	35	130,00	150,00	150,20	15,00	A	*130X150X15	S	32
118,00	136,00	136,40	13,00	A	*713099	N	48	130,00	150,00	150,40	13,00	A	712114	T	FW-H
118,00	148,00	148,40	15,00	A	*713100	V	32	130,00	150,00	150,44	14,50	A	39806	T	FW-H
118,00	173,00	173,80	28,00	A	710089	S	#	130,00	150,00	150,44	14,80	A	39805	T	FW-H
120,00	139,70	140,00	12,00	A	*120X140X12	S	32	130,00	154,70	155,00	14,00	A	*130X155X14	S	32
120,00	139,70	140,00	15,00	A	*120X140X15	S	32	130,00	159,70	160,00	13,00	A	*130X160X13	S	32
120,00	140,00	140,21	10,50	A	710084	S	47	130,00	159,70	160,00	14,00	A	*130X160X14	S	32
120,00	140,00	140,20	13,00	A	712106	T	32	130,00	160,00	160,20	12,00	A	*130X160X12V	V	32
120,00	140,00	140,25	12,00	A	717004	S	48	130,00	160,00	160,20	15,00	A	130X160X15	S	32
120,00	140,00	140,28	13,00	A	120X140X13	S	35	130,00	160,00	160,28	12,00	A	130X160X12	S	35
120,00	140,00	140,30	13,00	A	712003	V	32	130,00	160,00	161,00	12,00	A	*713101	N	48
120,00	145,00	145,28	12,00	A	120X145X12	S	35	130,00	164,70	165,00	13,00	A	*130X165X13	S	32
120,00	145,00	145,28	12,00	A	231204	S	35	130,00	164,70	165,00	15,00	A	*130X165X15	S	32
120,00	145,70	146,00	13,00	A	*120X146X13	S	32	130,00	169,70	170,00	13,00	A	*130X170X13	S	32
120,00	146,20	146,50	13,00	A	*120X146.5X13	S	32	130,00	170,00	170,20	12,00	A	*130X170X12V	V	35
								130,00	170,00	170,28	15,00	A	130X170X15	S	35

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use

◆ Hydrodynamic Lip Design-Bidirectional % External Bore * Call 1-800-480-1212 For Price and Delivery

◆ Hydrodynamic Lip Design-CCW

Metric List Sizes & Type

NATIONAL®



Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
130,00	170,00	170,30	12,00	A	130X170X12	S	35	150,00	168,00	168,10	13,00	A	*713109	N	48
130,00	189,67	190,00	12,00	A	*130X190X12	S	32	150,00	169,70	170,00	15,00	A	*150X170X15	S	32
130,00	199,67	200,00	12,00	A	*130X200X12	S	32	150,00	174,70	175,00	10,00	A	*150X175X10	S	32
134,00	152,00	152,50	13,00	A	*713102	S	47	150,00	179,67	180,00	13,00	A	*150X180X13	S	32
134,00	152,00	152,50	13,50	A	*713104	N	32	150,00	179,67	180,00	14,00	A	*150X180X14	S	32
135,00	154,70	155,00	13,00	A	*135X155X13	S	32	150,00	180,00	180,20	15,00	A	*150X180X15V	V	32
135,00	159,70	160,00	15,00	A	*135X160X15	S	32	150,00	180,00	180,35	12,00	A	150X180X12	S	35
135,00	160,00	160,38	13,00	A	135X160X13	S	35	150,00	180,00	180,35	15,00	A	150X180X15	S	35
135,00	160,00	160,50	15,00	A	*713149	S	47	150,00	184,67	185,00	16,00	A	*150X185X16	S	32
135,00	162,00	162,50	13,00	A	*713105	S	47	150,00	189,67	190,00	15,00	A	*150X190X15	S	32
135,00	164,70	165,00	13,00	A	*135X165X13	S	32	150,00	199,67	200,00	13,00	A	*150X200X13	S	32
135,00	164,70	165,00	14,00	A	*135X165X14	S	32	150,00	209,67	210,00	15,00	A	*150X210X15	S	32
135,00	170,00	170,38	12,00	A	135X170X12	S	35	150,00	224,67	225,00	12,00	A	*150X225X12	S	32
138,00	152,00	152,10	12,00	A	138X152X12	S	47	154,00	171,70	172,00	14,00	A	*154X172X14	S	32
138,00	152,00	152,10	12,00	A	710368	S	47	154,00	172,00	172,20	15,00	A	*154X172X15	S	32
138,00	152,00	152,20	15,00	A	*138X152X15	S	32	155,00	171,70	172,00	14,00	A	*155X172X14	S	32
140,00	159,70	160,00	14,00	A	*140X160X14	S	32	155,00	173,70	174,00	12,00	A	*155X174X12	S	32
140,00	160,00	160,20	12,00	A	140X160X12	S	32	155,00	179,67	180,00	12,00	A	*155X180X12	S	32
140,00	160,00	160,27	13,00	A	140X160X13	S	35	155,00	179,67	180,00	13,00	A	*155X180X13	S	32
140,00	160,00	160,27	13,00	A	231402	S	35	155,00	180,00	180,23	15,00	A	155X180X15	S	32
140,00	164,70	165,00	13,00	A	*140X165X13	S	32	155,00	184,67	185,00	16,00	A	*155X185X16	S	32
140,00	165,00	165,10	15,00	A	*713106	V	47	156,00	180,00	180,20	15,00	A	712110	T	W
140,00	165,00	165,28	15,00	A	*140X165X15	S	32	156,00	180,00	180,40	15,00	A	712122	T	FW-H
140,00	165,00	165,40	15,00	A	*713079	V	32	160,00	179,67	180,00	10,00	A	*160X180X10	S	32
140,00	167,70	168,00	15,00	A	*140X168X15	S	32	160,00	179,67	180,00	13,00	A	*160X180X13	S	32
140,00	169,70	170,00	13,00	A	*140X170X13	S	32	160,00	181,67	182,00	18,00	A	*160X182X18	S	32
140,00	169,70	170,00	14,00	A	*140X170X14	S	32	160,00	184,67	185,00	13,00	A	*160X185X13	S	32
140,00	170,00	170,10	14,00	A	710406	S	47	160,00	185,00	185,10	13,00	A	*713110	S	47
140,00	170,00	170,20	12,00	A	*140X170X12V	V	32	160,00	185,00	185,20	10,00	A	*160X185X10V	V	35
140,00	170,00	170,28	15,00	A	231405	S	35	160,00	185,00	185,35	10,00	A	160X185X10	S	35
140,00	170,00	170,30	12,00	A	140X170X12	S	32	160,00	189,67	190,00	13,00	A	*160X190X13	S	32
140,00	170,00	170,43	15,00	A	140X170X15	S	35	160,00	190,00	190,20	15,00	A	*160X190X15V	V	32
140,00	174,70	175,00	15,00	A	*140X175X15	S	32	160,00	190,00	190,35	15,00	A	160X190X15	S	35
140,00	179,67	180,00	15,00	A	*140X180X15	S	32	160,00	190,00	190,40	13,00	A	712118	T	FW-H
140,00	180,00	180,30	12,00	A	140X180X12	S	35	160,00	199,67	200,00	14,00	A	*160X200X14	S	32
140,00	180,00	180,38	18,00	A	140X180X18	S	32	160,00	200,00	200,20	12,00	A	160X200X12	S	32
140,00	184,67	185,00	16,00	A	*140X185X16	S	32	160,00	200,00	200,20	15,00	A	160X200X15	S	32
142,00	156,70	157,00	10,00	A	*142X157X10	S	32	160,00	239,67	240,00	15,00	A	*160X240X15	S	32
144,00	160,00	160,25	12,00	A	144X160X12	S	35	162,00	200,00	200,20	15,00	A	*162X200X15	S	32
145,00	164,00	164,10	14,00	A	145X164X14	S	47	165,00	189,67	190,00	14,00	A	*165X190X14	S	32
145,00	164,00	164,10	14,00	A	710369	S	47	165,00	189,67	190,00	15,00	A	*165X190X15	S	32
145,00	164,00	164,20	15,00	A	*145X164X15	S	32	165,00	190,00	190,35	13,00	A	165X190X13	S	41
145,00	164,70	165,00	13,00	A	*145X165X13	S	32	165,00	194,67	195,00	15,00	A	*165X195X15	S	32
145,00	164,70	165,00	14,00	A	*145X165X14	S	32	165,00	199,67	200,00	14,00	A	*165X200X14	S	32
145,00	166,70	167,00	13,00	A	*145X167X13	S	32	170,00	189,67	190,00	10,00	A	*170X190X10	S	32
145,00	169,70	170,00	13,00	A	*145X170X13	S	32	170,00	189,67	190,00	14,00	A	*170X190X14	S	32
145,00	169,70	170,00	15,00	A	*145X170X15	S	32	170,00	200,00	200,35	15,00	A	170X200X15	S	35
145,00	170,00	170,45	12,00	A	145X170X12	S	35	170,00	210,00	210,20	15,00	A	170X210X15	S	32
145,00	170,00	170,50	13,00	A	*713107	S	47	175,00	200,00	200,35	15,00	A	175X200X15	S	32
145,00	170,00	170,50	15,00	A	*713108	S	47	175,00	209,67	210,00	15,00	A	*175X210X15	S	32
145,00	174,70	175,00	13,00	A	*145X175X13	S	32	175,00	229,67	230,00	20,00	A	*175X230X20	S	32
145,00	174,70	175,00	14,00	A	*145X175X14	S	32	180,00	199,67	200,00	14,00	A	*180X200X14	S	32
145,00	175,00	175,38	15,00	A	145X175X15	S	35	180,00	199,67	200,00	15,00	A	*180X200X15	S	32
145,00	180,00	180,28	12,00	A	145X180X12	S	35	180,00	200,00	200,40	12,00	A	*713111	V	32
145,00	180,00	180,40	15,00	A	*713145	S	47	180,00	200,00	200,40	15,00	A	*713112	S	47
148,00	170,00	170,28	15,00	A	148X170X15	S	35	180,00	200,00	200,40	17,00	A	*713113	V	#
150,00	167,70	168,00	13,00	A	*150X168X13	S	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use ◆ Hydrodynamic Lip Design-CCW * Call 1-800-480-1212 For Price and Delivery

Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type	Shaft Size	Hsg. Bore	Seal O.D.	Seal Width	Grp.	Part No.	Lip Mat'l	Illus./ Type
180,00	200,00	200,20	12,00	A	*713165	S	32	265,00	289,67	290,00	16,00	A	*265X290X16	S	32
180,00	210,00	210,35	15,00	A	180X210X15	S	35	270,00	310,00	310,45	16,00	A	*270X310X16	S	35
180,00	214,67	215,00	15,00	A	*180X215X15	S	32	280,00	320,00	320,45	20,00	A	280X320X20	S	32
180,00	219,67	220,00	15,00	A	*180X220X15	S	32	285,00	319,67	320,00	20,00	A	*285X320X20	S	32
180,00	219,67	220,00	16,00	A	*180X220X16	S	32	290,00	329,67	330,00	18,00	A	*290X330X18	S	32
185,00	209,67	210,00	15,00	A	*185X210X15	S	32	300,00	340,00	340,45	20,00	A	300X340X20	S	32
185,00	210,00	210,35	13,00	A	185X210X13	S	35	320,00	360,00	360,45	20,00	A	*320X360X20	S	32
185,00	215,00	215,22	16,00	A	*185X215X16	S	32	340,00	380,00	380,45	20,00	A	*340X380X20	S	32
190,00	209,67	210,00	10,00	A	*190X210X10	S	32	360,00	400,00	400,45	20,00	A	*360X400X20	S	32
190,00	209,67	210,00	15,00	A	*190X210X15	S	32	380,00	420,00	420,45	20,00	A	*380X420X20	S	32
190,00	220,00	220,35	15,00	A	*190X220X15	S	32	400,00	440,00	440,45	20,00	A	*400X440X20	S	32
190,00	220,00	220,35	16,00	A	*231905	S	35								
190,00	220,00	220,35	16,00	A	190X220X16	S	35								
190,00	224,67	225,00	12,00	A	*190X225X12	S	32								
190,00	224,67	225,00	16,00	A	*190X225X16	S	32								
190,00	225,00	225,20	16,00	A	*190X225X16V	V	32								
190,00	229,67	230,00	15,00	A	*190X230X15	S	32								
190,00	230,00	230,20	16,00	A	190X230X16	S	32								
195,00	229,67	230,00	16,00	A	*195X230X16	S	32								
195,00	229,67	230,00	20,00	A	*195X230X20	S	32								
200,00	229,67	230,00	13,00	A	*200X230X13	S	32								
200,00	230,00	230,20	15,00	A	*200X230X15V	V	32								
200,00	230,00	230,35	15,00	A	200X230X15	S	45								
200,00	234,67	235,00	15,00	A	*200X235X15	S	32								
200,00	239,67	240,00	15,00	A	*200X240X15	S	32								
200,00	239,67	240,00	20,00	A	*200X240X20	S	32								
200,00	249,67	250,00	16,00	A	*200X250X16	S	32								
200,00	249,67	250,00	20,00	A	*200X250X20	S	32								
205,00	224,67	225,00	18,00	A	*205X225X18	S	32								
205,00	234,67	235,00	18,00	A	*205X235X18	S	32								
210,00	240,00	240,35	15,00	A	210X240X15	S	35								
210,00	249,67	250,00	16,00	A	*210X250X16	S	32								
210,00	250,00	250,20	15,00	A	210X250X15	S	32								
210,00	269,67	270,00	16,00	A	*210X270X16	S	32								
220,00	250,00	250,20	15,00	A	*220X250X15V	V	35								
220,00	250,00	250,35	15,00	A	220X250X15	S	35								
220,00	254,67	255,00	16,00	A	*220X255X16	S	32								
220,00	259,67	260,00	14,00	A	*220X260X14	S	32								
220,00	259,67	260,00	16,00	A	*220X260X16	S	32								
220,00	260,00	260,20	15,00	A	*220X260X15	S	32								
222,00	244,67	245,00	13,00	A	*222X245X13	S	32								
230,00	260,00	260,35	15,00	A	230X260X15	S	35								
233,00	272,00	272,26	15,88	A	*3689	V	#								
240,00	270,00	270,35	15,00	A	240X270X15	S	35								
240,00	270,00	270,35	16,00	A	*240X270X16	S	35								
240,00	279,67	280,00	18,00	A	*240X280X18	S	32								
240,00	279,67	280,00	20,00	A	*240X280X20	S	32								
240,00	280,00	280,20	16,00	A	240X280X16	S	32								
250,00	280,00	280,35	15,00	A	*250X280X15	S	35								
250,00	289,67	290,00	15,00	A	*250X290X15	S	32								
260,00	289,67	290,00	15,00	A	*260X290X15	S	32								
260,00	300,00	300,45	20,00	A	*260X300X20	S	32								

For Illustration and Material Data See Technical Section

Designed For A Specific Application - Not Recommended For General Use * Call 1-800-480-1212 For Price and Delivery

O-Rings

NATIONAL[®]

Width	ID	OD	Packaged Part No.	Std. Unit Pack	Bulk Part No.	Std. Bulk Pack	Width	ID	OD	Packaged Part No.	Std. Unit Pack	Bulk Part No.	Std. Bulk Pack
1/32"	1/32"	3/32"	001PKG	5	001BULK	500	3/32"	7/8"	1 1/16"	118PKG	10	118BULK	250
3/64"	3/64"	9/64"	002PKG	10	002BULK	500	3/32"	15/16"	1 1/8"	119PKG	10	119BULK	250
1/16"	1/16"	3/16"	003PKG	5	003BULK	500	3/32"	1"	1 3/16"	120PKG	10	120BULK	250
1/16"	5/64"	13/16"	004PKG	5	004BULK	500	3/32"	1 1/16"	1 1/4"	121PKG	10	121BULK	250
1/16"	3/32"	7/32"	005PKG	5	005BULK	500	3/32"	1 1/8"	1 5/16"	122PKG	10	122BULK	250
1/16"	1/8"	1/4"	006PKG	20	006BULK	500	3/32"	1 3/16"	1 3/8"	123PKG	10	123BULK	250
1/16"	1/8"	1/4"	006V35*	10	NA	NA	3/32"	1 1/4"	1 7/16"	124PKG	10	124BULK	250
1/16"	5/32"	9/32"	007PKG	20	007BULK	500	3/32"	1 5/16"	1 1/2"	125PKG	10	125BULK	250
1/16"	5/32"	9/32"	007V35*	10	NA	NA	3/32"	1 5/8"	1 9/16"	126PKG	5	126BULK	250
1/16"	3/16"	5/16"	008PKG	20	008BULK	500	3/32"	1 7/16"	1 5/8"	127PKG	5	127BULK	250
1/16"	3/16"	5/16"	008V35*	10	NA	NA	3/32"	1 1/2"	1 11/16"	128PKG	5	128BULK	250
1/16"	7/32"	11/32"	009PKG	20	009BULK	500	3/32"	1 9/16"	1 3/4"	129PKG	5	129BULK	250
1/16"	7/32"	11/32"	009V35*	10	NA	NA	3/32"	1 5/8"	1 13/16"	130PKG	5	130BULK	100
1/16"	1/4"	3/8"	010PKG	20	010BULK	500	3/32"	1 11/16"	1 7/8"	131PKG	5	131BULK	100
1/16"	1/4"	3/8"	010V35*	10	NA	NA	3/32"	1 3/4"	1 15/16"	132PKG	5	132BULK	100
1/16"	5/16"	7/16"	011PKG	20	011BULK	500	3/32"	1 13/16"	2"	133PKG	5	133BULK	100
1/16"	5/16"	7/16"	011V35*	10	NA	NA	3/32"	1 7/8"	2 1/16"	134PKG	5	134BULK	100
1/16"	3/8"	1/2"	012PKG	20	012BULK	500	3/32"	1 15/16"	2 1/8"	135PKG	5	135BULK	100
1/16"	3/8"	1/2"	012V35*	10	NA	NA	3/32"	2"	2 3/16"	136PKG	5	136BULK	100
1/16"	7/16"	9/16"	013PKG	10	013BULK	250	3/32"	2 1/16"	2 1/4"	137PKG	5	137BULK	100
1/16"	1/2"	5/8"	014PKG	10	014BULK	250	3/32"	2 1/8"	2 5/16"	138PKG	5	138BULK	100
1/16"	9/16"	1 1/16"	015PKG	10	015BULK	250	3/32"	2 3/16"	2 3/8"	139PKG	5	139BULK	100
1/16"	5/8"	3/4"	016PKG	10	016BULK	250	3/32"	2 1/4"	2 7/16"	140PKG	5	140BULK	100
1/16"	1 1/16"	1 3/16"	017PKG	10	017BULK	250	3/32"	2 5/16"	2 1/2"	141PKG	5	141BULK	100
1/16"	3/4"	7/8"	018PKG	10	018BULK	250	3/32"	2 3/8"	2 9/16"	142PKG	5	142BULK	100
1/16"	13/16"	1 5/16"	019PKG	10	019BULK	250	3/32"	2 7/16"	2 5/8"	143PKG	5	143BULK	100
1/16"	7/8"	1"	020PKG	10	020BULK	250	3/32"	2 1/2"	2 11/16"	144PKG	5	144BULK	100
1/16"	1 5/16"	1 1/16"	021PKG	10	021BULK	250	3/32"	2 9/16"	2 3/4"	145PKG	5	145BULK	100
1/16"	1"	1 1/8"	022PKG	10	022BULK	250	3/32"	2 5/8"	2 13/16"	146PKG	5	146BULK	100
1/16"	1 1/16"	1 3/16"	023PKG	10	023BULK	250	3/32"	2 11/16"	2 7/8"	147PKG	5	147BULK	100
1/16"	1 1/8"	1 1/4"	024PKG	10	024BULK	250	3/32"	2 3/4"	2 5/16"	148PKG	5	148BULK	100
1/16"	1 3/16"	1 5/16"	025PKG	10	025BULK	250	3/32"	2 13/16"	3"	149PKG	5	149BULK	100
1/16"	1 1/4"	1 3/8"	026PKG	10	026BULK	250	3/32"	2 7/8"	3 1/16"	150PKG	5	150BULK	100
1/16"	1 5/16"	1 7/16"	027PKG	10	027BULK	250	3/32"	3"	3 3/16"	151PKG	5	151BULK	100
1/16"	1 3/8"	1 1/2"	028PKG	10	028BULK	250	3/32"	3 1/4"	3 7/16"	152PKG	5	152BULK	100
1/16"	1 1/2"	1 5/8"	029PKG	5	029BULK	100	3/32"	3 1/2"	3 11/16"	153PKG	5	153BULK	100
1/16"	1 5/8"	1 3/4"	030PKG	5	030BULK	100	3/32"	3 3/4"	3 15/16"	154PKG	5	154BULK	100
1/16"	1 3/4"	1 7/8"	031PKG	5	031BULK	100	3/32"	4"	4 3/16"	155PKG	5	155BULK	50
1/16"	1 7/8"	2"	032PKG	5	032BULK	100	3/32"	3/4"	1"	210PKG	10	210BULK	250
1/16"	2"	2 1/8"	033PKG	5	033BULK	100	1/8"	3/4"	1"	210V35*	5	NA	NA
1/16"	2 1/8"	2 1/4"	034PKG	5	034BULK	100	1/8"	13/16"	1 1/16"	211PKG	10	211BULK	250
1/16"	2 1/4"	2 3/8"	035PKG	5	035BULK	100	1/8"	13/16"	1 1/16"	211V35*	5	NA	NA
1/16"	2 3/8"	2 1/2"	036PKG	5	036BULK	100	1/8"	7/8"	1 1/8"	212PKG	10	212BULK	250
1/16"	2 1/2"	2 5/8"	037PKG	5	037BULK	100	1/8"	7/8"	1 1/8"	212V35*	5	NA	NA
1/16"	2 5/8"	2 3/4"	038PKG	5	038BULK	50	1/8"	1 5/16"	1 3/16"	213PKG	10	213BULK	250
1/16"	2 3/4"	2 7/8"	039PKG	5	039BULK	50	1/8"	1 5/16"	1 3/16"	213V35*	5	NA	NA
1/16"	2 7/8"	3"	040PKG	5	040BULK	50	1/8"	1"	1 1/4"	214PKG	10	214BULK	250
1/16"	3"	3 1/8"	041PKG	5	041BULK	50	1/8"	1"	1 1/4"	214V35*	5	NA	NA
1/16"	3 1/4"	3 3/8"	042PKG	5	042BULK	50	1/8"	1 1/16"	1 5/16"	215PKG	10	215BULK	250
1/16"	3 1/2"	3 5/8"	043PKG	5	043BULK	50	1/8"	1 1/16"	1 5/16"	215V35*	5	NA	NA
1/16"	3 3/4"	3 7/8"	044PKG	5	044BULK	50	1/8"	1 1/8"	1 3/8"	216PKG	10	216BULK	250
1/16"	4"	4 1/8"	045PKG	5	045BULK	50	1/8"	1 1/8"	1 3/8"	216V35*	2	NA	NA
3/32"	3/8"	9/16"	110PKG	20	110BULK	500	1/8"	1 3/16"	1 7/16"	217PKG	10	217BULK	250
3/32"	3/8"	9/16"	110V35*	10	NA	NA	1/8"	1 3/16"	1 7/16"	217V35*	2	NA	NA
3/32"	7/16"	5/8"	111PKG	20	111BULK	500	1/8"	1 1/4"	1 1/2"	218PKG	10	218BULK	250
3/32"	7/16"	5/8"	111V35*	10	NA	NA	1/8"	1 1/4"	1 1/2"	218V35*	2	NA	NA
3/32"	1/2"	1 1/16"	112PKG	20	112BULK	500	1/8"	1 5/16"	1 9/16"	219PKG	10	219BULK	250
3/32"	1/2"	1 1/16"	112V35*	10	NA	NA	1/8"	1 5/16"	1 9/16"	219V35*	2	NA	NA
3/32"	9/16"	3/4"	113PKG	10	113BULK	500	1/8"	1 3/8"	1 5/8"	220PKG	10	220BULK	250
3/32"	9/16"	3/4"	113V35*	10	NA	NA	1/8"	1 3/8"	1 5/8"	220V35*	2	NA	NA
3/32"	5/8"	1 3/16"	114PKG	10	114BULK	500	1/8"	1 7/16"	1 11/16"	221PKG	10	221BULK	250
3/32"	5/8"	1 3/16"	114V35*	10	NA	NA	1/8"	1 7/16"	1 11/16"	221V35*	2	NA	NA
3/32"	1 1/16"	7/8"	115PKG	10	115BULK	500	1/8"	1 1/2"	1 3/4"	222PKG	10	222BULK	250
3/32"	1 1/16"	7/8"	115V35*	5	NA	NA	1/8"	1 1/2"	1 3/4"	222V35*	2	NA	NA
3/32"	3/4"	1 5/16"	116PKG	10	116BULK	500	1/8"	1 5/8"	1 7/8"	223PKG	10	223BULK	250
3/32"	3/4"	1 5/16"	116V35*	5	NA	NA	1/8"	1 3/4"	2"	224PKG	10	224BULK	250
3/32"	1 3/16"	1"	117PKG	10	117BULK	250	1/8"	7/8"	2 1/8"	225PKG	10	225BULK	250

* Fluoroelastomer

Width	ID	OD	Packaged Part No.	Std. Unit Pack	Bulk Part No.	Std. Bulk Pack	Width	ID	OD	Packaged Part No.	Std. Unit Pack	Bulk Part No.	Std. Bulk Pack
1/8"	2"	2 1/4"	226PKG	10	226BULK	250	3/16"	3 1/2"	3 7/8"	341PKG	5	341BULK	50
1/8"	2 1/8"	2 3/8"	227PKG	10	227BULK	250	3/16"	3 5/8"	4	342PKG	5	342BULK	50
1/8"	2 1/4"	2 1/2"	228PKG	10	228BULK	250	3/16"	3 3/4"	4 1/8"	343PKG	5	343BULK	50
1/8"	2 3/8"	2 5/8"	229PKG	10	229BULK	250	3/16"	3 7/8"	4 1/4"	344PKG	5	344BULK	50
1/8"	2 1/2"	2 3/4"	230PKG	10	230BULK	250	3/16"	4	4 3/8"	345PKG	5	345BULK	50
1/8"	2 5/8"	2 7/8"	231PKG	10	231BULK	250	3/16"	4 1/8"	4 1/2"	346PKG	5	346BULK	50
1/8"	2 3/4"	3	232PKG	10	232BULK	250	3/16"	4 1/4"	4 5/8"	347PKG	5	347BULK	50
1/8"	2 7/8"	3 1/4"	234PKG	10	234BULK	250	3/16"	4 3/8"	4 3/4"	348PKG	2	348BULK	50
1/8"	3 1/8"	3 3/8"	235PKG	10	235BULK	250	3/16"	4 1/2"	4 7/8"	349PKG	2	349BULK	50
1/8"	3 1/4"	3 1/2"	236PKG	10	236BULK	100	3/16"	5 1/2"	5 7/8"	357PKG	2	357BULK	10
1/8"	3 3/8"	3 5/8"	237PKG	10	237BULK	100	1/4"	4 1/2"	5	425PKG	2	425BULK	25
1/8"	3 1/2"	3 3/4"	238PKG	10	238BULK	100	1/4"	4 3/8"	5 1/8"	426PKG	2	426BULK	25
1/8"	3 5/8"	3 7/8"	239PKG	10	239BULK	100	1/4"	4 3/4"	5 1/4"	427PKG	2	427BULK	25
1/8"	3 3/4"	4"	240PKG	10	240BULK	100	1/4"	4 7/8"	5 3/8"	428PKG	2	428BULK	25
1/8"	3 7/8"	4 1/8"	241PKG	10	241BULK	100	1/4"	5"	5 1/2"	429PKG	2	492BULK	25
1/8"	4	4 1/4"	242PKG	10	242BULK	100	1/4"	5 1/8"	5 5/8"	430PKG	2	430BULK	25
1/8"	4 1/8"	4 3/8"	243PKG	10	243BULK	100	1/4"	5 1/4"	5 3/4"	431PKG	2	431BULK	25
1/8"	4 1/4"	4 1/2"	244PKG	10	244BULK	100	1/4"	5 3/8"	5 7/8"	432PKG	2	432BULK	25
1/8"	4 3/8"	4 5/8"	245PKG	10	245BULK	100	1/4"	5 1/2"	6"	433PKG	2	433BULK	25
1/8"	4 1/2"	4 3/4"	246PKG	5	246BULK	100	1/4"	5 5/8"	6 1/8"	434PKG	2	434BULK	10
1/8"	4 5/8"	4 7/8"	247PKG	5	247BULK	100	1/4"	5 3/4"	6 1/4"	435PKG	2	435BULK	10
1/8"	4 3/4"	5	248PKG	5	248BULK	50	1/4"	5 7/8"	6 3/8"	436PKG	2	436BULK	10
1/8"	4 7/8"	5 1/8"	249PKG	5	249BULK	50	1/4"	6	6 1/2"	437PKG	2	437BULK	10
1/8"	5	5 1/4"	250PKG	5	250BULK	50	1/4"	6 1/4"	6 3/4"	438PKG	2	438BULK	10
1/8"	5 1/8"	5 3/8"	251PKG	5	251BULK	50	1/4"	6 1/2"	7	439PKG	2	439BULK	10
1/8"	5 1/4"	5 1/2"	252PKG	5	252BULK	50	1/4"	6 3/4"	7 1/4"	440PKG	2	440BULK	10
1/8"	5 3/8"	5 5/8"	253PKG	5	253BULK	50	1/4"	7	7 1/2"	441PKG	2	441BULK	10
1/8"	5 1/2"	5 3/4"	254PKG	5	254BULK	50	1/4"	7 1/4"	7 3/4"	442PKG	2	442BULK	10
1/8"	5 5/8"	5 7/8"	255PKG	5	255BULK	50	1/4"	7 1/2"	8"	443PKG	2	443BULK	10
1/8"	5 3/4"	6	256PKG	5	256BULK	50	1/4"	7 3/4"	8 1/4"	444PKG	2	444BULK	10
1/8"	5 7/8"	6 1/8"	257PKG	5	257BULK	10	1/4"	8	8 1/2"	445PKG	2	445BULK	10
1/8"	6	6 1/4"	258PKG	5	258BULK	10	1/4"	8 1/2"	9"	446PKG	2	446BULK	10
1/8"	6 1/4"	6 1/2"	259PKG	5	259BULK	10	1/4"	9"	9 1/2"	447PKG	2	447BULK	10
1/8"	6 1/2"	6 3/4"	260PKG	5	260BULK	10	1/4"	9 1/2"	10"	448PKG	2	448BULK	10
1/8"	6 3/4"	7	261PKG	5	261BULK	10	1/4"	10"	10 1/2"	449PKG	1	449BULK	10
1/8"	7	7 1/4"	262PKG	5	262BULK	10	1/4"	10 1/2"	11"	450PKG	1	450BULK	10
1/8"	7 1/4"	7 1/2"	263PKG	5	263BULK	10	1/4"	11"	11 1/2"	451PKG	1	451BULK	10
1/8"	7 1/2"	7 3/4"	264PKG	5	264BULK	10	1/4"	11 1/2"	12"	452PKG	1	452BULK	10
1/8"	7 3/4"	8	265PKG	5	265BULK	10	1/4"	12"	12 1/2"	453PKG	1	453BULK	10
1/8"	8	8 1/4"	266PKG	5	266BULK	10	1/4"	12 1/2"	13"	454PKG	1	454BULK	10
1/8"	8 1/4"	8 1/2"	267PKG	5	267BULK	10	1/4"	13"	13 1/2"	455PKG	1	455BULK	10
1/8"	8 1/2"	8 3/4"	268PKG	5	268BULK	10	1/4"	13 1/2"	14"	456PKG	1	456BULK	10
1/8"	8 3/4"	9	269PKG	5	269BULK	10	1/4"	14"	14 1/2"	457PKG	1	457BULK	10
1/8"	9	9 1/4"	270PKG	5	270BULK	10	1/4"	14 1/2"	15"	458PKG	1	458BULK	10
1/8"	9 1/4"	9 1/2"	271PKG	5	271BULK	10	1/4"	15"	15 1/2"	459PKG	1	459BULK	10
1/8"	9 1/2"	9 3/4"	272PKG	5	272BULK	10	1/4"	15 1/2"	16"	460PKG	1	460BULK	10
1/8"	9 3/4"	10	273PKG	5	273BULK	10							
1/8"	10	10 1/4"	274PKG	5	274BULK	10							
3/16"	1 1/2"	1 7/8"	325PKG	5	325BULK	100							
3/16"	1 1/2"	1 7/8"	325V35*	2	NA	NA							
3/16"	1 5/8"	2"	326PKG	5	326BULK	100							
3/16"	1 5/8"	2"	326V35*	2	NA	NA							
3/16"	1 3/4"	2 1/8"	327PKG	5	327BULK	100							
3/16"	1 3/4"	2 1/8"	327V35*	2	NA	NA							
3/16"	1 7/8"	2 1/4"	328PKG	5	328BULK	100							
3/16"	2"	2 3/8"	329PKG	5	329BULK	100							
3/16"	2 1/8"	2 1/2"	330PKG	5	330BULK	100							
3/16"	2 1/4"	2 5/8"	331PKG	5	331BULK	100							
3/16"	2 3/8"	2 3/4"	332PKG	5	332BULK	100							
3/16"	2 1/2"	2 7/8"	333PKG	5	333BULK	100							
3/16"	2 5/8"	3	334PKG	5	334BULK	100							
3/16"	2 3/4"	3 1/8"	335PKG	5	335BULK	100							
3/16"	2 7/8"	3 1/4"	336PKG	5	336BULK	100							
3/16"	3	3 3/8"	337PKG	5	337BULK	100							
3/16"	3 1/8"	3 1/2"	338PKG	5	338BULK	50							
3/16"	3 1/4"	3 5/8"	339PKG	5	339BULK	50							
3/16"	3 3/8"	3 3/4"	340PKG	5	340BULK	50							

* Fluoroelastomer

O-Rings

NATIONAL®



OK 311

Designed for emergency maintenance, this kit reduces downtime to a minimum by providing quick and easy selection of the proper replacement O-rings. O-rings in this kit are all nitrile (BUNA-N) rubber and in popular inch dimensions from 1/4" O.D. to 2 1/8" O.D. in thirty sizes

Kit Part	I.D.	O.D.	Width	Pcs.	Refill
006	1/8"	1/4"	1/16"	20	006PKG
007	5/32"	9/32"	1/16"	20	007PKG
008	3/16"	5/16"	1/16"	20	008PKG
009	7/32"	11/32"	1/16"	20	009PKG
010	1/4"	3/8"	1/16"	20	010PKG
011	5/16"	7/16"	1/16"	20	011PKG
012	3/8"	1/2"	1/16"	20	012PKG
110	3/8"	9/16"	3/32"	13	110PKG
111	7/16"	5/8"	3/32"	13	111PKG
112	1/2"	11/16"	3/32"	13	112PKG
113	9/16"	3/4"	3/32"	13	113PKG
114	5/8"	13/16"	3/32"	13	114PKG
115	11/16"	7/8"	3/32"	13	115PKG
116	3/4"	15/16"	3/32"	13	116PKG
210	3/4"	1"	1/8"	10	210PKG
211	13/16"	1 1/16"	1/8"	10	211PKG
212	7/8"	1 1/8"	1/8"	10	212PKG
213	15/16"	1 3/16"	1/8"	10	213PKG
214	1"	1 1/4"	1/8"	10	214PKG
215	1 1/16"	1 5/16"	1/8"	10	215PKG
216	1 1/8"	1 3/8"	1/8"	10	216PKG
217	1 3/16"	1 7/16"	1/8"	10	217PKG
218	1 1/4"	1 1/2"	1/8"	10	218PKG
219	1 5/16"	1 9/16"	1/8"	10	219PKG
220	1 3/8"	1 5/8"	1/8"	10	220PKG
221	1 7/16"	1 11/16"	1/8"	10	221PKG
222	1 1/2"	1 3/4"	1/8"	10	222PKG
325	1 1/2"	1 7/8"	3/16"	7	325PKG
326	1 5/8"	2"	3/16"	7	326PKG
327	1 3/4"	2 1/8"	3/16"	7	327PKG

OK 312

For metric applications, you will never have to guess which O-rings to use again. The OK-312 metric O-ring kit gives you 30 sizes of metric O-rings, from 7mm O.D. to 52mm O.D., made from nitrile rubber. This kit allows you to have the correct O-ring for your metric application

Kit Part	I.D.	O.D.	Width	Pcs.	Refill
6003020	3 mm	7 mm	2 mm	16	6003020
6004020	4 mm	8 mm	2 mm	16	6004020
6005020	5 mm	9 mm	2 mm	16	6005020
6006020	6 mm	10 mm	2 mm	16	6006020
6007020	7 mm	11 mm	2 mm	16	6007020
6008020	8 mm	12 mm	2 mm	16	6008020
6010020	10 mm	14 mm	2 mm	16	6010020
6010025	10 mm	15 mm	2.5 mm	13	6010025
6011025	11 mm	16 mm	2.5 mm	13	6011025
6012025	12 mm	17 mm	2.5 mm	13	6012025
6014025	14 mm	19 mm	2.5 mm	13	6014025
6016025	16 mm	21 mm	2.5 mm	13	6016025
6017025	17 mm	22 mm	2.5 mm	13	6017025
6019025	19 mm	24 mm	2.5 mm	13	6019025
6019030	19 mm	25 mm	3 mm	12	6019030
6020030	20 mm	26 mm	3 mm	12	6020030
6022030	22 mm	28 mm	3 mm	12	6022030
6024030	24 mm	30 mm	3 mm	12	6024030
6025030	25 mm	31 mm	3 mm	12	6025030
6027030	27 mm	33 mm	3 mm	12	6027030
6028030	28 mm	34 mm	3 mm	12	6028030
6030030	30 mm	36 mm	3 mm	12	6030030
6032030	32 mm	38 mm	3 mm	12	6032030
6033030	33 mm	39 mm	3 mm	12	6033030
6035030	35 mm	41 mm	3 mm	12	6035030
6036030	36 mm	42 mm	3 mm	12	6036030
6038030	38 mm	44 mm	3 mm	11	6038030
6038040	38 mm	46 mm	4 mm	9	6038040
6041040	41 mm	49 mm	4 mm	9	6041040
6044040	44 mm	52 mm	4 mm	9	6044040

OK 411

Designed for use in higher temperatures or particularly punishing applications, the O-rings in this kit are made from a super-durable fluoroelastomer. The kit provides O-rings in 30 popular sizes, in inch dimensions from 1/4" O.D. to 2 1/8" O.D.

Kit Part	I.D.	O.D.	Width	Pcs.	Refill
006V35	1/8"	1/4"	1/16"	10	006V35
007V35	5/32"	9/32"	1/16"	10	007V35
008V35	3/16"	5/16"	1/16"	10	008V35
009V35	7/32"	11/32"	1/16"	10	009V35
010V35	1/4"	3/8"	1/16"	10	010V35
011V35	5/16"	7/16"	1/16"	10	011V35
012V35	3/8"	1/2"	1/16"	10	012V35
110V35	3/8"	9/16"	3/32"	10	110V35
111V35	7/16"	5/8"	3/32"	10	111V35
112V35	1/2"	11/16"	3/32"	10	112V35
113V35	9/16"	3/4"	3/32"	10	113V35
114V35	5/8"	13/16"	3/32"	10	114V35
115V35	11/16"	7/8"	3/32"	5	115V35
116V35	3/4"	15/16"	3/32"	5	116V35
210V35	3/4"	1"	1/8"	5	210V35
211V35	13/16"	1 1/16"	1/8"	5	211V35
212V35	7/8"	1 1/8"	1/8"	5	212V35
213V35	15/16"	1 3/16"	1/8"	5	213V35
214V35	1"	1 1/4"	1/8"	5	214V35
215V35	1 1/16"	1 5/16"	1/8"	5	215V35
216V35	1 1/8"	1 3/8"	1/8"	2	216V35
217V35	1 3/16"	1 7/16"	1/8"	2	217V35
218V35	1 1/4"	1 1/2"	1/8"	2	218V35
219V35	1 5/16"	1 9/16"	1/8"	2	219V35
220V35	1 3/8"	1 5/8"	1/8"	2	220V35
221V35	1 7/16"	1 11/16"	1/8"	2	221V35
222V35	1 1/2"	1 3/4"	1/8"	2	222V35
325V35	1 1/2"	1 7/8"	3/16"	2	325V35
326V35	1 5/8"	2"	3/16"	2	326V35
327V35	1 3/4"	2 1/8"	3/16"	2	327V35

* O-Ring Gage (MD-999) sold separately. Individual O-Rings can be purchased separately

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
A-1205-A-1925	ROCKW	417484	A112603	OLIVE	471554!	A1205D-1070	ROCKW	370048A	A1205G-631	ROCKW	370001A
A-1205-A-1925	ROCKW	4874N	A11332	CASE	476470	A1205D-1070	ROCKW	380048A	A1205G-631	ROCKW	6638S
A-1205-B-1926	ROCKW	100494	A113763	OLIVE	471835!	A1205D-1148	ROCKW	416556!	A1205G-633	ROCKW	410308!
A-1205-B-1926	ROCKW	476470	A11507	CASE	471267!	A1205D-1148	ROCKW	472157	A1205G-633	ROCKW	473468
A-1205-D-1925	ROCKW	415082	A115551	OLIVE	470059	A1205D-160	ROCKW	470334!	A1205G-683	ROCKW	410308
A-1205-D-1928	ROCKW	415082	A115551	OLIVE	470380!	A1205D-1798	ROCKW	455612N*=	A1205G-735	ROCKW	370046A
A-1205-D-2422	ROCKW	415150=	A115775	OLIVE	471192	A1205D-1850	ROCKW	370037A	A1205G-735	ROCKW	416297!
A-1205-D-2500	ROCKW	100495	A115792	OLIVE	471765!	A1205D-1850	ROCKW	370338A	A1205G-995	ROCKW	417365*=
A-1205-D-2578	ROCKW	370048A	A11592	CASE	471158!	A1205D-212	ROCKW	473231!	A1205H-138	ROCKW	472164!
A-1205-D-2578	ROCKW	380048A	A116110	OLIVE	471391!	A1205D-368	ROCKW	471766=	A1205H-2114	ROCKW	40337S
A-1205-E-2501	ROCKW	100141	A11774	CUSH	240414	A1205D-394	ROCKW	471224	A1205H-398	ROCKW	55367=
A-1205-F-2424	ROCKW	100495	A11788	WHITE	411245!	A1205D-420	ROCKW	416070	A1205H-736	ROCKW	416297
A-1205-F-2424	ROCKW	4810V!	A11805S-149	ROCKW	3591	A1205D-446	ROCKW	416288	A1205H-762	ROCKW	370007A
A-1205-F-2502	ROCKW	100263	A119488	US-EL	472258!	A1205D-602	ROCKW	471103!	A1205H-762	ROCKW	7866S
A-1205-G-2425	ROCKW	100263	A11999R-668	ROCKW	411253!	A1205D-600	ROCKW	6612S	A1205H-918	ROCKW	40566S
A-1205-G-2425	ROCKW	4561V	A1205-E-631	ROCKW	6638S	A1205D-758	ROCKW	418028	A1205H840	ROCKW	471224!
A-1205-G-2555	ROCKW	100355	A1205-L-2482	ROCKW	413469	A1205D-836	ROCKW	370036A	A1205I-11061	ROCKW	370003A
A-1205-H-2426	ROCKW	100263	A1205A-1015	ROCKW	413246	A1205D-836	ROCKW	370349A	A1205J-1102	ROCKW	416107!
A-1205-H-2426	ROCKW	4562V	A1205A-1015X	ROCKW	413246	A1205D-992	ROCKW	415351!	A1205J-1102	ROCKW	455073
A-1205-H-2556	ROCKW	100557	A1205A-1033	ROCKW	476281N=	A1205D-2188	ROCKW	417316!	A1205J-1206	ROCKW	370007A
A-1205-J-2428	ROCKW	100494	A1205A-1035	ROCKW	472636!	A1205D2526	ROCKW	370023A	A1205J-1338	ROCKW	370093A*=
A-1205-J-2428	ROCKW	476470	A1205A-1249	ROCKW	2505	A1205D2526	ROCKW	380023A	A1205J-1388X	ROCKW	370093A=
A-1205-J-2558	ROCKW	100263	A1205A-1535	ROCKW	476470!	A1205E-1019	ROCKW	417507*	A1205J-1518	ROCKW	415379
A-1205-J-2558	ROCKW	100373	A1205A-1535	ROCKW	476470	A1205E-1071	ROCKW	370001A	A1205J-1544	ROCKW	415082
A-1205-K-2013	ROCKW	417507	A1205A-157	ROCKW	473367!	A1205E-1227	ROCKW	100495	A1205J-166	ROCKW	416288
A-1205-K-2429	ROCKW	100557	A1205A-157	ROCKW	473367	A1205E-1227	ROCKW	476023N	A1205J-2116	ROCKW	415124
A-1205-K-2429	ROCKW	4544V	A1205A-1665X	ROCKW	415551	A1205E-1253	ROCKW	417506	A1205J-2272	ROCKW	370181A
A-1205-K-2559	ROCKW	100406	A1205A-183	ROCKW	418028	A1205E-135	ROCKW	415001!	A1205J-296	ROCKW	415991
A-1205-K-2559	ROCKW	100495	A1205A-183	ROCKW	455137!	A1205E-1513	ROCKW	473238!	A1205J-296	ROCKW	455146!
A-1205-L-2428	ROCKW	100494	A1205A-1873	ROCKW	417602=	A1205E-1591	ROCKW	253610	A1205J-374	ROCKW	471887
A-1205-L-2428	ROCKW	476470	A1205A-2107	ROCKW	45013S	A1205E-161	ROCKW	473367!	A1205J-634	ROCKW	370030A
A-1205-L-2430	ROCKW	100495	A1205A-287	ROCKW	473228!	A1205E-161	ROCKW	473367	A1205J-712	ROCKW	417211!
A-1205-L-2430	ROCKW	714810	A1205A-339	ROCKW	417196!	A1205E-1851	ROCKW	370036A	A1205J-738	ROCKW	455858
A-1205-N-2588	ROCKW	100263	A1205A-391	ROCKW	417621!	A1205E-1851	ROCKW	370349A	A1205J-998X	ROCKW	415458!
A-1205-N-2588	ROCKW	4562V	A1205A-651	ROCKW	452086	A1205E-2163	ROCKW	417507	A1205J1934	ROCKW	4564V
A-1205-P-2486	ROCKW	907155	A1205A-804	ROCKW	472636!	A1205E-317	ROCKW	417316!	A1205J842	ROCKW	7512S=
A-1205-P-2538	ROCKW	100557	A1205A-937	ROCKW	370037A	A1205E-343	ROCKW	476838!	A1205K-1285	ROCKW	370003A
A-1205-Q-2591	ROCKW	100557	A1205A-937	ROCKW	370338A	A1205E-603	ROCKW	415036	A1205K-1337	ROCKW	415991
A-1205-Q-2591	ROCKW	4544V	A1205A-989	ROCKW	416891!	A1205E-707	ROCKW	5487	A1205K-1337	ROCKW	415991!
A-1205-R-2592	ROCKW	100494	A1205A-989X	ROCKW	416891!	A1205E-837	ROCKW	415437	A1205K-141	ROCKW	474265
A-1205-R-2592	ROCKW	476470	A1205B-1016	ROCKW	456641	A1205E-837	ROCKW	415437!	A1205K-167	ROCKW	473215
A-1205-S-2255	ROCKW	100495	A1205B-1198	ROCKW	412119	A1205E-863X	ROCKW	471391!	A1205K-1753	ROCKW	472016
A-1205-S-2281	ROCKW	417484	A1205B-1224	ROCKW	413246	A1205E-993	ROCKW	417522	A1205K-1779	ROCKW	417484!
A-1205-S-2281	ROCKW	4564V	A1205B-1314	ROCKW	370077A*=	A1205E-993X	ROCKW	417522	A1205K-219	ROCKW	50560
A-1205-U-1945	ROCKW	100557	A1205B-1328	ROCKW	3136N	A1205E2186	ROCKW	473490	A1205K-427	ROCKW	473238!
A-1205-U-1945	ROCKW	4544V	A1205B-1718	ROCKW	450523	A1205E265	ROCKW	470059	A1205K-453	ROCKW	6245S=
A-1205-U-2257	ROCKW	100263	A1205B-1796X	ROCKW	370166A*	A1205E265	ROCKW	470380!	A1205K-531	ROCKW	470625!
A-1205-U-2257	ROCKW	4562V	A1205B-184	ROCKW	471821!	A1205F-1043	ROCKW	416888	A1205K-583	ROCKW	471413
A-1205-U-2335	ROCKW	100495	A1205B-210	ROCKW	415458!	A1205F-136	ROCKW	40468	A1205K-635	ROCKW	410737!
A-1205-U-2335	ROCKW	714810	A1205B-2108	ROCKW	40101S	A1205F-1748	ROCKW	370030A	A1205K-687	ROCKW	5313\$
A-1205-W-1895	ROCKW	100495	A1205B-288	ROCKW	416294!	A1205F-362	ROCKW	473446	A1205K-713	ROCKW	3592
A-1205-W-1895	ROCKW	476023N	A1205B-366	ROCKW	471271!	A1205F-370	ROCKW	5957S	A1205K-739	ROCKW	455858
A-1205-W-1895	ROCKW	4810V!	A1205B-574	ROCKW	370008A	A1205F-448	ROCKW	416332!	A1205K-937	ROCKW	370037A
A-1205-Y-1897	ROCKW	100263	A1205B-574	ROCKW	6270	A1205F-682	ROCKW	451078!	A1205K-937	ROCKW	370338A
A-1205-Y-1897	ROCKW	3905	A1205B-626	ROCKW	410987!	A1205F-708	ROCKW	417349	A1205K-999	ROCKW	386025A
A-1205-Y-1897	ROCKW	4562V	A1205B-678	ROCKW	415007	A1205F-760	ROCKW	471138!	A1205K-999	ROCKW	416158
A-65277	TROS	370030A	A1205B-834X	ROCKW	55469	A1205F-838	ROCKW	370037A	A1205K401	ROCKW	417316!
A020571	FED	6971S=	A1205B2264	ROCKW	370001A	A1205F-838	ROCKW	370338A	A1205K401	ROCKW	417316=
A0383	CATER	473442!	A1205C-1069	ROCKW	473240!	A1205F-88	ROCKW	472179	A1205L-1338	ROCKW	370001A
A10062	CASE	415960	A1205C-1355	ROCKW	473215*	A1205F-969	ROCKW	417337N*	A1205L-1390	ROCKW	415294!
A10096	CASE	472015!	A1205C-1381	ROCKW	370054A	A1205F162	ROCKW	470059	A1205L-142	ROCKW	473462
A10132A	CUSH	340930	A1205C-159	ROCKW	410102	A1205F162	ROCKW	470380!	A1205L-1598	ROCKW	386025A
A102	TROS	HU012A	A1205C-1719	ROCKW	370011A	A1205G-1047	ROCKW	472439	A1205L-1598	ROCKW	416158
A10260	CASE	471466!	A1205C-1875	ROCKW	370036A	A1205G-1177	ROCKW	2704=	A1205L-1780	ROCKW	416961=
A1026J	EATON	450084!	A1205C-1875	ROCKW	370349A	A1205G-1723	ROCKW	415196!	A1205L-220	ROCKW	472319
A104255	CONCA	471649!	A1205C-211	ROCKW	417159	A1205G-189	ROCKW	415035	A1205L-324	ROCKW	370036A
A104255	CONTI	471649!	A1205C-367	ROCKW	411253!	A1205G-189	ROCKW	415035!	A1205L-324	ROCKW	370349A
A106737R91	IH	474278	A1205C-653	ROCKW	415060	A1205G-293	ROCKW	418028	A1205L-364	ROCKW	416107!
A109155	OLIVE	472560N	A1205C-653	ROCKW	455060	A1205G-293	ROCKW	455137!	A1205L-364	ROCKW	455073
A109155	WHITE	472560N	A1205C-757	ROCKW	472016	A1205G-397	ROCKW	416654	A1205L-415	ROCKW	472636!
A11120	CASE	471141!	A1205C1927	ROCKW	415995	A1205G-423	ROCKW	415041	A1205L-714	ROCKW	416500
A11151	JOHND	411290!	A1205D-1018	ROCKW	416888	A1205G-605	ROCKW	40286	A1205L-714	ROCKW	4563V

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
A1205L-740	ROCKW	A1205Q-1395	ROCKW	A1205T-670	ROCKW	A1205X-180	ROCKW
A1205L-741	ROCKW	A1205Q-1525	ROCKW	A1205T-696	ROCKW	A1205X-1896	ROCKW
A1205L-750	ROCKW	A1205Q-1629	ROCKW	A1205T-696	ROCKW	A1205X-258	ROCKW
A1205L-766	ROCKW	A1205Q-1629	ROCKW	A1205T-722	ROCKW	A1205X-414	ROCKW
A1205L-922X	ROCKW	A1205Q-1655	ROCKW	A1205T-724	ROCKW	A1205X-596	ROCKW
A1205L-1546	ROCKW	A1205Q-1665	ROCKW	A1205T-748	ROCKW	A1205X-622	ROCKW
A1205M-1287	ROCKW	A1205Q-1759	ROCKW	A1205T-774	ROCKW	A1205X-752	ROCKW
A1205M-1625	ROCKW	A1205Q-1915	ROCKW	A1205T-800X	ROCKW	A1205X-804	ROCKW
A1205M-1718	ROCKW	A1205Q-1941	ROCKW	A1205T-1112	ROCKW	A1205X-960	ROCKW
A1205M-429	ROCKW	A1205Q-225	ROCKW	A1205T-1112	ROCKW	A1205X-960X	ROCKW
A1205M-585	ROCKW	A1205Q-329	ROCKW	A1205U-1061	ROCKW	A1205Y-1377	ROCKW
A1205M-611	ROCKW	A1205Q-407	ROCKW	A1205U-1243	ROCKW	A1205Y-1533X	ROCKW
A1205M-715	ROCKW	A1205Q-45	ROCKW	A1205U-1529	ROCKW	A1205Y-1689X	ROCKW
A1205M-897	ROCKW	A1205Q-563	ROCKW	A1205U-1635	ROCKW	A1205Y-1715	ROCKW
A1205M-897	ROCKW	A1205Q-615	ROCKW	A1205U-1685	ROCKW	A1205Y-1923	ROCKW
A1205M-897	ROCKW	A1205Q-849X	ROCKW	A1205U-1685	ROCKW	A1205Y-1975	ROCKW
A1205M-2197	ROCKW	A1205Q-979X	ROCKW	A1205U-229	ROCKW	A1205Y-1975	ROCKW
A1205M-2198	ROCKW	A1205Q-1447	ROCKW	A1205U-297	ROCKW	A1205Y-2105	ROCKW
A1205M-325	ROCKW	A1205Q-173	ROCKW	A1205U-411	ROCKW	A1205Y-233	ROCKW
A1205M-325	ROCKW	A1205Q-2487	ROCKW	A1205U-437	ROCKW	A1205Y-263	ROCKW
A1205N-1132	ROCKW	A1205Q-723	ROCKW	A1205U-515	ROCKW	A1205Y-363	ROCKW
A1205N-1288	ROCKW	A1205R-1	ROCKW	A1205U-619	ROCKW	A1205Y-415	ROCKW
A1205N-1314	ROCKW	A1205R-1	ROCKW	A1205U-697	ROCKW	A1205Y-571	KEN
A1205N-1392	ROCKW	A1205R-1344	ROCKW	A1205U-723	ROCKW	A1205Y-571	ROCKW
A1205N-1496	ROCKW	A1205R-148	ROCKW	A1205U-749	ROCKW	A1205Y-727	ROCKW
A1205N-1548	ROCKW	A1205R-148	ROCKW	A1205V-1062	ROCKW	A1205Y-909	ROCKW
A1205N-1574	ROCKW	A1205R-1552	ROCKW	A1205V-1192	ROCKW	A1205Y-961	ROCKW
A1205N-1614	ROCKW	A1205R-1604	ROCKW	A1205V-126	ROCKW	A1205Y-1533	ROCKW
A1205N-1851	ROCKW	A1205R-1630	ROCKW	A1205V-1374	ROCKW	A1205Z-1014	ROCKW
A1205N-1851	ROCKW	A1205R-2124	ROCKW	A1205V-1556	ROCKW	A1205Z-1534	ROCKW
A1205N-300	ROCKW	A1205R-226	ROCKW	A1205V-1634X	ROCKW	A1205Z-156	ROCKW
A1205N-612	ROCKW	A1205R-330	ROCKW	A1205V-1660	ROCKW	A1205Z-1638X	ROCKW
A1205N-664	ROCKW	A1205R-408	ROCKW	A1205V-230	ROCKW	A1205Z-1716	ROCKW
A1205N-742	ROCKW	A1205R-564	ROCKW	A1205V-230	ROCKW	A1205Z-182	ROCKW
A1205N-846	ROCKW	A1205R-590	ROCKW	A1205V-256	ROCKW	A1205Z-1820	ROCKW
A1205N-898	ROCKW	A1205R-616	ROCKW	A1205V-386	ROCKW	A1205Z-2106	ROCKW
A1205N-898X	ROCKW	A1205R-642	ROCKW	A1205V-542	ROCKW	A1205Z-2132	ROCKW
A1205N-898X	ROCKW	A1205R-2488	ROCKW	A1205V-596	ROCKW	A1205Z-286	ROCKW
A1205N-898X	ROCKW	A1205S-1033	ROCKW	A1205V-672	ROCKW	A1205Z-338	ROCKW
A1205N-1132S	ROCKW	A1205S-1111X	ROCKW	A1205V-672	ROCKW	A1205Z-364	ROCKW
A1205P-1004	ROCKW	A1205S-1319	ROCKW	A1205V-723	ROCKW	A1205Z-884	ROCKW
A1205P-1212	ROCKW	A1205S-1345	ROCKW	A1205V-724	ROCKW	A1205Z-910	ROCKW
A1205P-1238	ROCKW	A1205S-1449	ROCKW	A1205V-802X	ROCKW	A1205Z-962X	ROCKW
A1205P-1368	ROCKW	A1205S-149	ROCKW	A1205V-958	ROCKW	A1208 HWY	
A1205P-1368	ROCKW	A1205S-1527	ROCKW	A1205V-2102	ROCKW	A12536 WHITE	
A1205P-1446	ROCKW	A1205S-1631	ROCKW	A1205V-2492	ROCKW	A125Y1533	ROCKW
A1205P-1449	ROCKW	A1205S-1657	ROCKW	A1205V-2492	ROCKW	A12929 CASE	
A1205P-146	KEN	A1205S-617	ROCKW	A1205W-1167X	ROCKW	A12931 CASE	
A1205P-146	ROCKW	A1205S-669	ROCKW	A1205W-1193	ROCKW	A12994 CASE	
A1205P-1466	ROCKW	A1205S-695	ROCKW	A1205W-1245	ROCKW	A12996 CASE	
A1205P-1602	ROCKW	A1205S-747	ROCKW	A1205W-1345	ROCKW	A130030 KOEH	
A1205P-1680	ROCKW	A1205S-175	ROCKW	A1205W-1349	ROCKW	A1305L-194	ROCKW
A1205P-1758	ROCKW	A1205S-2203	ROCKW	A1205W-1375	ROCKW	A13063 WHITE	
A1205P-1888	ROCKW	A1205S-2489	ROCKW	A1205W-1557	ROCKW	A13262 CASE	
A1205P-198	ROCKW	A1205S-2489	ROCKW	A1205W-1687X	ROCKW	A1342001 CYCLO	
A1205P-224	ROCKW	A1205T-1086	ROCKW	A1205W-283	ROCKW	A134Z012 CYCLO	
A1205P-2590	ROCKW	A1205T-124	ROCKW	A1205W-309	ROCKW	A134Z012 GR-DV	
A1205P-2590	ROCKW	A1205T-1242	ROCKW	A1205W-647	ROCKW	A13591 LONG	
A1205P-276	ROCKW	A1205T-1252	ROCKW	A1205W-647	ROCKW	A136563 CASE	
A1205P-276	ROCKW	A1205T-1424	ROCKW	A1205W-1531X	ROCKW	A136660 CASE	
A1205P-302	ROCKW	A1205T-150	ROCKW	A1205W-1531X	ROCKW	A13729 WHITE	
A1205P-328	ROCKW	A1205T-1534	ROCKW	A1205W-2467	ROCKW	A138295 CASE	
A1205P-380	ROCKW	A1205T-1580	ROCKW	A1205W-829	ROCKW	A139499 HYST	
A1205P-406	ROCKW	A1205T-1710	ROCKW	A1205X-1116	ROCKW	A139499 HYST	
A1205P-614	ROCKW	A1205T-1814	ROCKW	A1205X-128	ROCKW	A1400 CATER	
A1205P-666	ROCKW	A1205T-1944	ROCKW	A1205X-1298	ROCKW	A1401 CATER	
A1205P-848	ROCKW	A1205T-1996	ROCKW	A1205X-1532	ROCKW	A1401 TMTR	
A1205P-900	ROCKW	A1205T-228	ROCKW	A1205X-1662	ROCKW	A140145 CASE	
A1205P-1914	ROCKW	A1205T-436	ROCKW	A1205X-1662	ROCKW	A140145 CASE	
A1205P-2226	ROCKW	A1205T-50	ROCKW	A1205X-1688X	ROCKW	A1402 TMTR	
A1205P-2226	ROCKW	A1205T-634	ROCKW	A1205X-1690X	ROCKW	A1403 CATER	
A1205Q-1317	ROCKW	A1205T-644	ROCKW	A1205X-1792	ROCKW	A1403 TMTR	

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A1404	TMTR	471762!	A1805A-261	ROCKW	416706	A1805E-343	ROCKW	415371	A1805K-557	ROCKW	472258!
A1405A-1	ROCKW	417316!	A1805A-365	ROCKW	415449!	A1805E-369	ROCKW	418028!	A1805K-609	ROCKW	472157 =
A1405A-27X	ROCKW	417601	A1805A-417	ROCKW	417344!	A1805E-369	ROCKW	455137	A1805K-63	ROCKW	412920!
A1405C-3	ROCKW	471267!	A1805A-443	ROCKW	353120	A1805E-395	ROCKW	417570	A1805K-89	ROCKW	473238
A1405D-30X	ROCKW	417357	A1805A-495	ROCKW	415995!	A1805E-447	ROCKW	472164 =	A1805K401	ROCKW	470764!
A1405D-4	ROCKW	254287	A1805A-53	ROCKW	472636!	A1805E-473	ROCKW	415035	A1805K401	ROCKW	50764
A1405E-5	ROCKW	415072	A1805A-547	ROCKW	417353!	A1805E-499	ROCKW	417269	A1805L-12	ROCKW	416654!
A1405F-6	ROCKW	471224!	A1805A-573	ROCKW	471341	A1805E-5	ROCKW	415023	A1805L-142	ROCKW	470774!
A1405G-7	ROCKW	472636!	A1805A-625	ROCKW	416271!	A1805E-57	ROCKW	473444	A1805L-168	ROCKW	472164!
A1405K-11	ROCKW	472299	A1805A-79	ROCKW	415001!	A1805E-577	ROCKW	415447	A1805L-194	ROCKW	410825
A1405P-42X	ROCKW	417357	A1805A183	ROCKW	471192	A1805E-603	ROCKW	472397!	A1805L-220	ROCKW	473475
A1405Q-17	ROCKW	411253!	A1805A235	ROCKW	471785!	A1805E-695	ROCKW	473214!	A1805L-246	ROCKW	6532S =
A1405S-45X	ROCKW	476470!	A1805A382	ROCKW	471192	A1805E109	ROCKW	471192	A1805L-272	ROCKW	472015!
A1405S-45X	ROCKW	476470	A1805B-106	ROCKW	470950!	A1805F-110	ROCKW	472144!	A1805L-350	ROCKW	416664!
A1405W-23	ROCKW	471504	A1805B-106	ROCKW	6241S	A1805F-136	ROCKW	412119!	A1805L-376	ROCKW	472185!
A1405W-49	ROCKW	473010 =	A1805B-132	ROCKW	415045!	A1805F-162	ROCKW	417487!	A1805L-402	ROCKW	415938
A1405X-50	ROCKW	471276 =	A1805B-2	ROCKW	417487	A1805F-162	ROCKW	417487	A1805L-454	ROCKW	470605!
A1405Y-51	ROCKW	415192N	A1805B-236	ROCKW	472015!	A1805F-240	ROCKW	415656	A1805L-532	ROCKW	471887
A1405Z-52	ROCKW	417601 =	A1805B-262	ROCKW	415458!	A1805F-500	ROCKW	473467!	A1805L-558	ROCKW	473215!
A140930	CASE	416961 =	A1805B-262X	ROCKW	415984!	A1805F-526	ROCKW	473204	A1805L-584	ROCKW	471712
A1410	TMTR	200354	A1805B-28	ROCKW	472636!	A1805F-552	ROCKW	473244!	A1805L-610	ROCKW	473244!
A14160	WHITE	472636!	A1805B-288	ROCKW	471341!	A1805F-578	ROCKW	415449!	A1805L-64	ROCKW	411253!
A14161	WHITE	473228	A1805B-314	ROCKW	473179!	A1805F-58	ROCKW	455151	A1805L-688	ROCKW	416294!
A14162	WHITE	471750!	A1805B-340	ROCKW	415725!	A1805F-630	ROCKW	450540	A1805L-90	ROCKW	450456!
A14163	WHITE	450593!	A1805B-366	ROCKW	481163!	A1805F-708	ROCKW	417621	A1805M-13	ROCKW	415551
A14164	WHITE	470050	A1805B-392	ROCKW	415854	A1805G-319	ROCKW	472144!	A1805M-167	ROCKW	473227!
A14216	WILYS	6074	A1805B-415	ROCKW	417602!	A1805G-371	ROCKW	471984	A1805M-169	ROCKW	473227!
A1423	JA-HE	471442!	A1805B-418	ROCKW	417602!	A1805G-423	ROCKW	415379	A1805M-273	ROCKW	473471
A142927	CASE	477609 =	A1805B-470	ROCKW	450362	A1805G-579	ROCKW	473232	A1805M-299	ROCKW	455330!
A143754	MASSE	415449!	A1805B-496	ROCKW	416706	A1805G-59	ROCKW	472394	A1805M-351	ROCKW	473243
A1443	OLIVE	450040	A1805B-54	ROCKW	472924!	A1805G-605	ROCKW	412473!	A1805M-377	ROCKW	417492
A1443A	OLIVE	417196!	A1805B-548	ROCKW	415941	A1805G-631	ROCKW	450930 =	A1805M-429	ROCKW	455251H
A1443B	GAL	417356!	A1805B-574	ROCKW	470898	A1805G-683	ROCKW	471271!	A1805M-455	ROCKW	417597
A1443B	GAL	455188	A1805B-678	ROCKW	417603!	A1805G-709	ROCKW	416624*	A1805M-481	ROCKW	417433
A1443B	HOUGH	417356!	A1805B-730	ROCKW	417269* =	A1805G-85	ROCKW	476838!	A1805M-533	ROCKW	415327
A1443B	HOUGH	455188	A1805B-80	ROCKW	415960	A1805H-138	ROCKW	471354!	A1805M-559	ROCKW	471413!
A1443B	OLIVE	417356!	A1805C-107	ROCKW	472394	A1805H-1386X	ROCKW	417603!	A1805M-585	ROCKW	415259!
A1443B	OLIVE	455188	A1805C-133	ROCKW	473232	A1805H-164	ROCKW	416404!	A1805M-611	ROCKW	417541
A1443C	OLIVE	472157!	A1805C-159	ROCKW	472164!	A1805H-190	ROCKW	415142	A1805M-65	ROCKW	450084!
A1443C	OLIVE	472157	A1805C-185	ROCKW	415725!	A1805H-294	ROCKW	412871!	A1805M-91	ROCKW	415001!
A14538	AMC	471442!	A1805C-237	ROCKW	473474	A1805H-372	ROCKW	50254 =	A1805M247	ROCKW	480630!
A14629	JOHND	200110	A1805C-263	ROCKW	55358 =	A1805H-398	ROCKW	470898	A1805N-118	ROCKW	473234
A14813	CASE	470898 =	A1805C-29	ROCKW	416865!	A1805H-424	ROCKW	455509	A1805N-278	ROCKW	472164 =
A148456	ALLCH	472012	A1805C-3	ROCKW	415960!	A1805H-450	ROCKW	470530!	A1805N-300	ROCKW	473010!
A14987	CASE	472409!	A1805C-315	ROCKW	470898	A1805H-502	ROCKW	8557 =	A1805N-378	ROCKW	472164 =
A149A	BR-WN	470334!	A1805C-367	ROCKW	473450	A1805H-580	ROCKW	416107!	A1805N-508	ROCKW	456305
A151	IRON	470334!	A1805C-419	ROCKW	470565!	A1805H-60	ROCKW	472016	A1805N-534	ROCKW	415551
A152352	CASE	477673V =	A1805C-445	ROCKW	472164 =	A1805H-606	ROCKW	473228!	A1805N-612	ROCKW	55532 =
A152353	CASE	477674V =	A1805C-523	ROCKW	481678 =	A1805H-86	ROCKW	473211!	A1805N-638	ROCKW	417349
A152354	CASE	477586V =	A1805C-549	ROCKW	472439	A1805J-140	ROCKW	471766!	A1805N-66	ROCKW	415988
A153036	CASE	415449	A1805C-575	ROCKW	417247!	A1805J-166	ROCKW	416288	A1805N-673	ROCKW	455121
A155226	CASE	415559	A1805C-627	ROCKW	473463 =	A1805J-192	ROCKW	471224!	A1805N-716	ROCKW	415088* =
A156423	CASE	3502* =	A1805C289	ROCKW	471192	A1805J-218	ROCKW	472492!	A1805N248	ROCKW	480630!
A156424	CASE	3503* =	A1805C705	ROCKW	370064A	A1805J-296	ROCKW	472164!	A1805N40	ROCKW	471787!
A156425	JOHND	3123* =	A1805D-134	ROCKW	472179	A1805J-348	ROCKW	470898!	A1805P-120	ROCKW	415995!
A156426	JOHND	3124* =	A1805D-160	ROCKW	450084!	A1805J-374	ROCKW	415303!	A1805P-146	ROCKW	472572!
A156577	CASE	473458!	A1805D-186	ROCKW	473203	A1805J-400	ROCKW	472299	A1805P-16	ROCKW	415960
A1625	CATER	481864	A1805D-212	ROCKW	417484!	A1805J-478	ROCKW	416364!	A1805P-198	ROCKW	470806
A1625	TMTR	481864	A1805D-290	ROCKW	473234!	A1805J-530	ROCKW	415138!	A1805P-250	ROCKW	471868
A16356	CASE	417262!	A1805D-316	ROCKW	415498	A1805J-556	ROCKW	417205!	A1805P-276	ROCKW	412119!
A164658	CASE	417485	A1805D-342	ROCKW	417597	A1805J-608	ROCKW	417134	A1805P-328	ROCKW	340823
A16524	OLIVE	471224!	A1805D-368	ROCKW	471276	A1805J-62	ROCKW	415995!	A1805P-354	ROCKW	470898
A16653	CASE	455330!	A1805D-4	ROCKW	417158!	A1805J-686	ROCKW	472492!	A1805P-380	ROCKW	473244
A175836	AU-WS	416654!	A1805D-498X	ROCKW	472439	A1805K-11	ROCKW	416288!	A1805P-406	ROCKW	415090
A1797	TMTR	471689!	A1805D-550	ROCKW	470530!	A1805K-141	ROCKW	473471	A1805P-432	ROCKW	417555!
A18000	CASE	456967N =	A1805D-56	ROCKW	473226	A1805K-193	ROCKW	470530!	A1805P-458	ROCKW	415447
A18000	CASE	456967V!	A1805D-576	ROCKW	100494	A1805K-245	ROCKW	473214	A1805P-484	ROCKW	472157!
A1805A-1	ROCKW	415023	A1805D-576	ROCKW	476470!	A1805K-297	ROCKW	415035	A1805P-484	ROCKW	472157
A1805A-131	ROCKW	412943	A1805D-82	ROCKW	472636!	A1805K-37	ROCKW	470334!	A1805P-510	ROCKW	8561 =
A1805A-157	KEN	473228!	A1805E-135	ROCKW	416921!	A1805K-375	ROCKW	470565!	A1805P-510X	ROCKW	8561 =
A1805A-157	ROCKW	473228 =	A1805E-187	ROCKW	412473!	A1805K-427	ROCKW	450090	A1805P-536	ROCKW	415483
A1805A-209	ROCKW	473473	A1805E-239	ROCKW	455330!	A1805K-531	ROCKW	470565!	A1805P-562	ROCKW	417480!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
A1805P-588	ROCKW	A1805T-514	ROCKW	A1805Y-285	ROCKW	A215F-964	ROCKW
A1805P-666	ROCKW	A1805T-514X	ROCKW	A1805Y-337	ROCKW	A21878	CASE
A1805P-718	ROCKW	A1805T-540	ROCKW	A1805Y-51	ROCKW	A2208N-820	ROCKW
A1805P94	ROCKW	A1805T-618	ROCKW	A1805Y-519	ROCKW	A221	VIC
A1805Q-199	ROCKW	A1805T-722	ROCKW	A1805Y-545	ROCKW	A222	VIC
A1805Q-225	ROCKW	A1805T-98	ROCKW	A1805Y-571X	ROCKW	A2231	VIC
A1805Q-277	ROCKW	A1805TSG-1	ROCKW	A1805Y-597	ROCKW	A223897	GMC
A1805Q-303	ROCKW	A1805U-151	ROCKW	A1805Y-727	ROCKW	A223898	CASE
A1805Q-307	ROCKW	A1805U-177	ROCKW	A1805Y-77	ROCKW	A223899	CASE
A1805Q-381	ROCKW	A1805U-203	ROCKW	A1805Y207	ROCKW	A224	VIC
A1805Q-407	ROCKW	A1805U-281	ROCKW	A1805Y311	ROCKW	A224015	CASE
A1805Q-433	ROCKW	A1805U-307	ROCKW	A1805Y401	ROCKW	A2241	VIC
A1805Q-485	ROCKW	A1805U-333	ROCKW	A1805Y401	ROCKW	A225	VIC
A1805Q-537	ROCKW	A1805U-381	ROCKW	A1805Y493	ROCKW	A2262	VIC
A1805Q-563	ROCKW	A1805U-47	ROCKW	A1805Z-104	ROCKW	A227	VIC
A1805Q-589	ROCKW	A1805U-515	ROCKW	A1805Z-130	ROCKW	A228	VIC
A1805Q-615	ROCKW	A1805U-541	ROCKW	A1805Z-234	ROCKW	A228	VIC
A1805Q-667	ROCKW	A1805U-567	ROCKW	A1805Z-26	ROCKW	A2281	VIC
A1805Q-667	ROCKW	A1805U-645	ROCKW	A1805Z-260	ROCKW	A2291	VIC
A1805Q-693	ROCKW	A1805U-723	ROCKW	A1805Z-286	ROCKW	A230	VIC
A1805Q-95	ROCKW	A1805U255	ROCKW	A1805Z-338	ROCKW	A230	VIC
A1805Q69	ROCKW	A1805V-152	ROCKW	A1805Z-364	ROCKW	A231	VIC
A1805Q69	ROCKW	A1805V-256	ROCKW	A1805Z-442	ROCKW	A232	VIC
A1805R-122	ROCKW	A1805V-308	ROCKW	A1805Z-494	ROCKW	A235	VIC
A1805R-174	ROCKW	A1805V-386	ROCKW	A1805Z-494X	ROCKW	A237	VIC
A1805R-174	ROCKW	A1805V-490	ROCKW	A1805Z-52	ROCKW	A23903	CASE
A1805R-200	ROCKW	A1805V-516	ROCKW	A1805Z-520	ROCKW	A24122	CASE
A1805R-226	ROCKW	A1805V-516X	ROCKW	A1805Z-546	ROCKW	A24122	CASE
A1805R-278	ROCKW	A1805V-542	ROCKW	A1805Z-572	ROCKW	A245	SPICE
A1805R-304	ROCKW	A1805V-568	ROCKW	A1805Z-598	ROCKW	A2471	TMTR
A1805R-330	ROCKW	A1805V-620	ROCKW	A1805Z182	ROCKW	A249A	BR-WN
A1805R-356	ROCKW	A1805V-724	ROCKW	A18185	CASE	A25153	CASE
A1805R-408	ROCKW	A1805V-74	ROCKW	A187	SPICE	A25235	CASE
A1805R-538	ROCKW	A1805V334	ROCKW	A187	TRUK	A25244	CASE
A1805R-564	ROCKW	A1805W-101	ROCKW	A19284	OLIVE	A25407	CASE
A1805R-590	ROCKW	A1805W-127	ROCKW	A193983	IH	A25618	AMC
A1805R-616	ROCKW	A1805W-257	ROCKW	A19630	TIMKE	A256A	OLIVE
A1805R-694	ROCKW	A1805W-335	ROCKW	A1978	JAC	A25897	WHITE
A1805R-96	ROCKW	A1805W-413	ROCKW	A1ES17908	ROCKW	A26190	WHITE
A1805R382	ROCKW	A1805W-439	ROCKW	A1ES20065	ROCKW	A26190	WHITE
A1805S-123	ROCKW	A1805W-465	ROCKW	A1ES20065	ROCKW	A26191	WHITE
A1805S-149	ROCKW	A1805W-517	ROCKW	A1ES20179	ROCKW	A261997	GMC
A1805S-19	ROCKW	A1805W-543	ROCKW	A20288	CASE	A26207	WHITE
A1805S-220	ROCKW	A1805W-569	ROCKW	A205F-1019	ROCKW	A26365	WHITE
A1805S-227	ROCKW	A1805W-595	ROCKW	A205F-1023	ROCKW	A26409	US-EL
A1805S-253	ROCKW	A1805W-647	ROCKW	A205F-1029	ROCKW	A26410	US-EL
A1805S-279	ROCKW	A1805W-725	ROCKW	A205F-1029	ROCKW	A26500	WHITE
A1805S-305	ROCKW	A1805W153	ROCKW	A205F-1032	ROCKW	A265638	MASSE
A1805S-331	ROCKW	A1805X-104	ROCKW	A205F-1034	ROCKW	A26586	KOEI
A1805S-357	ROCKW	A1805X-128	KEN	A205F-1034	ROCKW	A265987	THEW
A1805S-383	ROCKW	A1805X-128	ROCKW	A205F-713	ROCKW	A265987	THEW
A1805S-409	ROCKW	A1805X-154	ROCKW	A205F-713	ROCKW	A26671	WHITE
A1805S-487	ROCKW	A1805X-206	ROCKW	A205F-841	ROCKW	A26758	CASE
A1805S-513	ROCKW	A1805X-232	ROCKW	A205F-847	ROCKW	A26759	CASE
A1805S-539	ROCKW	A1805X-258	ROCKW	A205F-847	ROCKW	A26760	CASE
A1805S-565	ROCKW	A1805X-260	ROCKW	A205F-863	ROCKW	A26770	CASE
A1805S-617	ROCKW	A1805X-284	ROCKW	A205F-886	ROCKW	A26777	CASE
A1805S-643	ROCKW	A1805X-286	ROCKW	A205F-911	ROCKW	A26778	CASE
A1805S-643	ROCKW	A1805X-336	ROCKW	A205F-911	ROCKW	A26842	CASE
A1805S-695	ROCKW	A1805X-337	ROCKW	A205F-939	ROCKW	A26849	CASE
A1805S-71	ROCKW	A1805X-362	ROCKW	A205F-960	ROCKW	A26862	CASE
A1805S-721	ROCKW	A1805X-518	ROCKW	A205F-969	ROCKW	A26870	THEW
A1805S175	ROCKW	A1805X-544	ROCKW	A205F-997	ROCKW	A26987	THEW
A1805T-124	ROCKW	A1805X648	ROCKW	A205P-1022	ROCKW	A26987	THEW
A1805T-20	ROCKW	A1805Y-103	ROCKW	A205P-1024	ROCKW	A27086	WHITE
A1805T-228	ROCKW	A1805Y-105	ROCKW	A206X	FMC	A27086	WHITE
A1805T-254	ROCKW	A1805Y-129	ROCKW	A2075	MINNM	A27130	CASE
A1805T-306	ROCKW	A1805Y-155	KEN	A207X	FMC	A272	COTTA
A1805T-358	ROCKW	A1805Y-155	ROCKW	A20939	CASE	A272	COTTA
A1805T-384	ROCKW	A1805Y-233	ROCKW	A212039	GMC	A27342	CASE
A1805T-410	ROCKW	A1805Y-233	ROCKW	A212040	GMC	A27355	CASE
A1805T-488	ROCKW	A1805Y-259	ROCKW	A21273	ROCKW	A27365	CASE

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A27415	CASE	415458!	A321783R91	IH	417602=	A405F-4	ROCKW	455583N!	A45538	TROS	1163=
A27464	CASE	455566	A32275X	WHITE	412920!	A4068128	BRWNG	471516!	A45542S	TROS	2443
A276919	NAPCO	450398	A32304	CASE	413247!	A4068771	BRWNG	470989	A45543S	TROS	2503
A276919	NAPCO	471267!	A32305	CASE	415984!	A4068797	BRWNG	471612	A45543S	TROS	2503N
A27701	WHITE	416738!	A32308	CASE	340849	A4068813	BRWNG	481397	A45544S	TROS	2551
A27701	WHITE	450096	A32419	CASE	J1103	A4068821	BRWNG	471612	A45545S	TROS	2669
A27705	CASE	417344!	A32583	WHITE	473213!	A4068839	BRWNG	481859	A45549S	TROS	1174
A27838	CASE	415458!	A3262C-133	ROCKW	HU009A	A4080388	BRWNG	473458!	A45549S	TROS	38X52X8.5!
A279A	OLIVE	472705!	A3262D-264	ROCKW	HU149A	A4107	TMTR	471264	A45553S	TROS	224015
A28	LAVIN	471652	A3262G-215	ROCKW	HU024A	A4179	CASE	471504!	A45556S	TROS	1181
A28096	THEW	472636!	A3262M-169	ROCKW	HU013A	A41814	CASE	471499	A45556S	TROS	41X56X7!
A28138	CASE	415397	A3262N-222	ROCKW	HU036A	A43103	THEW	416476!	A45557S	TROS	1167
A28164	WHITE	415988	A3262Q-277	ROCKW	HU065A	A43125	THEW	416239!	A45558S	TROS	1183
A28187	CASE	418028	A3262Q-407	ROCKW	H075	A43146	THEW	417602!	A45563S	TROS	1188
A28187	CASE	455137!	A32803	CASE	J1125	A4330	BLUE	472193!	A45564	TROS	1960
A28192	WHITE	470530!	A32807	CASE	417499	A447	JAC	471137!	A45565	TROS	1955
A282298	EATON	5M867	A331	VIC	16250	A45350	TROS	9015S	A45565	TROS	52X65X9!
A28238	CASE	473214	A332	VIC	16251	A45351	TROS	484058	A45570S	TROS	1195
A28317	CASE	471649!	A333	VIC	16252	A45352S	TROS	8597S	A45583S	TROS	1208
A28549	CASE	415458!	A334	VIC	16253	A45353S	TROS	473228	A45583S	TROS	48X72X7!
A287818	CASE	411245!	A334G	VIC	16254	A45357S	TROS	8429S	A45584S	TROS	1209
A28963	WHITE	474281!	A335	VIC	16255	A45358S	TROS	8549S	A45588	TROS	1213N
A29287EX	OLIVE	471766!	A336	VIC	16256	A45360S	TROS	472082	A45599	CASE	471765!
A293811	MASSE	415351!	A337	VIC	16257	A45363S	TROS	332062	A45605K	TROS	5405
A29424	CASE	473367!	A33734	CASE	471195!	A45364S	TROS	473445	A45612	TROS	5070
A29424	CASE	473367	A338	VIC	16258	A45365P	TROS	8460N	A45613K	TROS	5072
A296173	CHRYSL	417621!	A338542R91	IH	5302=	A45366S	TROS	8430S	A45645	TROS	5246
A29762	WHITE	471224!	A339	VIC	16259	A45369P	TROS	8460N	A45658K	TROS	5313
A2TZ7052A	FORD	410059	A340	VIC	16260	A45400	TROS	470712!	A45664K	TROS	5201
A2TZ7052A	FORD	470380!	A34009	TROS	HU009A	A45406S	TROS	473010!	A45701K	TROS	7512SSO
A30102	CASE	455134!	A341	VIC	16261	A45408S	TROS	1010=	A45703K	TROS	5403
A3018A	GAL	473228!	A342	VIC	16262	A45409S	TROS	471192	A45705K	TROS	5405
A3018A	HOUGH	473228!	A343	VIC	16263	A45410	TROS	1012	A45706K	TROS	5406
A3018A	OLIVE	473228!	A344	VIC	16264	A45410	TROS	1012N	A45708K	TROS	5408
A3019A	GAL	473228	A345	VIC	16265	A45411S	TROS	472492!	A45710K	TROS	5410
A3019A	HOUGH	473228	A346	VIC	16266	A45413	TROS	472164!	A45714K	TROS	5414
A3019A	OLIVE	473228	A34656	CASE	415150!	A45414	TROS	472258!	A45719K	TROS	5419
A3019B	OLIVE	472394	A347	VIC	16267	A45418S	TROS	1020	A45731K	TROS	5585
A30302	CASE	473426	A3517	CATER	473010!	A45420	TROS	471787!	A45752K	TROS	5452
A30323	CASE	472287!	A3517	TMTR	473010!	A45426	TROS	472299	A45753K	TROS	5453
A3035	GAL	471570!	A353	VIC	16216	A45428	TROS	471571	A45758K	TROS	5458
A3035	HOUGH	471570!	A35340	WHITE	473215!	A45431	TROS	330385!	A45760K	TROS	5460
A3035	OLIVE	471570!	A35372	WHITE	417316!	A45433	TROS	1035=	A45762K	TROS	5462
A30380	CASE	473466	A35414	WHITE	472234	A45435	TROS	1037	A45764K	TROS	370002A
A30501	CASE	472636!	A35585	THEW	55030	A45437	TROS	226020	A45765K	TROS	417506
A30527	CASE	471192	A356	VIC	16205	A45437	TROS	60X80X8!	A45767K	TROS	370019A
A30559	CASE	471766!	A356005R1	NAVST	421	A45438	TROS	1040=	A45768K	TROS	370005A
A30590	CASE	471529	A35650	WHITE	472164!	A45439S	TROS	1041	A45771K	TROS	370027A
A30600	CASE	471539!	A35652	WHITE	415025	A45443S	TROS	473238!	A45772K	TROS	5472=
A30606	CASE	471341!	A35848	WHITE	40566S	A45447S	TROS	1049	A45773K	TROS	5473
A30639	WHITE	412920!	A362X4	CASE	50199S!	A45458	TROS	224045	A45775K	TROS	417505
A30684	AMC	471255!	A362X4	CASE	6863S!	A45458	TROS	40X62X12!	A45775K	TROS	5475
A30721	DURA	473214!	A364X17	CASE	472354!	A45460	TROS	1062=	A45779K	TROS	5479
A3105	OLIVE	472157!	A364X3	BU-SP	330385!	A45463	TROS	470898	A45781K	TROS	370003A
A3105	OLIVE	472157	A36609	CASE	473467	A45466	TROS	2551	A45787K	TROS	5487
A3106	TMTR	323138!	A37147	CASE	412871!	A45468	TROS	1070=	A45788K	TROS	5589
A3107	AM CA	417316!	A37558	CASE	471281!	A45472	TROS	472164!	A45794K	TROS	5494
A31101	LEROI	450446	A37611	CASE	471192	A45475	TROS	1077=	A45795K	TROS	370006A
A3111	HOUGH	416271!	A37647	CASE	472350!	A45476	TROS	224040	A45798K	TROS	5499=
A3111	OLIVE	416271!	A380859	CHRYSL	41686S!	A45476	TROS	40X60X10!	A45800K	TROS	370003A
A31139	LEROI	473225!	A380861	CHRYSL	415645!	A45489	TROS	1091=	A45801K	TROS	370006A
A31171	LEROI	450803	A380861	CHRYSL	455104	A45492	TROS	1094=	A45807K	TROS	417506
A31178	CASE	471554!	A38231	CASE	412871!	A45495	TROS	1097N	A45807K	TROS	5089
A31179	LEROI	471554!	A383	TMTR	473442!	A45496	TROS	471224!	A45807K	TROS	5563
A31205V-542	ROCKW	5473\$	A3868AB	CASE	473215!	A45508	TROS	1110	A45810K	TROS	5092
A31228	CASE	473215!	A39110	CASE	472015=	A45513	TROS	416664!	A45813K	TROS	5072
A313903R91	IH	415227=	A39273	CASE	471341!	A45518	TROS	471195!	A45816K	TROS	5573
A31396	LEROI	471554	A39441	CASE	471442!	A45521	HYST	473226	A45817K	TROS	5576
A32015	CASE	415137!	A39453	CASE	472354!	A45534	TROS	222510	A45818K	TROS	5095
A32015	CASE	418028	A39666	CASE	473010!	A45534	TROS	25X35X7!	A45819K	TROS	5578
A321009R91	IH	5581=	A3994	CASE	415458!	A45537	TROS	227040	A45822K	TROS	5585
A321148R91	IH	5592=	A405F-2	ROCKW	55337	A45537	TROS	70X90X10!	A45823K	TROS	5072

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
A45824	TROS	5587	A46277	TROS	6180 =	A46531S	TROS	485497	A46808	TROS	370004A
A45825K	TROS	5589	A46281	TROS	470354	A46533	TROS	6703S	A46810S	TROS	473234!
A45826K	TROS	5591	A46300	TROS	473214	A46533S	TROS	6703S	A46811S	TROS	410059
A45828K	TROS	5596 =	A46303	TROS	6966S	A46534	TROS	470712	A46811S	TROS	470380!
A45829K	TROS	5095	A46304	TROS	410987 =	A46537	TROS	205004	A46815	TROS	9613S
A45905S	TROS	353135	A46307	TROS	6222	A46538S	TROS	473179	A46815S	TROS	9613S
A45905S	TROS	474278	A46310	TROS	471271!	A46547S	TROS	412473!	A46816S	TROS	473234
A45918	TROS	450666	A46317	TROS	6241S	A46548S	TROS	6754S =	A46818S	TROS	7044NA
A45922	TROS	5711	A46319	TROS	6245S =	A46549	TROS	416892	A46820S	TROS	3103!
A45932	TROS	5727	A46325	TROS	370008A	A46550S	TROS	6759S	A46821	TROS	472354!
A45937	TROS	472016	A46326S	TROS	6283S	A46551S	TROS	6760S	A46823	TROS	7107A =
A45948	TROS	5751	A46332	TROS	6312	A46553S	TROS	311189	A46825	TROS	7131
A45950	TROS	5756	A46335	TROS	6324S =	A46557S	TROS	417134	A46826S	TROS	200110
A45952	TROS	5759 =	A46336	TROS	493291	A46558	TROS	6781	A46829S	TROS	7154S
A45957	TROS	471141!	A46337	TROS	3210	A46560	TROS	6785	A46831S	TROS	418028
A45961	TROS	5778	A46338S	TROS	415284	A46562S	TROS	370001A	A46832S	TROS	7186S
A45974	TROS	473450!	A46341S	TROS	6336S	A46563S	TROS	471570!	A46833S	TROS	7188S
A45976	TROS	471316	A46342	TROS	473435	A46601S	TROS	471264!	A46834	TROS	5126
A45977	TROS	5797	A46344	TROS	450776!	A46602S	TROS	481443!	A46835	TROS	7216
A45981	TROS	414045!	A46349S	TROS	6357S	A46603	TROS	6808N	A46837S	TROS	471344
A45987	TROS	450307	A46350	TROS	6358	A46606	TROS	6815	A46838S	TROS	7235S
A45988	TROS	6064	A46353	TROS	473235	A46606S	TROS	6815	A46840	TROS	7245
A45992	TROS	470898	A46356S	TROS	6370N	A46607	TROS	6818	A46843	TROS	473235
A45998	TROS	472179	A46358	TROS	470774!	A46609S	TROS	473229	A46844	TROS	7338N
A46002	TROS	473228	A46361	TROS	6380	A46610S	TROS	6832S	A46844S	TROS	7338N
A46004	TROS	5836	A46401S	TROS	6402S =	A46611S	TROS	417506	A46846S	TROS	7354N
A46009	TROS	6064	A46405	TROS	471442!	A46612S	TROS	470954	A46847	TROS	370003A
A46016	TROS	471224	A46405S	TROS	471442!	A46613	TROS	6840S	A46848	TROS	370006A
A46020	TROS	5865	A46409	TROS	483054N	A46615	TROS	7600S	A46849S	TROS	415302
A46025	TROS	5871	A46413	TROS	472354!	A46619S	TROS	6846S =	A46850S	TROS	7381S
A46026S	TROS	472258	A46414	TROS	417267	A46620S	TROS	6847S	A46853S	TROS	321460
A46029	TROS	455280	A46415	TROS	473228	A46626S	TROS	6855N =	A46855S	TROS	9376
A46031	TROS	5877	A46421S	TROS	417349!	A46627S	TROS	410496!	A46856S	TROS	474260
A46049	TROS	473228	A46429	TROS	370002A	A46628S	TROS	471267!	A46857S	TROS	7399S!
A46052	TROS	200354	A46434	TROS	6465	A46629S	TROS	417210!	A46858S	TROS	7412S
A46052S	TROS	200354	A46437	TROS	6465	A46630S	TROS	6863S!	A46861S	TROS	370015A
A46054	TROS	5921	A46441	TROS	417223	A46631	TROS	417505	A46862R	TROS	7442H
A46055	TROS	455151	A46447S	TROS	455566	A46633S	TROS	370005A	A46863S	TROS	370019A
A46057	TROS	5924	A46450	TROS	471829	A46634S	TROS	370027A	A46864S	TROS	370021A
A46070	TROS	5951	A46453	TROS	6356	A46635S	TROS	417254	A46865S	TROS	370005A
A46071S	TROS	5957S	A46454	TROS	472015!	A46636S	TROS	473234!	A46866S	TROS	7456N
A46073	TROS	370036A	A46458	TROS	6513	A46637S	TROS	471827	A46867	TROS	7457N
A46073	TROS	370349A	A46460	TROS	410708	A46638S	TROS	473367!	A46867S	TROS	7457N
A46073	TROS	380036A	A46461	TROS	6522S	A46638S	TROS	473367	A46868S	TROS	473237
A46074	TROS	5965	A46466	TROS	6532S =	A46639R	TROS	470898!	A46869	TROS	7994S
A46076	TROS	203034	A46468	TROS	480630	A46640S	TROS	473235!	A46870S	TROS	473214!
A46077	TROS	5971	A46469	TROS	6547	A46646	TROS	6886S	A46872S	TROS	34280S
A46079	TROS	5976S	A46474S	TROS	415449!	A46647S	TROS	415449!	A46875S	TROS	3095
A46079S	TROS	7840S	A46475	TROS	455134	A46648	TROS	6897 =	A46876R	TROS	415449
A46081	TROS	471526!	A46477	TROS	416888!	A46650S	TROS	6906S	A46877	TROS	7607
A46088	TROS	470625!	A46478	TROS	6575S	A46657	TROS	6930	A46878S	TROS	9150S
A46214	TROS	415437	A46481	TROS	418028	A46658	TROS	9568	A46879S	TROS	7700S!
A46222	TROS	415899N	A46483S	TROS	6590S	A46659S	TROS	471141	A46882	TROS	5113
A46222	TROS	416624	A46485S	TROS	6592S =	A46661S	TROS	7686S	A46882	TROS	7721!
A46234	TROS	6064	A46488S	TROS	6597S	A46662S	TROS	6952S =	A46883S	TROS	471652
A46235	TROS	413478	A46501S	TROS	6612S	A46663	TROS	44052	A46884R	TROS	7751H
A46238	TROS	6074	A46509S	TROS	370030A	A46664	TROS	6954S	A46886S	TROS	473231!
A46240	TROS	6077	A46510S	TROS	6636S	A46664S	TROS	6954S	A46890S	TROS	6241S
A46242	TROS	412871!	A46514	TROS	471267!	A46665	TROS	44053	A46891	TROS	7780
A46243	TROS	473473	A46515S	TROS	6643S	A46666	TROS	6960	A46892S	TROS	471750!
A46244	TROS	353141!	A46516	TROS	6644	A46668S	TROS	3103!	A46893S	TROS	350936
A46247	TROS	6090S	A46517S	TROS	9613S	A46670	TROS	6966S	A46894P	TROS	471193
A46248	TROS	471442!	A46518S	TROS	470954!	A46671	TROS	203008	A46895S	TROS	473228!
A46250	TROS	6098 =	A46519	TROS	6649	A46672	TROS	6985	A46896	TROS	472164
A46251	TROS	6101	A46521S	TROS	473234!	A46673R	TROS	473459	A46897S	TROS	7840S
A46254	TROS	7107A =	A46524	TROS	6663S	A46675S	TROS	474278	A46899S	TROS	370007A
A46257	TROS	473463	A46525S	TROS	6668S	A46675S	TROS	6859S	A46900S	TROS	7886S
A46258	TROS	410708	A46528	TROS	471413!	A46800S	TROS	370006A	A46901S	TROS	471821!
A46260	TROS	470954	A46530S	TROS	470605!	A46801S	TROS	7013S	A46902S	TROS	7929S
A46261	TROS	6127	A46531	TROS	417355!	A46802S	TROS	7014S	A46903	TROS	7934S
A46272	TROS	472924	A46531	TROS	485497	A46803R	TROS	7018N =	A46904S	TROS	473473
A46273	TROS	452222!	A46531S	TROS	417355!	A46806S	TROS	473317	A46905S	TROS	353135

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
A46905S	TROS	474278	A49006S	TROS	415995!	A51039	TROS	415991	A52071	TROS	417171!
A46906S	TROS	7896S	A49010	TROS	476470	A51039	TROS	415991!	A52072	TROS	417181!
A46908S	TROS	7399S!	A49011	TROS	415023	A51041	TROS	417191	A52073	TROS	412473!
A47002S	TROS	8059S	A49014	TROS	415036	A511	VIC	16305	A52076	TROS	416706
A47004	TROS	8610	A49015	TROS	416891!	A512	VIC	16307	A52078	TROS	416706
A47005	TROS	8121S	A49017S	TROS	416271!	A51748	FAIRB	471787!	A52079	TROS	417484!
A47005S	TROS	8121S	A49018	TROS	415449!	A51749	GMC	410102	A52081S	TROS	417159
A47006S	TROS	8133S	A49019	TROS	417343!	A51765	FAIRB	473205	A52082S	TROS	475348N
A47007	TROS	8139	A49021	TROS	417351!	A51948	CASE	473490	A52086	TROS	410825
A47009	TROS	8168 =	A49023S	TROS	415379	A51977	TROS	473238!	A52087	TROS	415437
A47010	TROS	472070	A49024	TROS	417205!	A51994	GMC	415021	A52091	TROS	416394
A47011	TROS	8243	A49026S	TROS	415192N	A52000	TROS	471466!	A52094	TROS	8996S =
A47012	TROS	8724S	A49027	TROS	416556!	A52001	TROS	471554!	A52236	TROS	417488!
A47013S	TROS	8293S	A49027	TROS	472157	A52002	TROS	473215!	A5257	CATER	5751
A47015S	TROS	8370S	A49029S	TROS	416154!	A52003	TROS	470380!	A5257	TMTR	5751
A47016S	TROS	8421S	A49030	TROS	417247!	A52005	TROS	473367!	A5287	TW-DI	415027
A48002	TROS	471526!	A49030S	TROS	417247!	A52006	TROS	473228!	A5287	TW-DI	415027!
A48004	TROS	471750!	A49032S	TROS	416706!	A52007	TROS	473228!	A53002	TROS	471472 =
A48005	TROS	473215!	A49033S	TROS	417349!	A52008	TROS	472185!	A53003	TROS	471264
A48006	TROS	410059	A49034	TROS	415991	A52009	TROS	471466!	A53008	TROS	471554
A48006	TROS	470380!	A49034S	TROS	415991	A52010	TROS	472924!	A53011	TROS	473213!
A48006S	TROS	410059	A49035S	TROS	415379	A52012	TROS	470530!	A53012	TROS	43089S
A48006S	TROS	470380!	A49036	TROS	417492	A52014	TROS	411253!	A53013	TROS	40059S
A48008	TROS	474264	A49039	TROS	415656	A52015	TROS	412119	A53015	TROS	7886S
A48011	TROS	473228!	A49040S	TROS	418028	A52016	TROS	471192	A53016	TROS	471821!
A48012	TROS	472185!	A49042S	TROS	415899N	A52019S	TROS	471766!	A53019	TROS	472185!
A48013S	TROS	472439	A49042S	TROS	416624	A52022S	TROS	472179	A53020	TROS	40071S
A48014	TROS	472924!	A50065	CASE	471821 =	A52023	TROS	473179!	A53022	TROS	40085S
A48016	TROS	470530!	A50085	CASE	470898	A52024	TROS	472394	A53023	TROS	40094S
A48018	TROS	473464	A50097	CASE	415995!	A52025	TROS	472397!	A53024	TROS	40097S
A48020	TROS	412119!	A5013	DANMA	417487	A52027	TROS	410308	A53025	TROS	40101S
A48022	TROS	473467!	A50252	CASE	476535N =	A52029S	TROS	472636!	A53028	TROS	42421S
A48023	TROS	471224!	A50257	TROS	5462	A52030	TROS	472164!	A53029	TROS	240119
A48024S	TROS	472409!	A50420	CASE	476535	A52031	TROS	473448	A53030	TROS	471224
A48025	TROS	472826!	A50422	CASE	417344!	A52032	TROS	470898	A53032	TROS	471413
A48026	TROS	412920!	A50423	CASE	471689!	A52034	TROS	472492!	A53032S	TROS	471413
A48027	TROS	471192	A50424	CASE	470898	A52035	TROS	473227!	A53033	TROS	470954
A48028S	TROS	470625!	A50425	CASE	473228 =	A52037	TROS	471271!	A53040	TROS	471760
A48029	TROS	470954!	A505	VIC	16300	A52039S	TROS	470565!	A53041	TROS	471763
A48031	TROS	472287!	A50594	TROS	472258	A52040	TROS	450666	A53045	TROS	40169S
A48035	TROS	471763	A506	VIC	16301	A52042	TROS	415001!	A53046	TROS	40183S!
A48036	TROS	471765!	A50626	FAIRB	471567!	A52043	TROS	415458!	A53047	TROS	471571
A48037S	TROS	471766!	A507	VIC	16302	A52044	TROS	417316!	A53048	TROS	40185
A48038	TROS	471801!	A508	VIC	16303	A52044S	TROS	417316!	A53055	TROS	40208
A48039S	TROS	473016!	A509	VIC	16306	A52046	TROS	415960	A53058	TROS	471647
A48042	TROS	472179	A50981	FAIRB	471766!	A52047	TROS	416921!	A53061	TROS	471689
A48045	TROS	471649!	A50981A	FAIRB	471766!	A52048S	TROS	416654	A53063	TROS	471787
A48047	TROS	470712!	A510	VIC	16304	A52049S	TROS	415995!	A53064	TROS	40286
A48049	TROS	473466	A51000	TROS	471264!	A52049S	TROS	415995!	A53066	TROS	40301S
A48051	TROS	473235!	A51002	TROS	473215!	A52050S	TROS	416288	A53067	TROS	40316S
A48055S	TROS	410308!	A51003	TROS	470380!	A52052S	TROS	476470	A53068	TROS	240319
A48056	TROS	471391!	A51004	TROS	473228!	A52052S	TROS	476470!	A53070	TROS	40328
A48057	TROS	473245!	A51007S	TROS	470334!	A52054	TROS	415035	A53072	TROS	40337S
A48058	TROS	472636!	A51010	TROS	470530!	A52055	TROS	415371	A53076	TROS	40410S
A48059	TROS	412040	A51012	TROS	471192	A52057	TROS	416865!	A53077	TROS	40369S
A48061	TROS	472164!	A51013	TROS	470954!	A52057S	TROS	416865!	A53078	TROS	40370S
A48067S	TROS	410496!	A51014	TROS	473460	A52058	TROS	416476!	A53081	TROS	474276
A48069	TROS	471689!	A51015	TROS	471760	A52059	TROS	416239!	A53084	TROS	40389S
A48072S	TROS	471442!	A51016	TROS	471763	A52061S	TROS	416271!	A53085	TROS	472354!
A48074S	TROS	471827!	A51017	TROS	471765!	A52062	TROS	416282	A53086	TROS	417267
A48076S	TROS	410708	A51019	TROS	472397!	A52062S	TROS	416282	A53087	TROS	42352S
A48077S	TROS	471984	A51021	TROS	472258!	A52063S	TROS	417563	A53088S	TROS	40401
A48078	TROS	471829	A51023	TROS	471267!	A52064	TROS	417602!	A53089	TROS	42763
A48081S	TROS	471344	A51026	TROS	417316!	A52066	TROS	415137!	A53091	TROS	40410S
A48085S	TROS	476470!	A51027	TROS	416921!	A52066	TROS	418028	A53092	TROS	351487
A48085S	TROS	476470	A51028	HENRY	42352S	A52066S	TROS	415137!	A53093S	TROS	40433S
A49001	TROS	415458!	A51031	TROS	415072	A52066S	TROS	418028	A53095	TROS	40438S
A49002	TROS	417316!	A51032	HENRY	40401	A52067S	TROS	415146!	A53097	TROS	40468
A49003	TROS	417344!	A51033	TROS	416229	A52067S	TROS	415991	A53098	TROS	40494S
A49004	TROS	415960	A51035S	TROS	415449!	A52068	TROS	415449!	A53100	TROS	442380
A49004S	TROS	415960!	A51036	TROS	417621!	A52069	TROS	417343!	A53101	TROS	40520S
A49006	TROS	415995!	A51037	TROS	417181!	A52070	TROS	5578	A53103	TROS	40526S

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
A53104S	TROS	40555	A54049	TROS	473428	A54114	TROS
A53104S	TROS	40555S!	A54050	TROS	473426	A54116	TROS
A53105	TROS	471821!	A54051	TROS	450048	A54118	TROS
A53106	TROS	40566S	A54052	TROS	471750!	A54120	TROS
A53107	TROS	40568S	A54053	TROS	470050	A54123	TROS
A53108	TROS	40576S	A54054	TROS	473427	A54125	TROS
A53112	TROS	40627S=	A54055	TROS	471354!	A54126	TROS
A53113	TROS	481537	A54055S	TROS	471354!	A54126S	TROS
A53116	TROS	471737=	A54056	TROS	473213!	A54127	TROS
A53119	TROS	40769S	A54057	TROS	450054	A54128	TROS
A53121S	TROS	6815	A54058	TROS	473215!	A54128S	TROS
A53122	TROS	340787	A54058S	TROS	473215!	A54130	TROS
A53126	TROS	40973S	A54060	TROS	473225!	A54132	TROS
A53128	TROS	41013S	A54061	TROS	473438	A54132S	TROS
A53131	TROS	41075S	A54062	TROS	470059	A54133	TROS
A53136P	TROS	416071	A54062	TROS	470380!	A54134	TROS
A53138	TROS	46997S	A54062S	TROS	470059	A54135	TROS
A53139	TROS	43086S	A54062S	TROS	470380!	A54136	TROS
A53140S	TROS	45013S	A54066	TROS	470950!	A54138S	TROS
A53145	TROS	45187S	A54066	TROS	6241S	A54138S	TROS
A53147	TROS	45031S	A54067	TROS	474264	A54139	TROS
A53150	TROS	45653S	A54068	TROS	471820	A54141	TROS
A53151	TROS	45825S	A54069	TROS	471821!	A54142	TROS
A53152	TROS	45827S	A54070	TROS	473232!	A54142S	TROS
A53153S	TROS	472179	A54071	TROS	473367!	A54143	TROS
A53155S	TROS	40494S	A54071	TROS	473367	A54143S	TROS
A53156S	TROS	473445	A54071S	TROS	473367!	A54144	TROS
A53159	TROS	45525S	A54071S	TROS	473367	A54145	TROS
A54002	TROS	474277	A54072	TROS	473228	A54145S	TROS
A54003	TROS	470004!	A54072S	TROS	473228	A54146	TROS
A54005S	TROS	471530	A54073	TROS	450068	A54150	TROS
A54006	TROS	471281!	A54074	TROS	473232	A54151	TROS
A54007	TROS	471532	A54075	TROS	472185!	A54152	TROS
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A54008	TROS	471466!	A54077	TROS	472439	A54155	TROS
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A54016	TROS	473405	A54082	TROS	470334!	A54162	TROS
A54016S	TROS	473405	A54083	TROS	474281!	A54163	TROS
A54018	TROS	471549!	A54084	TROS	473444	A54164	TROS
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A54022	TROS	471255!	A54087	TROS	50081	A54166	TROS
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A54040	TROS	450039	A54105	TROS	413469!	A54188	TROS
A54041	TROS	450040	A54106	TROS	412943	A54190	TROS
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A54253	TROS	470712!	A54253S	TROS	470712!	A54253S	TROS
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A54268	TROS	50254=	A54269S	TROS	473439!	A54269S	TROS
A54269S	TROS	473439!	A54272	TROS	482253	A54272	TROS
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A54273	TROS	450260	A54274S	TROS	473466	A54274S	TROS
A54274S	TROS	473466	A54275	TROS	470682	A54275	TROS
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A54276	TROS	451469	A54278	TROS	473235!	A54278	TROS
A54278	TROS	473235!	A54279	TROS	50266	A54279	TROS
A54279	TROS	50266	A54280	TROS	472070	A54280	TROS
A54280	TROS	472070	A54281	TROS	473451!	A54281	TROS
A54281	TROS	473451!	A54282	TROS	450269	A54282	TROS
A54282	TROS	450269	A54283	TROS	471866!	A54283	TROS
A54283	TROS	471866!					

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
A54285	TROS	471868	A54363	TROS	473448	A54450S	TROS	450482	A54529S	TROS	471224!
A54286	TROS	450273	A54364	TROS	471870!	A54452	TROS	411330!	A54531	TROS	450621
A54287	TROS	450274	A54365	TROS	472193!	A54455	TROS	470487!	A54532	TROS	470625!
A54288	TROS	450275	A54366	TROS	450362	A54457	TROS	473244	A54533S	TROS	413248
A54291	TROS	450279	A54368	TROS	350364	A54458	TROS	50490 =	A54534	TROS	473420
A54292	TROS	471866!	A54369	TROS	470898	A54459	TROS	480491	A54536	TROS	50631
A54293	TROS	473179!	A54374	TROS	451948	A54460	TROS	450492	A54537	TROS	471276
A54295	TROS	473179!	A54375	TROS	411500	A54462	TROS	472164!	A54538S	TROS	472475
A54297	TROS	450285	A54376	TROS	6936S	A54463	TROS	410496!	A54540	TROS	450639
A54298	TROS	474274	A54378	TROS	471652	A54464	TROS	450497 =	A54542	TROS	470645
A54301	TROS	470334!	A54379	TROS	474276!	A54465	TROS	50501	A54543	TROS	481073
A54301	TROS	50289	A54380	TROS	330385!	A54467	TROS	50501	A54544	TROS	471766!
A54302	TROS	471141!	A54382	TROS	472492!	A54468	TROS	474260	A54545	TROS	450655 =
A54302S	TROS	471141!	A54384	TROS	473407	A54470	TROS	450503 =	A54546	TROS	470954!
A54304	TROS	473453	A54385	TROS	473227	A54471	TROS	472843	A54547S	TROS	471570!
A54306	TROS	472144!	A54385S	TROS	473227	A54471S	TROS	472843	A54548S	TROS	472020
A54309	TROS	473239	A54386	TROS	472354!	A54473	TROS	470506!	A54549	TROS	471737
A54311	TROS	472394	A54388	TROS	450398	A54478	TROS	50514	A54550	TROS	410737!
A54311S	TROS	472394	A54388	TROS	471267!	A54479	TROS	470515	A54552	TROS	474279N
A54312	TROS	472397!	A54389	TROS	450400	A54480	TROS	450516	A54553S	TROS	472018
A54312S	TROS	472397!	A54390	TROS	352541	A54481	TROS	471271!	A54554	TROS	471984
A54313	TROS	472012	A54391	TROS	50402	A54483	TROS	471272!	A54555	TROS	473240!
A54313S	TROS	472012	A54392	TROS	470774!	A54483S	TROS	471272!	A54557	TROS	410737!
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A54314S	TROS	472015!	A54394	TROS	50405	A54484S	TROS	473423	A54559	TROS	471316
A54315	TROS	473457!	A54396	TROS	470409!	A54485	TROS	472258!	A54561	TROS	470764!
A54317	TROS	473461!	A54396	TROS	50409	A54485S	TROS	472258!	A54561	TROS	50764
A54318	TROS	450307	A54397	TROS	471424!	A54486	TROS	450523	A54562	TROS	450776!
A54319	TROS	410308!	A54399	TROS	450412	A54487S	TROS	410524	A54563A	FRUEH	370036A
A54319S	TROS	410308!	A54400	TROS	353132	A54488	TROS	471887	A54563A	FRUEH	370349A
A54320	TROS	471391!	A54401	TROS	472311!	A54489	TROS	474276!	A54564	TROS	471633!
A54321	TROS	473242	A54402	TROS	450415	A54489S	TROS	474276!	A54565	TROS	471195!
A54322	TROS	450311	A54403	TROS	473442!	A54490	TROS	50528	A54566S	TROS	471466!
A54323	TROS	472016	A54404	TROS	50419	A54491	TROS	450984	A54567	TROS	50798
A54324	TROS	450313	A54406	TROS	450765!	A54492	TROS	470530!	A54568	TROS	480889
A54325	TROS	473243	A54408	TROS	471730	A54493	TROS	450532	A54569	TROS	450803
A54325S	TROS	473243	A54410	TROS	450430	A54494	TROS	450533	A54570S	TROS	470806
A54326	TROS	473245!	A54411S	TROS	471539!	A54496	TROS	450535	A54572	TROS	450808
A54327	TROS	472636!	A54412	TROS	471138!	A54496	TROS	471264!	A54576S	TROS	473380
A54328	TROS	411394!	A54414	TROS	350435	A54497	TROS	450536	A54577	TROS	450819
A54330	TROS	481163!	A54417	TROS	471341!	A54497	TROS	471535!	A54578S	TROS	473454
A54331	TROS	473475	A54417S	TROS	471341!	A54499S	TROS	414268!	A54580S	TROS	470898
A54332	TROS	412040	A54419	TROS	471835!	A54500	TROS	450540	A54581	TROS	473203
A54332S	TROS	412040	A54419S	TROS	471835!	A54501	TROS	471689!	A54582	TROS	450869
A54333	TROS	472029	A54420	TROS	50445	A54502	TROS	474272	A54584	TROS	50883 =
A54334	TROS	413478	A54421	TROS	450446	A54503	TROS	450545	A54588	TROS	413479
A54336	TROS	450326	A54423	TROS	471270!	A54504	TROS	470625!	A54589S	TROS	450908 =
A54337	TROS	50327	A54423S	TROS	471270!	A54505	TROS	472150	A54590S	TROS	450911N!
A54338	TROS	470328	A54424	TROS	480630!	A54506	TROS	470565!	A54591	TROS	473237!
A54338	TROS	481213!	A54425	TROS	473197	A54506S	TROS	470565!	A54594S	TROS	471736
A54339	TROS	412871!	A54426	TROS	473224!	A54507	TROS	450533	A54599S	TROS	471564
A54340	TROS	470605!	A54428	TROS	472319	A54507	TROS	471224!	A54602	TROS	410987!
A54342	TROS	450332	A54429	TROS	450456!	A54507S	TROS	450533	A54603	TROS	473474
A54343	TROS	470334!	A54430S	TROS	450457	A54507S	TROS	471224!	A54604S	TROS	480630!
A54344	TROS	450335	A54432	TROS	473440!	A54509	TROS	471808!	A54605	TROS	474256
A54345	TROS	474255	A54433	TROS	50462	A54510	TROS	50560	A54608	TROS	472185!
A54346	TROS	450339	A54434	TROS	450463	A54511	TROS	471267!	A54611	TROS	471653!
A54347	TROS	450340	A54438	TROS	450467	A54511S	TROS	471267!	A54614S	TROS	51032S
A54348	TROS	450341	A54439	TROS	50468	A54513	TROS	472258!	A54615	TROS	51039
A54349	TROS	450343	A54440	TROS	481537	A54514	TROS	412027	A54616	TROS	481792
A54350	TROS	473425	A54441	TROS	472810!	A54515	TROS	413246	A54617S	TROS	471571
A54351	TROS	50345 =	A54441S	TROS	472810!	A54516	TROS	471498	A54618S	TROS	481073
A54352	TROS	474254	A54442	TROS	450472!	A54518	TROS	450588	A54620P	TROS	451078!
A54354	TROS	413247!	A54443	TROS	450474	A54519S	TROS	471729	A54621	TROS	471413!
A54355	TROS	471504!	A54444	TROS	471344	A54520	TROS	474253	A54622S	TROS	472213
A54355S	TROS	471504!	A54444S	TROS	471344	A54521	TROS	450593!	A54624	TROS	473228
A54356	TROS	472164!	A54446	TROS	50478	A54523	TROS	470596	A54625	TROS	471652
A54358	TROS	470354	A54447	TROS	473445	A54523S	TROS	470596	A54625S	TROS	471652
A54359	TROS	471538!	A54448	TROS	323138!	A54525	TROS	450604	A54626	TROS	410825
A54360	TROS	474278	A54448S	TROS	323138!	A54525S	TROS	450604	A54628	TROS	471707N
A54362	TROS	473231	A54449	TROS	471818	A54526	TROS	470606!	A54629	TROS	451082
A54362S	TROS	473231	A54450	TROS	450482	A54528	TROS	470390	A54630	TROS	451182

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
A54631	TROS	480210!	A56054	TROS	417525	A56120	TROS	417598	A56181S	TROS	455189
A54635	TROS	51322	A56055	TROS	416892	A56121	TROS	455406!	A56182	TROS	455191
A54636	TROS	411348!	A56056	TROS	417533	A56122	TROS	455121	A56183	TROS	417357
A54637	TROS	484054	A56057	TROS	415371	A56123	TROS	417602!	A56183	TROS	455192!
A54638	TROS	451583!	A56059	TROS	415138!	A56124	TROS	455123	A56184	TROS	55193=
A54639S	TROS	471649!	A56060	TROS	417223	A56125	TROS	415124	A56185	TROS	455194
A55077	AMC	470059	A56063	TROS	455056	A56126	TROS	417022	A56186	TROS	472157!
A55077	AMC	470380!	A56064	TROS	417516	A56127	TROS	417604	A56186	TROS	472157
A55432	CASE	415449!	A56065	TROS	415058	A56128	TROS	417567	A56186S	TROS	472157
A55446	CASE	472185!	A56066	TROS	417238	A56129S	TROS	415128	A56186S	TROS	472157!
A55599	US-EL	450068	A56067	TROS	370019A	A56130S	TROS	455129	A56187	TROS	415196!
A55663	CASE	473234!	A56068	TROS	415351!	A56131	TROS	417474	A56187S	TROS	415196!
A55755	CASE	470774!	A56069	TROS	370021A	A56132	TROS	455134!	A56188	TROS	455197N
A55817	CASE	470565=	A56070	TROS	457585	A56133	TROS	455136	A56189	TROS	415196!
A55832	CASE	471870!	A56071	TROS	370021A	A56134	TROS	418028	A56190	TROS	416888!
A55855	CASE	471224!	A56072	TROS	417536	A56134S	TROS	418028	A56191	TROS	417509
A56003	TROS	417073	A56073	TROS	415066	A56135	TROS	417554!	A56192	TROS	455203
A56004	TROS	415001!	A56074	TROS	456890	A56136	TROS	55141	A56193	TROS	417515
A56005	TROS	415988	A56075	TROS	417269!	A56137	TROS	415142	A56194	TROS	416137
A56006	TROS	415458!	A56076	TROS	417273	A56138	TROS	455144	A56195	TROS	416144
A56006P	TROS	415458!	A56077	TROS	416865	A56139	TROS	417172	A56196	TROS	416149
A56008	TROS	417316!	A56077S	TROS	416865!	A56140	TROS	415991	A56197	TROS	417526
A56009	TROS	455005	A56078	TROS	417546!	A56140	TROS	455146!	A56198	TROS	416154!
A56010	TROS	417344!	A56078S	TROS	417546!	A56140S	TROS	415991	A56198S	TROS	416154!
A56010S	TROS	417344!	A56079	TROS	415072	A56140S	TROS	455146!	A56199	TROS	417534
A56011	TROS	415007	A56079S	TROS	415072	A56141	TROS	415449!	A56200	TROS	416158
A56013	TROS	455008	A56080	TROS	416107!	A56141S	TROS	415449!	A56201	TROS	417535
A56014	TROS	415960	A56080	TROS	455073	A56142	TROS	417366!	A56202	TROS	417247!
A56015	TROS	417485	A56080S	TROS	416107!	A56143	TROS	417343!	A56203	TROS	416163
A56016	TROS	416921!	A56080S	TROS	455073	A56144	TROS	415150!	A56204	TROS	417539!
A56017	TROS	416654!	A56081	TROS	415074	A56145	TROS	455151	A56205	TROS	417267
A56018	TROS	415995!	A56082	TROS	416476!	A56146	TROS	417134	A56206	TROS	55218=
A56018S	TROS	415995!	A56083	TROS	415076	A56147	TROS	417486	A56207	TROS	415219
A56020	TROS	417487	A56084	TROS	415077	A56148	TROS	417351!	A56207S	TROS	415219
A56021	TROS	455015	A56085	TROS	455079!	A56149	TROS	55155=	A56208	TROS	415871
A56022	TROS	416288	A56086S	TROS	455079!	A56150	TROS	417621!	A56209	TROS	417606
A56022S	TROS	416288!	A56087	TROS	455080	A56150S	TROS	417621!	A56210	TROS	55222=
A56023	TROS	456105	A56088	TROS	415082	A56151	TROS	416292	A56211	TROS	55223=
A56024	TROS	476470	A56090	TROS	416239!	A56152S	TROS	417488!	A56212	TROS	55224=
A56025	TROS	455019!	A56091	TROS	415085!	A56153	TROS	417171!	A56213	TROS	417020
A56026	TROS	455020	A56091	TROS	456648	A56154	TROS	417490	A56214	TROS	417570
A56027	TROS	415021	A56092	TROS	417487	A56155	TROS	417181!	A56215	TROS	415227!
A56028	TROS	370012A	A56093	TROS	55087=	A56156S	TROS	417491	A56216	TROS	55228=
A56029	TROS	415023	A56094S	TROS	415088	A56157	TROS	412473!	A56217	TROS	415482
A56030	TROS	455024	A56094S	TROS	415088!	A56158	TROS	417191	A56219S	TROS	416153!
A56031	TROS	415025	A56095	TROS	415090	A56158	TROS	455165!	A56220	TROS	417538
A56032	TROS	455026	A56096	TROS	416167!	A56159	TROS	417492	A56221	TROS	415234!
A56033	TROS	415027	A56096S	TROS	416167!	A56160	TROS	417354!	A56222	TROS	55236
A56033S	TROS	415027	A56097	TROS	417596	A56161	TROS	417493	A56223	TROS	55238
A56034	TROS	55028	A56098	TROS	411376!	A56162	TROS	417196!	A56224	TROS	55239=
A56035	TROS	370011A	A56098S	TROS	411376!	A56163	TROS	415711	A56225	TROS	55242
A56036	TROS	55030	A56099	TROS	416444	A56164	TROS	416332!	A56226	TROS	417481
A56037	TROS	416339	A56101	TROS	416271!	A56164S	TROS	416332!	A56229	TROS	417540
A56037	TROS	455031!	A56101S	TROS	416271!	A56165	TROS	415437!	A56230	TROS	412861
A56038	TROS	455032!	A56102	TROS	411245!	A56165	TROS	415437	A56231	TROS	455249!
A56039	TROS	416345!	A56103	TROS	415302	A56166	TROS	417497	A56232	TROS	415303!
A56039	TROS	455033	A56104	TROS	416282	A56167	TROS	415937!	A56233S	TROS	455251H
A56040	TROS	415034!	A56105	TROS	417547	A56168	TROS	417501	A56235	TROS	455253
A56041	TROS	415035	A56106	TROS	415938	A56169	TROS	415379	A56236	TROS	415254
A56041S	TROS	415035	A56107	TROS	417556	A56169	TROS	415379!	A56237	TROS	417198
A56042	TROS	415036	A56108	TROS	416666	A56170	TROS	455178=	A56239	TROS	417252
A56042S	TROS	415036	A56109	TROS	457874	A56171	TROS	417210!	A56240	TROS	415259!
A56043	TROS	455037	A56110	TROS	417562	A56172	TROS	417498	A56241	TROS	455260
A56044	TROS	417512	A56111	TROS	417563	A56173	TROS	417355!	A56243	TROS	417496
A56045	TROS	417513	A56112	TROS	416229	A56175	TROS	417205!	A56244	TROS	415263
A56046	TROS	416891!	A56113	TROS	417298	A56176	TROS	417504	A56244S	TROS	415263
A56047	TROS	415041	A56114	TROS	455310	A56177	TROS	417211!	A56245	TROS	415867
A56049	TROS	415043	A56115	TROS	455584	A56177S	TROS	417211!	A56246	TROS	416865!
A56050	TROS	417514	A56116	TROS	416077	A56178	TROS	417967!	A56248	TROS	455267
A56051	TROS	415045!	A56117	TROS	415116	A56179	TROS	415187	A56249	TROS	55268
A56052	TROS	417520	A56118	TROS	455117	A56180	TROS	417356!	A56250	TROS	417502
A56053	TROS	415047	A56119	TROS	415551	A56180	TROS	455188	A56251S	TROS	417605

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A56252	TROS	415725!	A56331S	TROS	415483!	A56416S	TROS	415697!	A57708	CASE	472164!
A56252S	TROS	415725!	A56332	TROS	416273!	A56416S	TROS	455547	A58223	CASE	471271!
A56253	TROS	416706!	A56333	TROS	417537	A56417	TROS	55548	A58428	CASE	472878
A56253S	TROS	416706!	A56334S	TROS	415371	A56419	TROS	455556	A5861AB	CASE	474264
A56254	TROS	417254	A56335	TROS	455375=	A56421S	TROS	417780	A59046	CASE	416043
A56256	TROS	55276=	A56336	TROS	417541	A56422	TROS	415559	A59134	TROS	41257!
A56258	TROS	455280	A56337	TROS	415284	A56425	TROS	417433	A59401K	TROS	5320=
A56259	TROS	417349	A56337S	TROS	415284	A56426	TROS	455566	A59760S	TROS	335924N
A56261	TROS	416364!	A56338	TROS	415379!	A56426S	TROS	455566	A598417	NEHO	370023A
A56261S	TROS	416364!	A56338	TROS	415379	A56430S	TROS	417506	A598417	SPERY	370023A
A56263	TROS	416865	A56338S	TROS	415379	A56431S	TROS	455576!	A59861S	TROS	480821!
A56264	TROS	417602!	A56338S	TROS	415379	A56432	TROS	415577	A60003E	GMC	471643!
A56267	TROS	455290	A56339	TROS	410825	A56434	TROS	370023A	A60003F	GMC	471643!
A56268	TROS	455292=	A56342	TROS	416956	A56435	TROS	455583N!	A600B-202	CONTI	410737!
A56269	TROS	417584	A56342S	TROS	416956	A56438S	TROS	455592	A600L-202	CASE	473467!
A56270	TROS	415294!	A56343	TROS	475384	A56440	TROS	416070	A600L-202	CONTI	473467!
A56270S	TROS	415294!	A56345	TROS	55386	A56442	TROS	55611=	A600L-202L	CONTI	473467
A56271	TROS	415295	A56346	TROS	415389	A56443	TROS	455612=	A600L-214	CONTI	473467!
A56272	TROS	417082	A56348	TROS	55392=	A56444	TROS	416294!	A600L202	MASSE	473467!
A56273	TROS	455297	A56349	TROS	417511	A56445	TROS	455614	A60106	TROS	8976S
A56275	TROS	417600	A56350	TROS	415394	A56446	TROS	416029N!	A60108K	TROS	370012A
A56276	TROS	417601	A56351	TROS	417549!	A56447	TROS	455625=	A6020A	GAL	416271!
A56277S	TROS	55301S	A56352	TROS	455396	A56449	TROS	415085!	A60382	OLIVE	472924!
A56279	TROS	476470	A56353	TROS	455397	A56449	TROS	456648	A60536	CUMMI	473229
A56280	TROS	415991	A56355	TROS	455402=	A56450	TROS	415371	A60720K	TROS	5390
A56280	TROS	455146!	A56356	TROS	417551	A56451	TROS	55646=	A60801S	TROS	471538
A56282	TROS	455308	A56357	TROS	417492	A56453	TROS	455650=	A61002G	TROS	730009
A56283	TROS	55309=	A56358	TROS	417564	A56455	TROS	455655!	A61005G	TROS	730007
A56284	TROS	455310	A56360	TROS	55431=	A56456S	TROS	416267!	A61006G	TROS	730018
A56285	TROS	455311	A56361	TROS	455434	A56457	TROS	455661	A61008G	TROS	730005
A56286	TROS	417278	A56362	TROS	455436=	A56458	TROS	412473!	A61011G	TROS	730022
A56287	TROS	416670	A56363	TROS	415437	A56459	TROS	415683	A61012G	TROS	730026
A56288	TROS	415984!	A56364	TROS	55441=	A56461	TROS	455685	A61014G	TROS	733067
A56289	TROS	55316=	A56365	TROS	472016	A56463	TROS	417353!	A61161	TROS	42101S
A56290	TROS	415317	A56367	TROS	415447	A56464	TROS	416297	A614413	DCORP	412119!
A56291	TROS	417542	A56370S	TROS	417597	A56465	TROS	55692=	A614418	DCORP	472213
A56292	TROS	417495	A56372	TROS	455576!	A56466S	TROS	416364!	A61442	DCORP	471466!
A56293	TROS	455321	A56373	TROS	455462	A56469	TROS	370019A	A614422	DCORP	254270
A56294	TROS	417484!	A56374	TROS	417550	A56470	TROS	415960	A614423	DCORP	472258!
A56294S	TROS	417484!	A56375	TROS	55469	A56474	TROS	416071	A614436	DCORP	473234!
A56295	TROS	417532	A56376	TROS	455471	A56476	TROS	455820	A614438	DCORP	471750!
A56296	TROS	415327	A56377	TROS	455472=	A56477	TROS	417258	A614444	DCORP	471549!
A56297	TROS	455328	A56378	TROS	417518	A56478	TROS	410825	A614446	DCORP	471231!
A56298	TROS	55329=	A56380	TROS	455476	A56480	TROS	415832	A61445	DCORP	481443!
A56299	TROS	455330!	A56381	TROS	417350!	A56481	TROS	417604	A61447	DCORP	472951
A56300	TROS	417191	A56382	TROS	455480!	A56484	TROS	415854	A61447	DCORP	474252
A56300	TROS	456585	A56382S	TROS	455480!	A56485	TROS	415857!	A61448	CASE	486857
A56302	TROS	55333=	A56383	TROS	417543	A56486	TROS	455858	A61448	DCORP	471747!
A56305	TROS	455336	A56384	TROS	415482	A56487	TROS	417480!	A61449	CASE	9943
A56306	TROS	55337	A56386S	TROS	415937!	A56489	TROS	2055	A61449	DCORP	473424!
A56308	TROS	415991	A56387S	TROS	415937!	A56492S	TROS	415379!	A61736	CASE	6597S
A56308	TROS	455146!	A56388	TROS	417551!	A56493S	TROS	416102	A61840S	TROS	471539!
A56309	TROS	417494	A56390S	TROS	417603!	A56494	TROS	55199=	A62049	CASE	415458!
A56310	TROS	417531	A56392	TROS	417548	A56500S	TROS	415958	A62050	CASE	714750
A56313	TROS	55346	A56392S	TROS	417548	A56500S	TROS	415958!	A620A	OLIVE	412119!
A56314	TROS	417159	A56394	TROS	415498	A565634	FRUEH	370036A	A62701P	TROS	473454
A56314S	TROS	417159	A56394S	TROS	415498	A565634	FRUEH	370349A	A6283	CASE	370051A
A56316	TROS	415349	A56395	TROS	418029!	A56626	CASE	473234=	A62855	ALLCH	473367
A56317	TROS	415350	A56396	TROS	455500	A57230	CASE	416294!	A62855	ALLCH	473367!
A56319	TROS	55353	A56397	TROS	55501=	A57231	CASE	J1123	A63102	TROS	8975S
A56320	TROS	416404!	A56398	TROS	455583N!	A57246	CASE	9434=	A63201S	TROS	8477S
A56321S	TROS	417158!	A56400	TROS	455509	A57247	CASE	5397\$	A63218	CASE	417123=
A56322	TROS	455356	A56401S	TROS	2081	A57250	CASE	5397	A63301S	TROS	9178S
A56323	TROS	55357	A56403	TROS	370015A	A57479	CASE	411500	A63601S	TROS	8804S=
A56324	TROS	55358=	A56404	TROS	417507	A57501R	TROS	9613S	A63701K	TROS	5337
A56326	TROS	417362!	A56404S	TROS	417507	A57520S	TROS	471652	A63720K	TROS	5095
A56326S	TROS	417362!	A56404S	TROS	417507!	A57520S	TROS	482208!	A63860S	TROS	470954!
A56327	TROS	416664!	A56408	TROS	55524	A57647	CASE	415559	A63901S	TROS	480581
A56327S	TROS	416664!	A56409	TROS	55532=	A57658	CASE	476470	A63960	TROS	311189
A56328	TROS	327303!	A56412	TROS	455536	A57697	CASE	J1105	A64002	TROS	HU019A
A56330	TROS	55367=	A56413	TROS	55539=	A57699	CASE	473454	A64005	TROS	HU005A
A56331	TROS	415483!	A56416	TROS	370033A	A5769L	CASE	J1105	A64006	TROS	HU008A

! Industrial Size/Type \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
A64007	TROS	HU007A	A65240S	TROS	8704S	A69509K	TROS	370338A	A69730K	TROS	370046A
A64008	TROS	HU008A	A65261	TROS	370036A	A69510K	TROS	370036A	A69731K	TROS	370191A
A64009	TROS	HU009A	A65261	TROS	370349A	A69510K	TROS	370349A	A69742K	TROS	370003A
A64009P	TROS	HU009A	A65262	TROS	AR10+370020A	A69511K	TROS	370036A	A69743K	TROS	370106A
A64011	TROS	HU011A	A65263	TROS	370001A	A69511K	TROS	370349A	A69745K	TROS	415058
A64011P	TROS	HU011A	A65270	TROS	416892	A69512K	TROS	370192A	A69746K	TROS	370069A
A64012	TROS	HU012A	A65272	TROS	370021A	A69513K	TROS	370004A	A69746K	TROS	380069A
A64013	TROS	HU013A	A65274	TROS	370005A	A69519K	TROS	AR2+370026A	A69750K	TROS	416865
A64013P	TROS	HU013A	A65283	TROS	370006A	A69520K	TROS	370065A	A69754K	TROS	370023A
A64014	TROS	HU014A	A65284	TROS	370019A	A69520K	TROS	376590A	A69754K	TROS	415958
A64014P	TROS	HU014A	A65287	TROS	370007A	A69521K	TROS	370107A	A69754K	TROS	417505
A64019	TROS	HU019A	A65291	TROS	370012A	A69522K	TROS	370027A	A69755K	TROS	417506
A64024	TROS	HU024A	A65299	TROS	370057A	A69535K	TROS	386025A	A69756K	TROS	370003A
A64025	TROS	HU036A	A65340S	TROS	8695S	A69535K	TROS	416158	A69757K	TROS	370005A
A64028	TROS	HU028A	A65360S	TROS	7687S	A69536K	TROS	370037A	A69758K	TROS	415058
A64031	TROS	HU031A	A65402P	TROS	411330!	A69536K	TROS	370338A	A69759K	TROS	370121A
A64034	TROS	HU034A	A65501S	TROS	9449	A69570K	TROS	370036A	A69781K	TROS	370069A
A64034P	TROS	HU034A	A65502S	TROS	8792S	A69570K	TROS	370349A	A69781K	TROS	380069A
A64036	TROS	HU036A	A65520S	TROS	470687	A69594K	TROS	AR2+370026A	A69782K	TROS	370121A
A64042	TROS	HU042A	A65601P	TROS	3945	A69596K	TROS	370065A	A69783K	TROS	AR20+370004A
A64046	TROS	HU110A	A65961	TROS	412725	A69596K	TROS	376590A	A69785K	TROS	370047A
A64049	TROS	HU1149A	A65961S	TROS	412725	A69597K	TROS	370036A	A69787K	TROS	417506
A64050	TROS	HU042A	A65963S	TROS	476838!	A69597K	TROS	370349A	A69788K	TROS	415058
A64058P	TROS	HU058A	A65965S	TROS	473234	A69598K	TROS	386025A	A69789K	TROS	370006A
A64064	TROS	HU003A	A65968S	TROS	471567!	A69598K	TROS	416158	A69790K	TROS	370036A
A64065	TROS	HU065A	A66120S	TROS	472394	A69599K	TROS	370037A	A69790K	TROS	370349A
A64066	TROS	HU066A	A66123S	TROS	472258!	A69599K	TROS	370338A	A69791K	TROS	370021A
A64075	TROS	H075	A66161S	TROS	1165	A69604K	TROS	AR5+370014A	A69792K	TROS	370019A
A64092	TROS	HU036A	A66201S	TROS	9116S	A69605K	TROS	AR4+370011A	A69793K	TROS	416892
A64093	TROS	HU110A	A66202S	TROS	9195S=	A69608K	TROS	370015A	A69794K	TROS	370023A
A64095	TROS	HU009A	A66203	TROS	9049	A69609K	TROS	370124A	A69794K	TROS	417505
A64096	TROS	HU066A	A66203	TROS	9049N	A69611K	TROS	418028	A69795K	TROS	370030A
A64098	TROS	HU110A	A66204S	TROS	9128S	A69612K	TROS	417134	A69798K	TROS	370005A
A64099	TROS	HU036A	A66340S	TROS	9342S	A69616K	TROS	370007A	A7001	MERCM	471692!
A64101S	TROS	8705S	A66402P	TROS	2043	A69619K	TROS	370007A	A7018	MERCM	471472!
A64160	TROS	8635S	A66402S	TROS	2043	A69621K	TROS	AR+370018A	A7090	CASE	470954
A64201S	TROS	8594S	A66501S	TROS	470530!	A69622K	TROS	AR6+370012A	A7144	CASE	473227
A64202S	TROS	8660S	A66520S	TROS	473473	A69624K	TROS	370012A	A7146	CASE	471504!
A64220	TROS	9569S	A66540S	TROS	8935S	A69625K	TROS	AR7+370012A	A7184	FORD	410059
A64360S	TROS	7686S	A66541S	TROS	473234!	A69626K	TROS	370001A	A7184	FORD	470380!
A64402P	TROS	8610	A66581	DCORP	473236!	A69628K	TROS	AR12+370033A	A7201	FORD	473459
A64501R	TROS	473179	A66584	DCORP	473234!	A69629K	TROS	AR10+370020A	A72069	TROS	471192
A64503S	TROS	472299	A67150	CASE	476816=	A69637	TROS	370002A	A72077S	TROS	75251S
A64520S	TROS	472354!	A67367	CASE	417509	A69637K	TROS	370002A	A73015	TROS	200600
A64540S	TROS	415991!	A675000AL513	GE	416888!	A69639K	TROS	370054A	A73017	TROS	80313
A64540S	TROS	415991	A676000AC111	GE	451583!	A69640K	TROS	370057A	A73019	TROS	200640
A64601S	TROS	472082	A676000AD155	GE	481792	A69643K	TROS	370131A	A73025	TROS	7208S
A64901S	TROS	8750S	A676000AD156	GE	471652	A69688K	TROS	370002A	A73029	TROS	200642
A64965S	TROS	471271!	A676000AD157	GE	480482=	A69689K	TROS	AR4+370011A	A74002	TROS	450040
A64968S	TROS	415458!	A676000AD161	GE	471787!	A69690K	TROS	370007A	A74003	TROS	473367
A65003	TROS	386025A	A676000AD162	GE	471413!	A69691K	TROS	370015A	A74004	TROS	473228!
A65003	TROS	416158	A676000AD163	GE	471801!	A69693K	TROS	370012A	A74008	TROS	472287!
A65027	TROS	370106A	A676000AE212	GE	470380!	A69695K	TROS	370064A	A74010	TROS	473010!
A65029	TROS	415058	A676000AE213	GE	473228!	A69696K	TROS	370131A	A74012	TROS	415449!
A65054	TROS	417506	A676000AF251	GE	472299	A69698K	TROS	AR10+370020A	A74013	TROS	417344!
A65056	TROS	370003A	A676000AF255	GE	473230!	A69699K	TROS	370001A	A74014	TROS	416444
A65060	TROS	386025A	A676000AF258	GE	471829	A69701K	TROS	AR20+370004A	A74015	TROS	415449!
A65060	TROS	416158	A676000AF260	GE	472164!	A69702K	TROS	416892	A74017	TROS	415379
A65065	TROS	370005A	A676000AG302	GE	473238!	A69703K	TROS	370021A	A74019	TROS	416666
A65067	TROS	370030A	A676000AK454	GE	415984!	A69705K	TROS	370033A	A74023	TROS	416865!
A65070	TROS	370005A	A676000AL508	GE	416380!	A69707K	TROS	370030A	A75006S	TROS	240009
A65072	TROS	370021A	A676000AL513	GE	416888!	A69711K	TROS	370008A	A75012S	TROS	481537
A65073	TROS	370011A	A67637	CASE	417509	A69713K	TROS	370027A	A75013S	TROS	340771
A65073W	TROS	370011A	A68103	TROS	HU013A	A69714K	TROS	370005A	A75016S	TROS	45637S
A65084	TROS	370019A	A69043	CUMMI	421	A69716K	TROS	370006A	A75233	CASE	415449!
A65102S	TROS	8974S	A693A	OLIVE	411253!	A69717K	TROS	370019A	A7597	AM CA	473453
A65103S	TROS	8975S	A693A	WHITE	411253!	A69718K	TROS	370019A	A76002S	TROS	200110
A65120S	TROS	4148	A69503K	TROS	370013A	A69719K	TROS	370006A	A76004	TROS	204008
A65120S	TROS	471424!	A69505K	TROS	386025A	A69724K	TROS	370036A	A76005S	TROS	203003
A65121S	TROS	9339S	A69505K	TROS	416158	A69724K	TROS	370349A	A76006S	TROS	203003
A65201S	TROS	8835S	A69506K	TROS	370029A	A69725K	TROS	370047A	A76008S	TROS	203006!
A65202S	TROS	8940S	A69509K	TROS	370037A	A69728K	TROS	370033A	A76010S	TROS	203008

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
A76011S	TROS	203012	A80037S	TROS	240470	A81066	TROS	8976S	A84034S	TROS	416271!
A76012S	TROS	203013	A80038S	TROS	6597S	A81067	TROS	418028	A84035S	TROS	355200
A76013S	TROS	203016	A80040S	TROS	240698	A81100S	TROS	471267!	A84035S	TROS	416888!
A76014	CASE	470898	A80041S	TROS	240716	A81101S	TROS	331107N	A84036S	TROS	417350!
A76014S	TROS	203025	A80042S	TROS	240731	A81102S	TROS	473231!	A84038S	TROS	355732
A76015S	TROS	203029	A80044S	TROS	240733	A81103S	TROS	331173	A84040S	TROS	327303!
A76016S	TROS	45637S	A80045S	TROS	240735	A81104R	TROS	331227H	A84833	CATER	J1128
A76017S	TROS	204002	A80046S	TROS	240736	A81105S	TROS	331228H	A84833	TMTR	J1128
A76021S	TROS	204008	A80049S	TROS	240816	A82139	BENDI	415027!	A85001S	TROS	470898
A76024S	TROS	204013	A80050S	TROS	240949	A82139	BENDI	415027	A85004S	TROS	415458!
A76025S	TROS	204017	A80052S	TROS	471076	A82170	C-W	472924!	A85005S	TROS	417344!
A76026S	TROS	204020	A805F-104	ROCKW	472439	A8225	CASE	471646!	A85007S	TROS	415027
A76026S	TROS	204505!	A805F-108	ROCKW	410308!	A828	FMC	330385	A85010S	TROS	417357
A76028S	TROS	204035	A805F-110	ROCKW	410825	A83000S	TROS	471466	A85011P	TROS	415983N!
A76216	CASE	473459	A805F-111	ROCKW	470530!	A83002S	TROS	471224!	A85012S	TROS	412920
A76272	CASE	5164 =	A805F-118	ROCKW	473238!	A83003S	TROS	340136	A85015S	TROS	203006!
A7662	AM CA	471504!	A805F-120	ROCKW	410737!	A83004S	TROS	470954!	A85017S	TROS	441319
A7717	CLARK	415483!	A805F-121	ROCKW	472924!	A83005S	TROS	472560N	A85019S	TROS	472016
A778	WILYS	471413	A805F-124	ROCKW	472492!	A83009S	TROS	340210	A85024S	TROS	451143
A779	WILYS	40576S	A805F-125	ROCKW	471271!	A83010S	TROS	471643!	A85025R	TROS	472164
A7792	CASE	415449!	A805F-126	ROCKW	417600	A83011S	TROS	340356	A85036S	TROS	471341!
A78003	TROS	205004	A805F-133	ROCKW	470954	A83012S	TROS	350364	A85037S	TROS	471827
A78004	TROS	203005!	A805F-134	ROCKW	340853	A83013S	TROS	330385	A85042P	TROS	473452
A78004	TROS	205005	A805F-136	ROCKW	455330!	A83014S	TROS	471267!	A85047S	TROS	471195!
A78010	TROS	205015	A805F-139	ROCKW	450803	A83015S	TROS	340400	A85072S	TROS	472258!
A78012	TROS	204020	A805F-141	ROCKW	417171!	A83016S	TROS	340413	A85080R	TROS	415379!
A78012	TROS	204505!	A805F-143	ROCKW	471820	A83018S	TROS	481537	A86022	TROS	5M81
A78013	TROS	205035	A805F-144	ROCKW	410102	A83020S	TROS	254270	A86029	TROS	5M89
A78014	TROS	205044	A805F-148	ROCKW	472018	A83022S	TROS	340724!	A86072	TROS	5M289
A78016S	TROS	472144!	A805F-154	ROCKW	417597	A83023S	TROS	340771	A86073	TROS	5M293
A78017S	TROS	210914	A805F-156	ROCKW	455480!	A83024S	TROS	340787	A86085	TROS	5M356
A78018S	TROS	210945	A805F-161	ROCKW	415938	A83025S	TROS	340797	A86090	TROS	370002A
A78019S	TROS	411376!	A805F-165	ROCKW	470565!	A83026S	TROS	340815	A86098	TROS	5M403
A78021S	TROS	415449!	A805F-167	ROCKW	415371	A83027S	TROS	340817	A86099	TROS	5M406 =
A78022S	TROS	417343!	A805F-169	ROCKW	417967!	A83028S	TROS	340823	A86107	TROS	5M445
A78023S	TROS	412473!	A805F-173	ROCKW	473244	A83029S	TROS	340835	A86120	TROS	5M466
A78024S	TROS	415725!	A805F-174	ROCKW	415854	A83030S	TROS	340853	A86134	TROS	5M497
A78026S	TROS	471554!	A805F-179	ROCKW	415090	A83031S	TROS	340872	A86135	TROS	370002A
A78029S	TROS	471224!	A805F-183	ROCKW	417602!	A83033S	TROS	340900	A86142	TROS	5M544
A78031S	TROS	471689!	A805F-187	ROCKW	417570	A83034S	TROS	340927	A86143	TROS	5M559
A78033S	TROS	472164!	A805F-190	ROCKW	412871!	A83035S	TROS	340930	A86144	TROS	5M643
A78034S	TROS	472299	A805F-191	ROCKW	470898	A83037S	TROS	341022	A86160	TROS	5M867
A78036S	TROS	471829	A805F-192	ROCKW	472299	A83039S	TROS	345035	A86177	TROS	5MR71
A78037S	TROS	415458!	A805F-194	ROCKW	455476	A83040S	TROS	345146	A86178	TROS	5MR1008
A78038S	TROS	417487!	A805F-195	ROCKW	470565!	A83041	TMTR	482253	A86179	TROS	5MR1009
A78038S	TROS	417487	A805F-199	ROCKW	450090	A83161	TMTR	416130!	A86184	TROS	5MR1300
A78039S	TROS	415146!	A805F-201	ROCKW	455251H	A83173	TMTR	416270	A86185	TROS	5MR1301
A78039S	TROS	415991	A805F-205	ROCKW	417555!	A84001S	TROS	471413!	A86200S	TROS	9911S
A78040S	TROS	415984!	A805F-208	ROCKW	415447	A84004S	TROS	350156	A86201S	TROS	9913
A7870	CASE	415036	A805F-210	ROCKW	415379	A84004S	TROS	473096	A86203S	TROS	9845
A7889	CASE	415036	A805F-215	ROCKW	450362	A84005S	TROS	481443!	A86206S	TROS	9487
A79011P	TROS	410737!	A805F-218	ROCKW	412861	A84006S	TROS	471646!	A86207S	TROS	3604
A79012S	TROS	417487!	A805F-220	ROCKW	456105	A84007S	TROS	471689!	A86209S	TROS	9912
A79012S	TROS	417487	A805F-60	ROCKW	417205!	A84008S	TROS	481163!	A86210S	TROS	5123
A79013S	TROS	415984!	A805F-69	ROCKW	472439	A84009S	TROS	471538	A86211S	TROS	5109
A79016S	TROS	416404!	A805F-91	ROCKW	415447	A84011S	TROS	350364	A86215K	TROS	5092
A79017S	TROS	415498	A805F130	ROCKW	471192	A84013S	TROS	330385!	A86216K	TROS	5111
A79018S	TROS	416500	A805F132	ROCKW	471689!	A84014S	TROS	473227	A86216K	TROS	5111S
A7963619	ACF	240736	A805F135	ROCKW	470764!	A84016S	TROS	472311!	A86217K	TROS	5112
A80011S	TROS	240007 =	A805F193	ROCKW	50764	A84019S	TROS	474272	A86217K	TROS	5112S
A80013S	TROS	240009	A805F193	ROCKW	470764!	A84020S	TROS	471267!	A86218K	TROS	5390
A80016S	TROS	240023	A805F193	ROCKW	50764	A84021S	TROS	473454	A86219K	TROS	5095
A80019S	TROS	240119	A8072	TIMKE	450765!	A84022S	TROS	473424!	A86220K	TROS	5116
A80021S	TROS	240151	A81012	TROS	470530!	A84023S	TROS	471765!	A86225S	TROS	2146
A80026S	TROS	240215	A81019	TROS	415995!	A84024S	TROS	350909	A86227S	TROS	9449
A80027S	TROS	240319	A81019	TROS	415995!	A84024S	TROS	471224!	A86230K	TROS	5072
A80028S	TROS	240356	A81021	TROS	417211!	A84025S	TROS	473241	A86232S	TROS	9487
A80031S	TROS	6703S	A81022	TROS	415437	A84026S	TROS	350936	A86233P	TROS	8460N
A80032S	TROS	240414	A81023	TROS	412473!	A84027S	TROS	350942	A86234K	TROS	5073
A80034S	TROS	240435	A81044	TROS	473448	A84028A	TROS	350974!	A86237S	TROS	2146
A80035S	TROS	240457	A81045	TROS	471652	A84030S	TROS	351028	A86250S	TROS	332134
A80036S	TROS	240462	A81054	TROS	291295	A84033S	TROS	415082	A86255S	TROS	4250

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A86256S	TROS	9864S	A86616	TROS	471646!	A87098S	TROS	442874	A912542	FALCK	413247!
A86285S	TROS	415995!	A86624	TROS	471571	A87114S	TROS	40101S	A91615	TMTR	471737
A86285S	TROS	415995!	A86626	TROS	472324!	A87128S	TROS	40337S	A92842	OLIVE	417316!
A86287S	TROS	416706!	A86627	TROS	472324!	A87131S	TROS	472029	A9288	BUTBN	40337S
A86289S	TROS	472397!	A86628	TROS	472324!	A87138S	TROS	470605!	A95018	AM CA	472185!
A86290S	TROS	470605!	A86629	TROS	472324!	A87139S	TROS	415449!	A95123	AM CA	415449!
A86291S	TROS	471344	A86643	TROS	471224!	A87142	TROS	415001!	A95155	AM CA	417073
A86293S	TROS	471763	A86644S	TROS	471224!	A87146	TROS	416273!	A95161	AM CA	473227
A86297S	TROS	416273	A86645S	TROS	471224!	A87156S	TROS	451143	A95166	AM CA	471868
A86303S	TROS	2689S	A86647S	TROS	471224!	A87159	TROS	413248	A95169	AM CA	417344!
A86310	TROS	471646!	A86650S	TROS	471224!	A87161	TROS	417079	A95213	AM CA	415984!
A86312	TROS	471413!	A86652	TROS	471224!	A87164	TROS	415458!	A95215	AM CA	473238
A86313	TROS	471413!	A86654S	TROS	471270!	A87189S	TROS	416654	A95296	AM CA	471705!
A86314	TROS	5131	A86657S	TROS	471649!	A87190S	TROS	416654	A95300	AM CA	416654!
A86315	TROS	470625!	A86659	TROS	471649!	A87205	TROS	416404!	A95301	AM CA	472560N!
A86317	TROS	350936	A86660S	TROS	471649!	A87207	TROS	370046A	A958	WILYS	473229
A86318	TROS	5121	A86670S	TROS	471733	A87214	TROS	476470	A9733051	KELSE	45031S
A86320	TROS	410308!	A86674S	TROS	471744!	A87217	TROS	418028	A974	WILYS	471466!
A86321	TROS	416273	A86676S	TROS	471760	A87217	TROS	455137!	A9AZ7288A	FORD	340797
A86323	TROS	471487	A86677S	TROS	471760	A87218S	TROS	418028	A9LY7052A	FORD	7300S
A86325K	TROS	5117	A86689	TROS	480210!	A87218S	TROS	455137!	A9LY7052B	FORD	473235!
A86326K	TROS	5127	A86705S	TROS	471652	A87219	TROS	418028	AA0462E0	NOK	471549!
A86355S	TROS	471689!	A86706S	TROS	471652	A87219	TROS	455137!	AA0462E0	NOK	471549*
A86358P	TROS	473010	A86710S	TROS	471692!	A87220	TROS	416292	AA10570	JOHND	45013S
A864	WILYS	40566S	A86712	TROS	471692!	A87221	TROS	415085!	AA1175A	FORD	415960!
A86423S	TROS	471442!	A86717S	TROS	471763	A87221	TROS	456648	AA1175AR	FORD	455008
A86424	TROS	471442!	A86718	TROS	473259	A87224	TROS	417191	AA1430E	NOK	471649!
A86426S	TROS	471526!	A86725S	TROS	470328	A87224	TROS	455165!	AA1443B	OLIVE	417356!
A86429S	TROS	471526!	A86725S	TROS	481213!	A87225S	TROS	416327	AA1443B	OLIVE	455188
A86430S	TROS	471526!	A86728S	TROS	472475	A87232S	TROS	415991	AA1443C	OLIVE	472157
A86431	TROS	471526!	A86741S	TROS	471413!	A87232S	TROS	415991!	AA1443C	OLIVE	472157!
A86440S	TROS	471530	A86743S	TROS	471737	A87233S	TROS	415991!	AA1443E0	NOK	471733
A86447S	TROS	472705!	A86747S	TROS	471750!	A87233S	TROS	415991	AA15M200	CONTI	343185
A86449S	TROS	471281!	A86749S	TROS	471766	A87235	TROS	55028	AA15M201	CONTI	471267!
A86464S	TROS	471466!	A86750S	TROS	471766!	A87242	TROS	416919	AA15M202	CONTI	343185
A86466S	TROS	471466!	A86760S	TROS	471787!	A87245	TROS	416339	AA1841F0	NOK	471766!
A86468S	TROS	471466!	A86774S	TROS	473210	A87245	TROS	455031!	AA1841F0	NOK	471766*
A86470	TROS	471466!	A86776	TROS	473210	A87246S	TROS	416345!	AA1999E	NOK	472354!
A86471S	TROS	471466!	A86790S	TROS	472354!	A87246S	TROS	455033	AA2162E0	NOK	36X50X7!
A86473S	TROS	471264!	A86795	TROS	472258!	A87249	TROS	45187S	AA2222E0	NOK	38X52X8.5
A86475S	TROS	471264!	A86797S	TROS	470380!	A87253S	TROS	471472!	AA2276E0	NOK	473227!
A86477S	TROS	471255!	A86799S	TROS	471192	A87256S	TROS	455194	AA2291E0	NOK	471344
A86479S	TROS	471564	A86803S	TROS	471192	A87259	TROS	472157!	AA2293E0	NOK	473228!
A86484S	TROS	481528	A86819	TROS	471835!	A87259	TROS	472157	AA2296R	JOHND	472287!
A86486S	TROS	481397	A86850	TROS	473231	A87265S	TROS	6597S	AA2342Y0	NOK	224015
A86487S	TROS	481397	A86865	TROS	291099	A87267	TROS	416888!	AA2342Y0	NOK	40X52X7!
A86495S	TROS	471538!	A86866	TROS	470487!	A87275	TROS	415725!	AA2464E0	NOK	473367*
A86497S	TROS	471538!	A86875S	TROS	472299	A87277S	TROS	416865!	AA2464E0	NOK	473367!
A86500S	TROS	471553!	A86888S	TROS	481181!	A87292	TROS	240319	AA2580E0	NOK	473237!
A86501S	TROS	471553!	A86914S	TROS	473234!	A87293S	TROS	470954!	AA2593E0	NOK	472193*
A86514S	TROS	470954!	A86928S	TROS	340400	A87294S	TROS	471643!	AA2593E0	NOK	472193!
A86517S	TROS	470954!	A86931	TROS	450400	A87295S	TROS	471643!	AA2599E0	NOK	472179
A86523S	TROS	471554!	A86956	TROS	472179	A87300S	TROS	472354!	AA2773E0	NOK	224820
A86530S	TROS	471567!	A86962S	TROS	471141!	A87301S	TROS	472354!	AA2773Y0	NOK	224820
A86532S	TROS	471567!	A86973S	TROS	473451!	A87303S	TROS	471827!	AA2847Y0	NOK	225020
A86540S	TROS	471643!	A87011	TROS	473462	A87304S	TROS	1192	AA2847Y0	NOK	50X68X8!
A86541	TROS	471643!	A87012	TROS	450965	A87313S	TROS	340853	AA2928E0	NOK	470530
A86554	TROS	481443!	A87014	TROS	417474	A87339S	TROS	472560N	AA2929E	NOK	470530!
A86555S	TROS	481443!	A87025S	TROS	6703S	A87367S	TROS	472705!	AA2934E0	NOK	472397!
A86562	TROS	481644	A87027	TROS	472082	A87369S	TROS	7188S	AA2942E0	NOK	410102
A86564S	TROS	481644	A87028	TROS	472924!	A87372S	TROS	470954!	AA2990F0	NOK	340900
A86573S	TROS	471539!	A87030S	TROS	472397!	A87373S	TROS	470954!	AA2994F0	NOK	470898
A86575S	TROS	471539!	A87031	TROS	40301S	A87918	TMTR	470712!	AA3001E0	NOK	410308!
A86579S	TROS	471231!	A87038	TROS	473464	A8926	CASE	415988	AA3132E0	NOK	411253!
A86581	TROS	471231!	A87051	TROS	5756	A8926X	CASE	415988	AA3132G0	NOK	411253!
A86584	TROS	471686	A87054	TROS	41013S	A89569	US-EL	471821!	AA3257E0	NOK	412119!
A86597S	TROS	471267!	A87064	TROS	410308	A89570	US-EL	473179!	AA3262E0	NOK	410686N
A86598S	TROS	471267!	A87071	TROS	473471	A8Q7274A	FORD	471231!	AA3266E0	NOK	415857!
A86605	TROS	471570!	A87076S	TROS	341022	A8TZ1175A	FORD	410987!	AA3267F0	NOK	410825
A86606S	TROS	471570!	A87084S	TROS	471272!	A8TZ1175B	FORD	410987!	AA3333Z1	NOK	472029
A86607S	TROS	471570!	A87087S	TROS	471341!	A90830	CATER	470712!	AA3339E0	NOK	471271!
A86614S	TROS	471633!	A87094	TROS	411253!	A90830	TMTR	470712!	AA3346E0	NOK	415449

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
AA3349E0	NOK	415449!	AA7853E	NOK	417357!	AB0645F0	NOK	471466!	AB1292E	NOK	25X35X7!
AA3357E0	NOK	455079!	AA7853E	NOK	455192*	AB0654E0	NOK	471264!	AB1292W	NOK	222510
AA3439G0	NOK	415458!	AA7865E0	NOK	450621	AB0654F0	NOK	471264!	AB1292W0	NOK	222510
AA3479E	NOK	416664!	AA7914E0	NOK	416125!	AB0657E0	NOK	471255!	AB1294F0	NOK	25X35X7!
AA3487E0	NOK	416282	AA7B237	CONTI	471267!	AB0678E0	NOK	16X26X7	AB1306E0	NOK	222535
AA3606	DIA	455189	AA7C200	CONTI	481443!	AB0678QE	NOK	16X26X7	AB1307E0	NOK	222535
AA3654E0	NOK	100495	AA7C204	CONTI	417267	AB0685E0	NOK	221610	AB1314F0	NOK	222540
AA3654E0	NOK	417349	AA8006E0	NOK	471692*	AB0687E0	NOK	16X30X7	AB1315E0	NOK	222540
AA3665F0	NOK	415995!	AA8006E0	NOK	471692!	AB0688E0	NOK	16X30X7	AB1322E0	NOK	25X42X10
AA3665F0	NOK	415995*	AA8007E0	NOK	473215	AB0698E0	NOK	16X35X7	AB1334F0	NOK	25X45X8
AA3665FA	NOK	415995!	AA8007F0	NOK	473215!	AB0712E0	NOK	481073	AB1335F0	NOK	25X45X8
AA3738R	JOHND	471554!	AA8012E0	NOK	410496	AB0721E0	NOK	481481	AB1337F0	NOK	25X45X8
AA3796E0	NOK	476470	AA8012E0	NOK	410496!	AB0722F0	NOK	481481	AB1338E0	NOK	25X45X8
AA4183E0	NOK	416891!	AA8019E0	NOK	410102	AB0736F0	NOK	221710	AB1348E0	NOK	25X47X7
AA4245AR	FORD	473367!	AA8020E0	NOK	413246!	AB0742G0	NOK	221720	AB1361E0	NOK	25X50X10
AA4245AR	FORD	473367	AA8020E0	NOK	413246	AB0745G0	NOK	17X30X7	AB1362E0	NOK	25X50X10
AA4432E1	NOK	417541	AA8022E0	NOK	474255	AB0751E0	NOK	221730	AB1374E	NOK	25X52X8
AA4525F	NOK	416107!	AA8056E0	NOK	471619*	AB0759E0	NOK	17X35X7	AB1374E0	NOK	25X52X10
AA4686	FORD	471750!	AA8056E0	NOK	471619!	AB0771E1	NOK	17X40X7	AB1374E0	NOK	25X52X7!
AA4700	FORD	474281!	AA8061E0	NOK	412901!	AB0788E	NOK	471553!	AB1377E	NOK	25X52X8
AA4700R	FORD	474281!	AA8072E0	NOK	471567!	AB0788E	NOK	471553*	AB1377E0	NOK	25X52X10
AA487R	JOHND	416282	AA8098E0	NOK	226285	AB0788E1	NOK	471553!	AB1377E0	NOK	25X52X7!
AA502R	JOHND	476470	AA8098E0	NOK	62X85X8!	AB0788E1	NOK	471553*	AB1379E0	NOK	25X52X10
AA505	JOHND	476470	AA8222E0	NOK	417344	AB0816E0	NOK	221820	AB13C200	CONTI	471267!
AA506	JOHND	416282	AA8223E0	NOK	455858	AB0817E0	NOK	221820	AB13C201	CONTI	471466!
AA510R	JOHND	417316!	AA8360E0	NOK	471692!	AB0829E0	NOK	18X35X7	AB13S204	CONTI	350364
AA520	JOHND	417316!	AA8367E0	NOK	471138=	AB0831E0	NOK	18X35X7	AB1402E0	NOK	252277*
AA5247R	JOHND	472560N!	AA8376E0	NOK	55337	AB0875E0	NOK	19X35X10!	AB1403E0	NOK	252277
AA5506R	JOHND	471271!	AA8425E0	NOK	451030=	AB0896E0	NOK	254270!	AB1403E1	NOK	252277
AA5607R	JOHND	240731	AA8440E0	NOK	473454	AB0898E	NOK	254270!	AB1408E0	NOK	472311!
AA5613	JOHND	471267!	AA8511E0	NOK	415960	AB0898E0	NOK	1049	AB1410E2	NOK	471224!
AA5613R	JOHND	471267!	AA8524E0	NOK	473258!	AB0909F	NOK	470954!	AB1410F0	NOK	471224!
AA620A	GAL	416271!	AA8531E0	NOK	415234!	AB0909F0	NOK	470954!	AB1411E0	NOK	471224!
AA620A	HOUGH	416271!	AA8586E0	NOK	455251H	AB0909F1	NOK	470954	AB1426E0	NOK	471270!
AA620A	OLIVE	416271!	AA8739E0	NOK	471643!	AB0913E0	NOK	470954!	AB1427E0	NOK	471270!
AA6605R	JOHND	470898	AA8765E0	NOK	473367*	AB0913F	NOK	470954!	AB1463E0	NOK	26X38X5!
AA6606R	JOHND	471271!	AA8765E0	NOK	473367!	AB0913F0	NOK	470954!	AB1468E	NOK	471076
AA663	JOHND	5M356	AA8768E0	NOK	416154!	AB0913G0	NOK	470954!	AB1468E0	NOK	26X40X7!
AA6732Y0	NOK	1950	AAA397A0	NOK	62X85X8!	AB0915F	NOK	470954	AB1468E0	NOK	471076
AA6867E0	NOK	352637	AAL0088	LEYLD	370003A	AB0923F0	NOK	471554!	AB1474F0	NOK	26X42X10
AA6922E	NOK	471733*	AAX29789	JOHND	471267!	AB0923H0	NOK	471554!	AB1486E	NOK	481650
AA7032F0	NOK	470059	AAX43052	JOHND	472287!	AB0938E0	NOK	471643!	AB1486E0	NOK	481650
AA7032F0	NOK	470380!	AAX82739	JOHND	476838!	AB0984H0	NOK	20X30X7	AB1518E0	NOK	27X47X10
AA7075E0	NOK	470328	AAX87908	JOHND	472354!	AB0987E0	NOK	20X30X7	AB1531E0	NOK	28X38X7
AA7075E0	NOK	481213!	AAX90840	JOHND	472560N!	AB0997E0	NOK	222020	AB1532E1	NOK	28X38X7
AA7304E0	NOK	473214!	AAX92035	JOHND	472070	AB1012E0	NOK	222030	AB1538E0	NOK	222820
AA7305E0	NOK	412028	AAX92755	JOHND	472258	AB1013E0	NOK	222030	AB1538E0	NOK	28X40X7!
AA7323E0	NOK	470950!	AAX92789	JOHND	471267!	AB1029E0	NOK	222050	AB1546G1	NOK	222835
AA7325E0	NOK	40389S	AB0067E	NOK	350435	AB1030E0	NOK	222050	AB1598E0	NOK	3638
AA7326E0	NOK	471516!	AB0067E0	NOK	350435	AB1032E0	NOK	20X40X10	AB1598E0	NOK	471652
AA7373E0	NOK	473458!	AB0205E0	NOK	9X22X7	AB1033F0	NOK	20X40X10	AB1600G0	NOK	471652
AA7411E0	NOK	456105	AB0223E0	NOK	330385!	AB1116E0	NOK	222210	AB1610E	NOK	476838!
AA7412E0	NOK	476470	AB0224G0	NOK	330385!	AB1126E	NOK	22X35X7	AB1610E0	NOK	476838!
AA7594E0	NOK	472636*	AB0327E0	NOK	50199S!	AB1126E0	NOK	222220	AB1617E0	NOK	471763
AA7594E0	NOK	472636!	AB0327E0	NOK	6863S!	AB1127E0	NOK	222220	AB1656E0	NOK	30X40X7!
AA7600E0	NOK	471870*	AB0371E0	NOK	12X22X7!	AB1145E0	NOK	22X42X10	AB1666E0	NOK	1970
AA7600E0	NOK	471870!	AB0387E0	NOK	12X28X7	AB1148E0	NOK	22X42X10	AB1673E0	NOK	223012
AA7601E0	NOK	473517!	AB0450E0	NOK	471442!	AB1172E0	NOK	7840S	AB1679G0	NOK	223014*
AA7602E0	NOK	471192	AB0456F0	NOK	471526!	AB1172F0	NOK	7840S	AB1682E0	NOK	223014*
AA7603E0	NOK	450492	AB0456G0	NOK	471526!	AB1181E0	NOK	471267!	AB1704F0	NOK	30X50X7
AA7624E0	NOK	416404!	AB0462E0	NOK	471549*	AB1181F0	NOK	471267!	AB1705F0	NOK	30X50X7
AA7626E0	NOK	417159	AB0462E0	NOK	471549!	AB1182F0	NOK	471267	AB1706E0	NOK	30X50X7
AA7652E0	NOK	472924!	AB0478E	NOK	14X24X7!	AB1184G0	NOK	471267!	AB1709G0	NOK	30X50X7
AA7652E0	NOK	472924*	AB0478E0	NOK	13X28X7!	AB1192E0	NOK	350877	AB1724E0	NOK	223035
AA7652F0	NOK	472924*	AB0514E0	NOK	221410	AB1192E0	NOK	471633!	AB1736E0	NOK	30X55X10
AA7652F0	NOK	472924!	AB0526E0	NOK	14X30X7	AB1194E0	NOK	471646!	AB1770F0	NOK	472475
AA7681E0	NOK	450593	AB0545E	NOK	472705!	AB1232E0	NOK	471571	AB1776F0	NOK	470328!
AA7681E0	NOK	450593!	AB0552F	NOK	472705!	AB1255E0	NOK	24X38X7	AB1776F0	NOK	481213*
AA7687E0	NOK	417474	AB0592E0	NOK	15X28X7	AB1260E0	NOK	24X40X7!	AB1779E0	NOK	471765!
AA7711E0	NOK	471750!	AB0598E0	NOK	221540	AB1274E0	NOK	471648	AB178	JOHND	411253!
AA7723E0	NOK	415254	AB0604E0	NOK	15X32X8	AB1274F0	NOK	471648=	AB1783E0	NOK	471354!
AA7820E0	NOK	416271!	AB0610E0	NOK	15X35X7	AB1292E	NOK	222510	AB1815E	NOK	343186

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
AB1826E0	NOK	AB2483E0	NOK	AB3204F0	NOK	AB4161E0	NOK
AB1830E	NOK	AB2493E0	NOK	AB3220E0	NOK	AB4180E0	NOK
AB1832F0	NOK	AB2493E0	NOK	AB3222G0	NOK	AB4184E	NOK
AB1832F1	NOK	AB2504E0	NOK	AB3224E0	NOK	AB4184E2	NOK
AB1838E0	NOK	AB2507E0	NOK	AB3234E	NOK	AB4212E0	NOK
AB1850E	NOK	AB25252027	IH	AB3234E0	NOK	AB4212E0	NOK
AB1850E1	NOK	AB2525203	IH	AB3244E	NOK	AB4212E0	NOK
AB1880E0	NOK	AB2525304	IH	AB3244E0	NOK	AB4228E	NOK
AB1884E0	NOK	AB2525304	IH	AB3253E	NOK	AB4228E0	NOK
AB1884E0	NOK	AB2569E0	NOK	AB3253E0	NOK	AB4255F0	NOK
AB1894E0	NOK	AB2578	JOHND	AB3267E0	NOK	AB4262E0	NOK
AB1894E0	NOK	AB2594E0	NOK	AB3290F0	NOK	AB4269E	NOK
AB1902E0	NOK	AB2600E0	NOK	AB3297E0	NOK	AB4269E2	NOK
AB1902E0	NOK	AB2614E0	NOK	AB3336E0	NOK	AB4346A0	NOK
AB1904E0	NOK	AB2614E0	NOK	AB3338E0	NOK	AB4346E0	NOK
AB1978E0	NOK	AB2641E0	NOK	AB3347F0	NOK	AB4362E0	NOK
AB1990E	NOK	AB2643F0	NOK	AB3352E	NOK	AB4399A0	NOK
AB1990E0	NOK	AB2643F0	NOK	AB3389G0	NOK	AB4404E0	NOK
AB2005E0	NOK	AB2651F0	NOK	AB3395E0	NOK	AB4413E	NOK
AB2012F0	NOK	AB2652E0	NOK	AB3409F0	NOK	AB4413E3	NOK
AB2041F0	NOK	AB2652E0	NOK	AB3446E0	NOK	AB4451A0	NOK
AB2041F0	NOK	AB2666F0	NOK	AB3459F0	NOK	AB4451A0	NOK
AB2056E	NOK	AB2668F0	NOK	AB3478F0	NOK	AB4465E0	NOK
AB2056E0	NOK	AB2753E0	NOK	AB3487E0	NOK	AB4471X	NOK
AB2057G0	NOK	AB2773Y0	NOK	AB3513E0	NOK	AB4471X0	NOK
AB2066E0	NOK	AB2773Y0	NOK	AB3513E0	NOK	AB4542A0	NOK
AB2069E0	NOK	AB2775E0	NOK	AB3519G0	NOK	AB4581A0	NOK
AB2081E	NOK	AB2775G	NOK	AB3527G0	NOK	AB4624A0	NOK
AB2081E0	NOK	AB2775G0	NOK	AB3532G0	NOK	AB4649E	NOK
AB2085F0	NOK	AB2788E0	NOK	AB3537F0	NOK	AB4649E0	NOK
AB2162E0	NOK	AB2791E0	NOK	AB3562G0	NOK	AB4713A0	NOK
AB2164E0	NOK	AB2838E0	NOK	AB3573E	NOK	AB4764E	NOK
AB2230E0	NOK	AB2838E0	NOK	AB3618A4	NOK	AB4764E0	NOK
AB2231E0	NOK	AB2847G0	NOK	AB3618H0	NOK	AB4795A0	NOK
AB2239E0	NOK	AB2853	NOK	AB3631E0	NOK	AB4835E	NOK
AB2240G0	NOK	AB2853E	NOK	AB3664E0	NOK	AB4835E0	NOK
AB2240G0	NOK	AB2853E0	NOK	AB3664E0	NOK	AB4898A0	NOK
AB2250E0	NOK	AB2853E0	NOK	AB3665E0	NOK	AB4974F0	NOK
AB2253720	IH	AB2854G0	NOK	AB3665E0	NOK	AB5035E	NOK
AB2267E0	NOK	AB2861E0	NOK	AB3705E0	NOK	AB5035E0	NOK
AB2278F	NOK	AB2861E0	NOK	AB3705E0	NOK	AB5054G0	NOK
AB2281G0	NOK	AB2864G0	NOK	AB3708E0	NOK	AB5070R	JOHND
AB2281G0	NOK	AB2888E0	NOK	AB3732E	NOK	AB5131E0	NOK
AB2298E	NOK	AB2913E0	NOK	AB3732E	NOK	AB5160R	JOHND
AB2298E	NOK	AB2919E0	NOK	AB3732E0	NOK	AB5204E0	NOK
AB2298E0	NOK	AB2922F0	NOK	AB3744H0	NOK	AB5340E	NOK
AB2298E0	NOK	AB2922F0	NOK	AB3744P	NOK	AB5340EX	NOK
AB2343E0	NOK	AB2931E0	NOK	AB3777X	NOK	AB5351A0	NOK
AB2343E0	NOK	AB2934F0	NOK	AB3777X1	NOK	AB5398E0	NOK
AB2361G	NOK	AB2955	NOK	AB3796E0	NOK	AB5560E0	NOK
AB2361G	NOK	AB2955	NOK	AB3796E0	NOK	AB5841A6	NOK
AB2361G0	NOK	AB2955I	NOK	AB3809E0	NOK	AB6764E	NOK
AB2369F0	NOK	AB2967E0	NOK	AB3809E0	NOK	AB6819E0	NOK
AB2375E0	NOK	AB2994E0	NOK	AB3837E0	NOK	AB6922E0	NOK
AB2375E0	NOK	AB3014E1	NOK	AB3842H0	NOK	AB6922F0	NOK
AB2379F0	NOK	AB3036F0	NOK	AB3855E0	NOK	AB6935E	NOK
AB2386E	NOK	AB3040G0	NOK	AB3891F0	NOK	AB6957E	NOK
AB2386E	NOK	AB3040G0	NOK	AB3891F0	NOK	AB7017E0	NOK
AB2386E0	NOK	AB3053E0	NOK	AB3944E0	NOK	AB7079E0	NOK
AB2386E0	NOK	AB3055J0	NOK	AB3963E0	NOK	AB7080E0	NOK
AB2386E0	NOK	AB3062E0	NOK	AB3994F0	NOK	AB7095E0	NOK
AB2388F0	NOK	AB3062E0	NOK	AB4007E0	NOK	AB7101E0	NOK
AB2390H0	NOK	AB3072F0	NOK	AB4017F0	NOK	AB7109E0	NOK
AB2405E0	NOK	AB3092E0	NOK	AB4020E0	NOK	AB7126E0	NOK
AB2443Y0	NOK	AB3094E0	NOK	AB4037E0	NOK	AB7127E0	NOK
AB2443Y0	NOK	AB3135E0	NOK	AB4055E0	NOK	AB7128E0	NOK
AB2459E0	NOK	AB3148E0	NOK	AB4055E0	NOK	AB7138E0	NOK
AB2469E0	NOK	AB3152G0	NOK	AB4063A0	NOK	AB7153E0	NOK
AB2481Y	NOK	AB3154E0	NOK	AB4109E0	NOK	AB7166E0	NOK
AB2481Y	NOK	AB3165E	NOK	AB4109E0	NOK	AB7175E0	NOK
AB2481Y0	NOK	AB3193F0	NOK	AB4116F0	NOK	AB718	JOHND
AB2481Y0	NOK	AB3195F0	NOK	AB4150E0	NOK	AB7270E0	NOK

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

AB7282E0 – AC1719E0

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
AB7282E0	NOK	416135!	AB7807E0	NOK	6936S	AB8036F0	NOK	471354 =	AC0771F0	NOK	17X40X7
AB7345E	NOK	472397!	AB7808E	NOK	473242	AB8065E0	NOK	471442!	AC0829A0	NOK	18X35X7
AB7358E1	NOK	471539! *	AB7809E0	NOK	473204	AB8066E0	NOK	472475	AC0875A0	NOK	19X35X10!
AB7368E0	NOK	481163!	AB7810E0	NOK	472015!	AB8071E0	NOK	471651	AC0897E0	NOK	254270!
AB7375E0	NOK	472560N!	AB7811E0	NOK	472016!	AB8201E0	NOK	471103!	AC0898E0	NOK	1049
AB7391E0	NOK	6863S!	AB7812E0	NOK	473243	AB8201E1	NOK	471103!	AC0913E0	NOK	470954!
AB7408E0	NOK	415960	AB7813E	NOK	473244	AB8202E	NOK	472354!	AC0913E1	NOK	470954!
AB7409E0	NOK	473459!	AB7814E0	NOK	472018	AB8202E0	NOK	472354!	AC091300	NOK	470954
AB7410E0	NOK	471138!	AB7815E	NOK	482020 =	AB8353E0	NOK	471984	AC0923F0	NOK	471554!
AB7446E0	NOK	38X47X8!	AB7816E	NOK	473245	AB8375E0	NOK	410190	AC0984E0	NOK	20X30X7
AB7621E0	NOK	473237	AB7817E0	NOK	472636!	AB8402E0	NOK	352541	AC0997E0	NOK	222020
AB7625E0	NOK	471818	AB7818E0	NOK	413246!	AB8439E0	NOK	6413S	AC1012E0	NOK	222030
AB764E0	NOK	450536	AB7819E0	NOK	413247!	AB8476E0	NOK	471344	AC1013A0	NOK	222030
AB764E0	NOK	471535!	AB7820E0	NOK	416271!	AB8497E0	NOK	330699!	AC1015 FMC		415088
AB7650E0	NOK	471645	AB7821E0	NOK	470605!	AB8523E0	NOK	473258!	AC1015 FMC		415088!
AB7659E0	NOK	471649!	AB7822E0	NOK	413248	AB8523E1	NOK	473258!	AC10171	COC	473436
AB7673E1	NOK	470380!	AB7823E	NATSU	415483	AB8526E0	NOK	482126	AC10177	OLIVE	473436
AB7674E0	NOK	473233!	AB7823E	NATSU	415483 =	AB8535E0	NOK	410190 *	AC1029E0	NOK	222050
AB7684E0	NOK	471870!	AB7823E0	NOK	415483	AB8759E0	NOK	472164!	AC1030F0	NOK	20X40X10
AB7686E0	NOK	470334!	AB7825E0	NOK	417343!	AB8771E0	NOK	8133S	AC1030F0	NOK	20X40X7!
AB7738E0	NOK	413246!	AB7826E0	NOK	415984!	AB8778E0	NOK	471551!	AC1032F0	NOK	20X40X10
AB7758E0	NOK	471442!	AB7827E0	NOK	417316!	AB8779E0	NOK	481443!	AC1033A0	NOK	20X40X10
AB7759E0	NOK	471472!	AB7828E0	NOK	415303!	AB8931E0	NOK	5124	AC1038E	NOK	20X42X10
AB7760E0	NOK	471564	AB7829E0	NOK	417344!	AB8932E0	NOK	9569S	AC1038E0	NOK	20X42X10
AB7761E0	NOK	471567!	AB7830E0	NOK	417158!	AB8935E0	NOK	471688	AC1048F0	NOK	20X47X7
AB7762E0	NOK	471643!	AB7831E0	NOK	417349!	ABB013B0	NOK	52X65X9!	AC1048F0	NOK	222075
AB7762E1	NOK	471643!	AB7832E0	NOK	417350!	ABB587A0	NOK	17X28X7	AC1059E0	NOK	20X52X7
AB7763E0	NOK	471570!	AB7833E0	NOK	417351!	ABX69660	JOHND	240215	AC1070E0	NOK	471539
AB7764E0	NOK	470590	AB7834E0	NOK	417171!	AC0105E0	NOK	350364	AC10801	OLIVE	472409
AB7765E0	NOK	471689!	AB7835E0	NOK	417172	AC0105E1	NOK	350364	AC11259	DRESS	471820
AB7766E0	NOK	471692!	AB7836E0	NOK	417181!	AC0105H0	NOK	350364	AC11259	EL-MO	471820
AB7767E0	NOK	470712!	AB7837E0	NOK	417353!	AC0123E1	NOK	10X25X7	AC11259	WAYNE	471820
AB7768E0	NOK	473203	AB7838E0	NOK	416294!	AC0134F0	NOK	220860	AC1126F0	NOK	222220
AB7769E0	NOK	472475	AB7840E0	NOK	417191	AC0134F0	NOK	8X16X7!	AC11436	COC	455356
AB7770E0	NOK	473205!	AB7841E0	NOK	417354!	AC0205A0	NOK	9X22X7	AC11436	OLIVE	455356
AB7771E	NOK	473210	AB7842E0	NOK	416624!	AC0205E0	NOK	9X22X7	AC11436	WHITE	455356
AB7772E	NOK	473211	AB7843E0	NOK	417196!	AC0224F0	NOK	330385!	AC1148A0	NOK	22X42X10
AB7773E	NOK	473212	AB7844E0	NOK	415437	AC0224F1	NOK	330385!	AC1148E	NOK	22X42X10
AB7774E	NOK	473213	AB7845E	NATSU	416130!	AC0227E0	NOK	350156	AC1148E0	NOK	22X42X10
AB7775E0	NOK	473214!	AB7845E	NATSU	486130 =	AC0227E0	NOK	473096!	AC11498	WAYNE	473214!
AB7776E0	NOK	473215!	AB7845E0	NOK	416332 *	AC0227E1	NOK	350156	AC11501	WAYNE	450165
AB7777E0	NOK	473224!	AB7845E0	NOK	416332!	AC0227E1	NOK	473096!	AC11501	WAYNE	471801!
AB7778E0	NOK	473016!	AB7846E0	NOK	417355!	AC0308E0	NOK	11X22X7	AC1172E	NOK	5076
AB7779E0	NOK	473225!	AB7847E0	NOK	416125!	AC0387E0	NOK	12X28X7	AC1172E0	NOK	5076
AB7780E0	NOK	473226	AB7848E0	NOK	416041	AC0442F1	NOK	330699!	AC11805	COC	412871!
AB7781E0	NOK	473227!	AB7849E0	NOK	417205!	AC0456E0	NOK	471526!	AC11805	OLIVE	412871!
AB7782E0	NOK	470380!	AB7850E0	NOK	417211!	AC0514E0	NOK	221410	AC1181E0	NOK	471267!
AB7783E0	NOK	473228!	AB7851E0	NOK	415697!	AC0526A0	NOK	14X30X7	AC1260A0	NOK	222430
AB7784E0	NOK	472213	AB7852E0	NOK	417366!	AC0545E0	NOK	471281!	AC1260A0	NOK	24X40X7!
AB7785E0	NOK	472299	AB7853E	NATSU	417357	AC0559E0	NOK	472705!	AC1314A0	NOK	222540
AB7786E0	NOK	473229!	AB7855E	NATSU	472157	AC0598A0	NOK	221540	AC1314A0	NOK	25X40X7!
AB7787E0	NOK	470682	AB7855E	NATSU	486556 =	AC0603E0	NOK	15X32X8	AC1350E0	NOK	222560
AB7788E0	NOK	473230!	AB7855E0	NOK	416556!	AC0610F0	NOK	15X35X7	AC1363E0	NOK	25X50X10
AB7789E0	NOK	473010!	AB7855E0	NOK	472157 *	AC0611E0	NOK	15X35X7	AC1372F	NOK	25X52X8
AB7790E0	NOK	473232!	AB7856E	NATSU	416891!	AC0620E0	NOK	471532	AC1372F0	NOK	25X52X10
AB7791E	NOK	473233	AB7856E0	NOK	416891!	AC0639E	NOK	351487	AC1372F0	NOK	25X52X7!
AB7792E0	NOK	473234!	AB7857E	NATSU	416153!	AC0639E0	NOK	351487	AC1419E0	NOK	471224!
AB7793E0	NOK	473235!	AB7857E0	NOK	416153!	AC0644E	NOK	471466!	AC1474A0	NOK	26X42X10
AB7794E	NOK	473236!	AB7858E	NATSU	417247!	AC0649E0	NOK	471466!	AC1476E0	NOK	26X45X8
AB7795E0	NOK	473237!	AB7858E0	NOK	417247!	AC0654E0	NOK	471264!	AC1543E0	NOK	28X42X8!
AB7796E0	NOK	472185!	AB7859E	NATSU	415725!	AC0678E0	NOK	16X26X7	AC1583	KOHL	471354!
AB7797E0	NOK	472179	AB7859E0	NOK	415725!	AC0684E1	NOK	16X28X7	AC1598E0	NOK	3638 *
AB7798E0	NOK	472439	AB7860E	NATSU	470625!	AC0684E1	NOK	221610	AC1598E0	NOK	471652
AB7799E0	NOK	472572!	AB7860E0	NOK	470625!	AC0687E0	NOK	221620	AC1599E0	NOK	471652
AB7800E0	NOK	473238!	AB7892E0	NOK	471270	AC0721E0	NOK	481481	AC1665E	NOK	30X42X7!
AB7801E0	NOK	473239!	AB7897E0	NOK	450375!	AC0736E0	NOK	221710	AC1665E0	NOK	1970
AB7802E	NOK	473240	AB7897E0	NOK	6936S!	AC0742E0	NOK	221720	AC1666E2	NOK	1970
AB7803E0	NOK	472319	AB7897E0	NOK	9845	AC0745E0	NOK	221720	AC1679A0	NOK	1981
AB7804E0	NOK	473241	AB7934E0	NOK	6370N	AC0750E1	NOK	221730	AC1682E0	NOK	223014 *
AB7805E0	NOK	472144!	AB7938E0	NOK	473447	AC0758E0	NOK	17X35X7	AC1691	OLIVE	471692!
AB7806E0	NOK	472394	AB7940E0	NOK	470530!	AC0759H0	NOK	17X35X7	AC1709A0	NOK	30X50X7
AB7807E	NOK	6936S	AB8036E0	NOK	471354!	AC0760A0	NOK	17X35X7	AC1719E0	NOK	30X52X7

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
AC1748G0	NOK	30X62X7	AC2861E0	NOK	225030	AC6900E0	NOK	471442!	AD0325F0	NOK	472810!
AC1765F0	NOK	30X72X10	AC2861E0	NOK	50X72X8!	AC7071E0	NOK	3395	AD0371E0	NOK	12X22X7!
AC1824E0	NOK	7412S	AC2864K0	NOK	225030	AC7071E0	NOK	352444!	AD0451E0	NOK	471442!
AC1838E0	NOK	471766!	AC2888E0	NOK	225050	AC7126E	NOK	353135	AD0456E0	NOK	471526!
AC1841E0	NOK	471766!	AC2908E0	NOK	352541	AC7126E	NOK	474278!	AD0554E	NOK	471551!
AC1853	KOHL	471354!	AC2964K0	NOK	225030	AC7126E0	NOK	353135	AD0598G0	NOK	221540
AC1880E0	NOK	223230	AC2967A0	NOK	52X75X12	AC7126E0	NOK	474278!	AD0638G0	NOK	7188S
AC1902E0	NOK	223255	AC2980E0	NOK	451948	AC7174E	NOK	471689!	AD0639E	NOK	351487
AC1904A0	NOK	1167	AC2980E0	NOK	472579!	AC7175E	NOK	471192	AD0645G0	NOK	471466!
AC2005E0	NOK	472258	AC3040A0	NOK	225530	AC7176E	NOK	473234!	AD0646E0	NOK	471466!
AC2007E0	NOK	6760S	AC3040A0	NOK	55X72X8!	AC7269E0	NOK	471750	AD0654E0	NOK	471264!
AC2016F0	NOK	473214	AC3055A0	NOK	55X78X10	AC7640E0	NOK	330385!	AD0657E0	NOK	471255!
AC2016F0	NOK	473214*	AC3072E0	NOK	225560	AC7669E0	NOK	471570!	AD0660F0	NOK	471612
AC2056E0	NOK	223520!	AC3072E0	NOK	55X85X10	AC7695E0	NOK	471276*	AD0678E	NOK	16X26X7
AC2057A	NOK	35X50X8!	AC3139E0	NOK	471272!	AC7696E0	NOK	470596	AD0678F0	NOK	16X26X7
AC2057A0	NOK	223520!	AC3147E	NOK	710136	AC7717E0	NOK	35X80X8	AD0685F0	NOK	221610
AC2057F0	NOK	223520!	AC3154A0	NOK	225880	AC7758E0	NOK	471442!	AD0687H0	NOK	221620
AC2065E0	NOK	35X52X8!	AC3204G	NOK	226018	AC7868E0	NOK	8X22X7!	AD0722F	NOK	481481*
AC2069E0	NOK	223535	AC3204G0	NOK	60X78X8	AC7873E0	NOK	481481	AD0723F0	NOK	17X35X7
AC2083J	NOK	223540	AC3222A0	NOK	2001	AC8004E0	NOK	351487	AD0745E1	NOK	221720
AC2084E	NOK	223542	AC3222E8	NOK	60X82X12!	AC81	FMC	415645!	AD0750F	NOK	221730
AC2084E	NOK	35X55X8!	AC3244E0	NOK	60X90X10	AC81	FMC	455104	AD0750F0	NOK	17X32X7!
AC2084E0	NOK	35X55X11!	AC3260E1	NOK	413247!	AC81	LK-BT	415645!	AD0751F	NOK	221730
AC2085A0	NOK	223542	AC3280E0	NOK	411500	AC81	LK-BT	455104	AD0751F0	NOK	221730
AC2162E0	NOK	223605	AC3297A0	NOK	226285	AC8202E0	NOK	472354!	AD0759E0	NOK	17X35X7
AC2205E	NOK	4989	AC3311A	OLIVE	476838!	AC8221E0	NOK	353120	AD0783F0	NOK	471529
AC2205E	NOK	710209	AC3409A0	NOK	226530	AC8226E0	NOK	473224!	AD0897E0	NOK	254270!
AC2205F	NOK	4989	AC3459A0	NOK	226850	AC8368E	NOK	710076	AD0900E0	NOK	254270!
AC2205F	NOK	710209	AC3505E0	NOK	227020	AC8368E0	NOK	710076	AD0913F0	NOK	470954!
AC2206E0	NOK	4989	AC3505E0	NOK	70X88X12	AC8419F	NOK	223240	AD0913F1	NOK	470954!
AC2218E0	NOK	223800	AC3519A	NOK	70X92X12	AC8419F	NOK	32X48X8!	AD0923F0	NOK	471554!
AC2222E	NOK	38X52X8.5!	AC3519A0	NOK	227045	AC8419F0	NOK	223240	AD0953F0	NOK	481443!
AC2222E0	NOK	38X52X7!	AC3527A0	NOK	70X95X13	AC8419F0	NOK	32X48X8!	AD0997H1	NOK	20X32X7!
AC2230E0	NOK	223832	AC3618E0	NOK	227550	AC8471E0	NOK	480210!	AD1012F2	NOK	222030
AC2240A0	NOK	1175	AC3732E	NOK	228010	AC8474E0	NOK	472354!	AD1013E0	NOK	222030
AC225374	IH	473010!	AC3732E	NOK	80X100X10!	AC8474F0	NOK	472354!	AD1015F0	NOK	222030
AC2253743	IH	450165	AC3732E1	NOK	80X100X10!	AC8491F0	NOK	32X48X8!	AD1032F0	NOK	20X40X10
AC2253743	IH	471801!	AC3744A	NOK	80X105X14!	AC8570W	NOK	1214	AD1033F0	NOK	20X40X10
AC2269E0	NOK	481163!	AC3744A0	NOK	228020	AC8570W	NOK	1214N	AD1127E0	NOK	222220
AC2272E0	NOK	480630!	AC3744A0	NOK	80X105X13!	AC8570W0	NOK	1214	AD1127G0	NOK	22X35X7
AC2296E0	NOK	473440!	AC3842G0	NOK	228520	AC8570W0	NOK	1214N	AD1147F0	NOK	22X42X10
AC2304G0	NOK	226018	AC3844A	NOK	228020	AC8570W0	NOK	43X55X8!	AD1172E0	NOK	7840S
AC2310E	NOK	1128	AC3844A	NOK	80X105X13!	AC9191	COC	450621	AD1181H0	NOK	471267!
AC2310E0	NOK	1128	AC3888E	NOK	416624!	AC9191	OLIVE	450621	AD1181H0	NOK	471267!
AC2318E0	NOK	473517!	AC3888E0	NOK	416624!	AC9191	WHITE	450621	AD1181J0	NOK	471267!
AC2322E0	NOK	473441	AC3932A0	NOK	90X115X12	AC9338	OLIVE	5976S	AD1190F0	NOK	471570!
AC2343E	NOK	1217	AC396	LK-BT	415072	AC9546	COC	472185!	AD1190F0	NOK	471570*
AC2343E0	NOK	224010	AC3994E0	NOK	229510	AC9546	OLIVE	472185!	AD1194E0	NOK	471646!
AC2343E0	NOK	40X52X7!	AC4007E0	NOK	229520	ACA4000	LEYLD	471192	AD1198F0	NOK	471730
AC2361E	NOK	224020	AC4063G2	NOK	231003	ACC060A0	NOK	20X35X7!	AD1250R	JOHND	415995!
AC2361E	NOK	40X55X8!	AC4212E0	NOK	231108	ACC178A0	NOK	45X62X8!	AD1251R	JOHND	416654!
AC2361E0	NOK	224020	AC4282F0	NOK	115X145X14	ACC370A0	NOK	20X52X7	AD1260R	JOHND	416339
AC2369A0	NOK	40X58X10!	AC4282I0	NOK	115X145X15	ACC394A1	NOK	35X47X7!	AD1260R	JOHND	455031!
AC2375E0	NOK	224040	AC4346F0	NOK	120X150X12	ACC434B0	NOK	223550	AD1268	JOHND	416339
AC2379E0	NOK	224040	AC4346F0	NOK	231206	ACC464A0	NOK	15X35X7	AD1268	JOHND	455031!
AC2379E0	NOK	40X60X10!	AC4451F2	NOK	130X160X12	ACC479A0	NOK	70X90X10!	AD1306H1	NOK	222535
AC2388A0	NOK	224045	AC4451F2	NOK	231302	ACC522A0	NOK	25X42X10	AD1307E0	NOK	222535
AC2390E0	NOK	224045	AC4484E	NOK	417262!	ACC522A0	NOK	25X42X8!	AD1314F0	NOK	222541
AC2493E0	NOK	1953	AC4484E0	NOK	417262!	ACC542A0	NOK	17X30X7	AD1337F0	NOK	25X45X8
AC2576F0	NOK	6703S	AC4542E0	NOK	231404	ACC628A1	NOK	12X26X7	AD1351E1	NOK	222560
AC2643E0	NOK	224520	AC4568E	NOK	417555!	ACC635A0	NOK	28X40X7!	AD1358E0	NOK	222820
AC2651F0	NOK	45X62X8!	AC4568E0	NOK	417555!	ACC639A0	NOK	35X52X8!	AD1377	JOHND	450593!
AC2668A0	NOK	224560	AC4581E0	NOK	145X175X15	ACC640A0	NOK	17X40X7	AD1403E0	NOK	252277
AC2774F0	NOK	224830	AC4624E1	NOK	231502	ACC646A0	NOK	30X47X7!	AD1407E0	NOK	472311!
AC2774F0	NOK	48X62X8!	AC4672E0	NOK	155X190X15	ACC656A0	NOK	60X80X8!	AD1410F1	NOK	471224!
AC2775F	NOK	224820	AC4713E0	NOK	160X190X15	ACC752A0	NOK	85X130X13	AD1410G0	NOK	471224!
AC2775F0	NOK	48X62X8!	AC484	LK-BT	415066	ACC7538	FRUEH	H075	AD1410H0	NOK	471224!
AC2780E0	NOK	1973	AC4898E0	NOK	180X210X15	ACC956A0	NOK	25X62X10	AD1412F0	NOK	471224!
AC2780E0	NOK	48X65X10!	AC4975E0	NOK	231905	ACF4004	LEYLD	1035 =	AD1412F0	NOK	471224*
AC2791A0	NOK	1994	AC5204E1	NOK	232205	AD0227E0	NOK	350156	AD1430E	NOK	471649!
AC2847E0	NOK	225020	AC6763E0	NOK	471192	AD0227E0	NOK	473096!	AD1430F	NOK	471649!
AC2854E0	NOK	1189	AC6897E0	NOK	17X29X7	AD0325E	NOK	472810!	AD1430F1	NOK	471649!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
AD1431F NOK		471649!	AD2375F0 NOK		710147	AD3193F0 NOK		60X75X8!	AD3994J2 NOK		95X120X12!
AD1446E0 NOK		471760	AD2388E0 NOK		224045	AD3204E0 NOK		60X78X8	AD4017E0 NOK		415379
AD1469E0 NOK		26X40X7!	AD2390I0 NOK		224045	AD3222H1 NOK		60X82X12!	AD4017F NATSU		415379
AD1598E0 NOK		471652	AD2398E NOK		1216	AD3222I0 NOK		2001	AD4019E0 NOK		415035
AD1598F0 NOK		471652=	AD2398E NOK		1216N	AD3224E0 NOK		2001	AD4019E0 NOK		415035!
AD1598F1 NOK		471652	AD2398G0 NOK		1216	AD3253E0 NOK		470565!	AD4020E NATSU		416339
AD1598F2 NOK		471652	AD2398G0 NOK		1216N	AD3259E0 NOK		413247!	AD4020E0 NOK		416339
AD1617E0 NOK		471763	AD2402E NOK		474161	AD3297F0 NOK		226285	AD4037E NATSU		416345!
AD1617F0 NOK		471763	AD2402E0 NOK		40X65X10	AD3338E0 NOK		471271!	AD4037E0 NOK		416345!
AD1623E NOK		1989	AD2403I0 NOK		40X65X10	AD3338F NOK		471271!	AD4063A0 NOK		231003
AD1623E0 NOK		1989	AD2405E0 NOK		40X65X10	AD3338F0 NOK		471271!	AD4095E NOK		417506
AD1636E NOK		474260!	AD2459E NOK		1192	AD3347E NATSU		415449!	AD4095E0 NOK		417506
AD1666E0 NOK		1970	AD2459E0 NOK		1192	AD3347E0 NOK		415449!	AD4109E NATSU		415035
AD1671G0 NOK		223012	AD2480E NOK		42X55X8!	AD3388 NOK		65X82X8	AD4109E0 NOK		415035*
AD1671G0 NOK		30X44X7!	AD2480E0 NOK		42X55X8!	AD3388E NOK		710094	AD4109E0 NOK		415035!
AD1679G0 NOK		223014	AD2482E NOK		224200	AD3388E0 NOK		710094	AD4116E NATSU		417356!
AD1699E0 NOK		30X48X8	AD2493E0 NOK		42X60X7!	AD3400L0 NOK		65X88X10	AD4116E0 NOK		417506
AD1705E0 NOK		30X50X7	AD2507H0 NOK		42X65X10!	AD3400L0 NOK		65X88X8!	AD4180E NATSU		415196!
AD1709E0 NOK		30X50X7	AD2507I0 NOK		224255	AD3409J0 NOK		226530	AD4180E NATSU		475196=
AD1779E0 NOK		471765!	AD2527E0 NOK		473317	AD3409J0 NOK		65X90X10!	AD4180E0 NOK		415196!
AD1820E0 NOK		322353	AD2528E0 NOK		470460	AD3440E0 NOK		415458	AD4212A0 NOK		231108
AD1820E0 NOK		474278!	AD2565E NOK		710283	AD3459E0 NOK		68X90X10!	AD4255E NATSU		416888!
AD1826F0 NOK		471413!	AD2599F0 NOK		472179	AD3459H0 NOK		226850	AD4255F1 NOK		416888!
AD1828E0 NOK		471413!	AD2604E0 NOK		471984	AD3478E NATSU		416664!	AD4262E NATSU		416892!
AD1832E0 NOK		471737	AD2643G0 NOK		224520	AD3478E0 NOK		416664!	AD4262E0 NOK		416892!
AD1836E0 NOK		470706=	AD2651G0 NOK		1185	AD3480E0 NOK		415984!	AD4329E0 NOK		120X140X13
AD1838E0 NOK		471766!	AD2655F NOK		1992	AD3505H0 NOK		227020	AD4346A0 NOK		231206
AD1841F0 NOK		471766!	AD2655F0 NOK		1992	AD3519K NOK		70X92X12	AD4362E NATSU		415138!
AD1841F0 NOK		471766*	AD2655F0 NOK		45X65X8!	AD3519K0 NOK		227045	AD4362E0 NOK		415138!
AD1894E0 NOK		223240	AD2666F0 NOK		45X68X7!	AD3527H0 NOK		70X95X13	AD4370E NOK		415066
AD1904F0 NOK		1167	AD2668G0 NOK		224560	AD3532E0 NOK		227060	AD4370E0 NOK		415066
AD1929F0 NOK		710070	AD2685E0 NOK		224570	AD3553E0 NOK		417485	AD4399A0 NOK		125X155X15
AD2002E NOK		1097N	AD2752E0 NOK		472439	AD3573E NATSU		416921!	AD4443G NOK		130X150X15
AD2002E0 NOK		1097N	AD2763Y NOK		1959	AD3573E0 NOK		416921!	AD4443G0 NOK		130X150X10
AD2005G NOK		472258!	AD2763Y0 NOK		1959	AD3574F0 NOK		416921!	AD4451A0 NOK		231302
AD2005G0 NOK		472258	AD2780G0 NOK		224820	AD3589E NOK		416654	AD4524E NOK		416107!
AD2005G1 NOK		472258!	AD2791E0 NOK		1994	AD3589E0 NOK		416654	AD4524E1 NOK		416107!
AD2005G2 NOK		472258!	AD2791J0 NOK		712010	AD3590E0 NOK		416654!	AD4542A0 NOK		140X170X15
AD2007F NOK		470774!	AD2838F0 NOK		225010	AD3618I0 NOK		227550	AD4542A0 NOK		231404
AD2007F0 NOK		470774!	AD2838F1 NOK		225010	AD3664E NATSU		415995!	AD4581A0 NOK		145X175X15
AD2066E0 NOK		223535	AD2847F0 NOK		50X68X8!	AD3664E0 NOK		415995*	AD4601E NOK		416666
AD2066E0 NOK		35X52X8!	AD2862E0 NOK		225035	AD3664E0 NOK		415995!	AD4601E0 NOK		416666
AD2077E0 NOK		35X54X8!	AD2864G0 NOK		225035	AD3673E NOK		417487!	AD4624A0 NOK		231502
AD2081G NOK		35X55X8!	AD2867F0 NOK		225035	AD3673E NOK		417487*	AD4654E NOK		415072
AD2081G0 NOK		35X55X11!	AD2888F0 NOK		50X80X8	AD3673E0 NOK		417487!	AD4654E0 NOK		415072
AD2085G0 NOK		223542	AD2913E0 NOK		471424!	AD3673E0 NOK		417487*	AD4713A0 NOK		160X190X15
AD2085N NOK		35X55X8!	AD2913F NOK		471424!	AD3675E NOK		417488!	AD4795A0 NOK		170X200X15
AD2085N0 NOK		35X55X11!	AD2919E NOK		472492!	AD3675E0 NOK		417488!	AD4795A0 NOK		231705
AD2107E0 NOK		35X60X10!	AD2919F0 NOK		472492!	AD3704E NOK		416404!	AD4898A0 NOK		231805
AD2107E0 NOK		710201	AD2919G0 NOK		472492=	AD3704E0 NOK		416404!	AD4898A3 NOK		180X210X15
AD2132F NOK		473258	AD2920F0 NOK		472492!	AD3705E NATSU		417621!	AD5283A0 NOK		230X260X15
AD2132F0 NOK		35X62X10	AD2920F1 NOK		472492!	AD3705E0 NOK		417621!	AD5341E NOK		240X270X16!
AD2230I0 NOK		223832	AD2931F0 NOK		472397!	AD3705E0 NOK		417621*	AD5341E0 NOK		240X270X15!
AD2230W0 NOK		38X55X7!	AD2942E0 NOK		410102	AD3706F NOK		417621	AD5843E0 NOK		360X400X20
AD2240I0 NOK		1175	AD2955Y NOK		1955	AD3706F0 NOK		417621	AD6299E0 NOK		471733
AD2240K0 NOK		38X58X8!	AD2955Y NOK		52X65X9!	AD3708E NATSU		416288!	AD6787E0 NOK		473197!
AD2261G NOK		1177	AD2955Y0 NOK		1955	AD3708E0 NOK		416288!	AD6787E0 NOK		473197*
AD2261G0 NOK		1177	AD2955Y0 NOK		52X65X9!	AD3744J0 NOK		228020	AD6789E NOK		473235!
AD2261H NOK		1177	AD2967E0 NOK		52X75X12	AD3795E NOK		476470	AD6789E0 NOK		473235!
AD2267E0 NOK		474276!	AD2994E0 NOK		470898	AD3796E NATSU		476470	AD6858E0 NOK		5206
AD2322E0 NOK		473441	AD3000E0 NOK		472015!	AD3796E0 NOK		476470	AD6890E NOK		27X47X8
AD2323E0 NOK		473442!	AD3005F0 NOK		472409!	AD3809E NATSU		418028	AD6890E0 NOK		27X47X10
AD2343E0 NOK		224015	AD3005F1 NOK		472409!	AD3809E0 NOK		418028*	AD6922E NOK		471733
AD2353Y NOK		1213N	AD3040F0 NOK		225530	AD3809E0 NOK		418028!	AD6942E0 NOK		471231!
AD2353Y0 NOK		1213N	AD3055H0 NOK		55X78X10	AD3842I0 NOK		228520	AD7049Y NOK		710051
AD2353Y0 NOK		40X54X6!	AD3135E NATSU		412920!	AD3891E NATSU		415991	AD7049Y0 NOK		35X47X7!
AD2359G NOK		224020	AD3135E0 NOK		412920!	AD3891E NATSU		476414=	AD7049Y0 NOK		710051
AD2359G NOK		40X55X8!	AD3135E1 NOK		412920!	AD3891E0 NOK		415991	AD7079E NATSU		416273=
AD2359G0 NOK		224020	AD3148E0 NOK		225875	AD3932J0 NOK		90X115X12	AD7079E NATSU		416273
AD2369F0 NOK		40X58X10!	AD3154F0 NOK		225880	AD3963E NATSU		415937!	AD7079E0 NOK		416273
AD2375F NOK		710147	AD3154F0 NOK		58X80X8	AD3963E0 NOK		415937!	AD7079E0 NOK		416273
AD2375F0 NOK		40X60X10!	AD3167E0 NOK		472150=	AD3994G0 NOK		229510	AD7079F0 NOK		416273

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
AD7079R NOK	416273	AD7768E0 NOK	473203	AD7827E0 NOK	417316!	AD7859E0 NOK	415725!
AD7092E0 NOK	472164!	AD7769E0 NOK	472475	AD7828E NATSU	415303!	AD7860E0 NOK	470625!
AD7095E0 NOK	472164!	AD7770E0 NOK	473205!	AD7828E0 NOK	415303!	AD7860E1 NOK	470625!
AD7095E1 NOK	472164!	AD7771E NOK	473210	AD7829E NATSU	417344!	AD7877E0 NOK	471821!
AD7095F0 NOK	472164!	AD7772E0 NOK	473211!	AD7829E0 NOK	417344!	AD7898E0 NOK	472082
AD7096E0 NOK	470712!	AD7773E0 NOK	473212!	AD7830E NATSU	417158!	AD7915E0 NOK	417344=
AD7110E0 NOK	471276=	AD7774E0 NOK	473213!	AD7830E0 NOK	417158!	AD8008E0 NOK	414268!
AD7111E1 NOK	471538!	AD7775E0 NOK	473214!	AD7831E NATSU	417349!	AD8011E0 NOK	473446
AD7127E0 NOK	471795	AD7776E0 NOK	473215!	AD7831E0 NOK	417349!	AD8014E0 NOK	471984
AD7127E1 NOK	471795	AD7777E0 NOK	473224!	AD7832E NATSU	417350!	AD8018E0 NOK	451078!
AD7149E0 NOK	472324!	AD7778E0 NOK	473016!	AD7832E0 NOK	417350!	AD8035E0 NOK	471379
AD7151E0 NOK	472179	AD7779E0 NOK	473225!	AD7833E NATSU	417351!	AD8058E0 NOK	45X58X7!
AD7153F0 NOK	471272!	AD7780E0 NOK	473226	AD7833E0 NOK	417351!	AD8062E0 NOK	480630*
AD7175E0 NOK	471192	AD7781E0 NOK	473227!	AD7834E NATSU	417171!	AD8062E0 NOK	480630!
AD7268E NOK	471764*	AD7782E0 NOK	470380!	AD7834E0 NOK	417171!	AD8206E NOK	710008
AD7268E NOK	471764!	AD7782E1 NOK	470380!	AD7835E0 NOK	417172	AD8206E0 NOK	710008
AD7268E0 NOK	471764!	AD7783E0 NOK	473228!	AD7836E NATSU	417181!	AD8209E NOK	2009
AD7268E0 NOK	471764*	AD7784E0 NOK	472213	AD7836E0 NOK	417181!	AD8209E0 NOK	2009
AD7282E NATSU	416135!	AD7785E0 NOK	472299	AD7837E NATSU	417353!	AD8209F NOK	2009
AD7282E NATSU	476135=	AD7786E0 NOK	473229!	AD7837E0 NOK	417353!	AD8213E0 NOK	473380
AD7282E0 NOK	416135!	AD7787E NOK	470682	AD7838E NATSU	416294!	AD8217E0 NOK	471833
AD7408E0 NOK	415960	AD7787E0 NOK	470682	AD7838E0 NOK	416294!	AD8236E0 NOK	471736
AD7410E0 NOK	471138!	AD7788E0 NOK	473230!	AD7839E NATSU	412473!	AD8360E0 NOK	471692!
AD7410E1 NOK	471138!	AD7789E0 NOK	473010!	AD7839E0 NOK	412473*	AD8362E0 NOK	481443!
AD7553E0 NOK	322353	AD7790E0 NOK	473232!	AD7839E0 NOK	412473!	AD8377E0 NOK	481792
AD7553E0 NOK	474278!	AD7791E0 NOK	473233!	AD7839E1 NOK	412473*	AD8404E0 NOK	471831!
AD7591E0 NOK	453065	AD7792E0 NOK	473234!	AD7839E1 NOK	412473!	AD8419E0 NOK	476281
AD7613E0 NOK	412861	AD7793E0 NOK	473235	AD7840E NATSU	417191	AD8442E0 NOK	470774!
AD7625E0 NOK	471818	AD7794E0 NOK	473236!	AD7840E0 NOK	417191	AD8465E0 NOK	471981
AD7643E0 NOK	471612	AD7795E0 NOK	473237!	AD7841E NATSU	417354!	AD8466E0 NOK	471645
AD7646E0 NOK	472649	AD7796E0 NOK	472185!	AD7841E0 NOK	417354!	AD8473E0 NOK	470328
AD7646E1 NOK	472649	AD7797E0 NOK	472179	AD7842E NATSU	416624!	AD8473E0 NOK	481213!
AD7647E0 NOK	472951!	AD7798E0 NOK	472439	AD7842E0 NOK	416624!	AD8475E0 NOK	1215
AD7647E0 NOK	474252*	AD7799E0 NOK	472572!	AD7843E NATSU	417196!	AD8475E0 NOK	1215N
AD7651E0 NOK	472950*	AD7800E0 NOK	473238!	AD7843E0 NOK	417196!	AD8480E NOK	225110
AD7653E0 NOK	477104=	AD7801E0 NOK	473239!	AD7844E NATSU	415437	AD8480E NOK	51X65X7!
AD7654E0 NOK	473380	AD7802E0 NOK	473240!	AD7844E NATSU	475437=	AD8480E0 NOK	50X65X8!
AD7656E0 NOK	472655	AD7803E0 NOK	472319	AD7844E0 NOK	415437	AD8527E0 NOK	473313!
AD7657E1 NOK	472953	AD7804E0 NOK	473241	AD7845E NATSU	416332!	AD8537E0 NOK	55X90X13
AD7658E0 NOK	473243	AD7805E0 NOK	472144!	AD7845E0 NOK	416332!	AD8541E0 NOK	477340=
AD7662E0 NOK	472644	AD7806E0 NOK	472394	AD7845E0 NOK	416332*	AD8555E0 NOK	471958
AD7665E0 NOK	471904*	AD7807E0 NOK	472924!	AD7846E NATSU	417355!	AD8582E NOK	710247
AD7666E0 NOK	473427	AD7808E0 NOK	473242	AD7846E0 NOK	417355!	AD8582E0 NOK	1987
AD7667E0 NOK	470596	AD7809E0 NOK	473204	AD7847E NATSU	416125!	AD8582E0 NOK	710247
AD7668E0 NOK	476820	AD7810E0 NOK	472015!	AD7847E0 NOK	416125!	AD8717E0 NOK	413470!
AD7670E0 NOK	477105=	AD7810F0 NOK	472015=	AD7848E NATSU	476041=	AD8734E0 NOK	471344
AD7671E0 NOK	476808=	AD7811E0 NOK	473517	AD7848E0 NOK	416041	AD8754E0 NOK	471835!
AD7678E0 NOK	472660	AD7812E NATSU	473243	AD7849E NATSU	417205!	AD8948E0 NOK	470390
AD7679E0 NOK	476878=	AD7812E0 NOK	473243	AD7849E0 NOK	417205!	AD8948F NOK	470390
AD7680E0 NOK	472954	AD7813E0 NOK	473244!	AD7850E NATSU	417211!	AD8948F0 NOK	470390
AD7683E0 NOK	472653!	AD7814E0 NOK	472018	AD7850E0 NOK	417211!	AD8965E0 NOK	4250
AD7699E NOK	470606!	AD7815E0 NOK	472020	AD7851E NATSU	415697!	AD9109E NOK	457295
AD7699E0 NOK	470606!	AD7816E0 NOK	473245!	AD7851E0 NOK	415697!	AD9109E0 NOK	457295
AD7700E NOK	710410	AD7817E0 NOK	472636!	AD7852E NATSU	417366!	ADD012B0 NOK	38X74X11
AD7705E0 NOK	470806*	AD7818E NATSU	413246	AD7852E0 NOK	417366!	ADD012B0 NOK	38X74X8!
AD7706E0 NOK	472651=	AD7818E0 NOK	413246!	AD7853E NATSU	417357	ADD042A0 NOK	50X65X8!
AD7707E0 NOK	472642	AD7819E NATSU	413247!	AD7853E0 NOK	417357	ADD085A0 NOK	75X100X12!
AD7708E0 NOK	471276	AD7819E0 NOK	413247!	AD7854E NATSU	416130!	ADD135A0 NOK	1176*
AD7709E0 NOK	471281!	AD7820E NATSU	416271!	AD7854E NATSU	476130=	ADD135A0 NOK	38X65X8!
AD7710E0 NOK	473197!	AD7820E0 NOK	416271!	AD7854E0 NOK	416130!	ADD714A0 NOK	20X30X7
AD7710E0 NOK	473197*	AD7820E1 NOK	416271=	AD7855E NATSU	472157	AE-1677H NOK	223014
AD7758E0 NOK	471442!	AD7821E0 NOK	470605!	AD7855E NATSU	476556=	AE-1677H0 NOK	223014
AD7759E0 NOK	471472!	AD7822E NATSU	413248	AD7855E0 NOK	416556!	AE0134E0 NOK	8X16X7!
AD7760E0 NOK	471564	AD7822E0 NOK	413248	AD7855E0 NOK	472157*	AE0145F0 NOK	220818
AD7761E0 NOK	471567!	AD7823E NATSU	415483=	AD7856E NATSU	416891!	AE0145F0 NOK	8X18X7!
AD7762E0 NOK	471643!	AD7823E NATSU	415483	AD7856E0 NOK	416891!	AE0205A0 NOK	9X22X7
AD7763E0 NOK	471570!	AD7823E0 NOK	415483	AD7857E NATSU	416153!	AE0226E0 NOK	350156*
AD7764E0 NOK	470590	AD7824E0 NOK	415458!	AD7857E0 NOK	416153!	AE0279A0 NOK	10X25X7
AD7765E0 NOK	471689!	AD7825E NATSU	417343!	AD7858E NATSU	417247!	AE0318E0 NOK	6863S!
AD7766E0 NOK	471692!	AD7825E0 NOK	417343!	AD7858E0 NOK	417247!	AE0325H0 NOK	472810!
AD7767E0 NOK	470712!	AD7826E NATSU	415984!	AD7859E NATSU	415725!	AE0328F0 NOK	6863S!
AD7767E1 NOK	470712!	AD7826E0 NOK	415984!	AD7859E NATSU	475725=	AE0371E0 NOK	12X22X7!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

AE0382A0 – AE3618A0

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
AE0382A0	NOK	12X25X7	AE1179E0	NOK	353132	AE2081E0	NOK	35X55X8!	AE2668Y0	NOK	224560
AE0387E0	NOK	12X28X7	AE1232E0	NOK	471571	AE2081E0	NOK	223542	AE2668Y0	NOK	45X68X7!
AE0442G	NOK	342613!	AE1260A0	NOK	222430	AE2081I	NOK	223540	AE2676E0	NOK	45X70X10
AE0442G0	NOK	342613!	AE1260A1	NOK	24X40X7!	AE2081I0	NOK	223540	AE2685N	NOK	710270
AE0451E	NOK	471442!	AE1292G0	NOK	222510	AE2085A	NOK	35X55X8!	AE2774E0	NOK	48X62X8!
AE0451F0	NOK	471442!	AE1306E0	NOK	222535	AE2085A0	NOK	35X55X11!	AE2774F	NOK	224810
AE0452E	NOK	471442!	AE1306K0	NOK	222535	AE2094E0	NOK	35X56X10!	AE2774G	NOK	224810
AE0514G0	NOK	14X24X7	AE1307E1	NOK	222535	AE2108E0	NOK	35X60X10!	AE2774G0	NOK	224810
AE0519J	NOK	710116	AE1314A0	NOK	222541	AE2218E0	NOK	38X50X7!	AE2774G03X1	NOK	224810
AE0519J0	NOK	14X25X5	AE1314A0	NOK	25X40X7!	AE2231E	NOK	223831	AE2775E0	NOK	224820
AE0523E1	NOK	14X26X7	AE1315F0	NOK	222541	AE2231E0	NOK	223831	AE2780F0	NOK	224820
AE0526A0	NOK	14X30X7	AE1322F0	NOK	25X42X8!	AE2231E0	NOK	38X55X7!	AE2786E	NOK	1945
AE0582E	NOK	2027	AE1335E0	NOK	25X45X8	AE2240-A0	NOK	1175	AE2786E	NOK	228480
AE0582E0	NOK	15X24X7	AE1337F0	NOK	25X45X8	AE2240-A0	NOK	38X58X8!	AE2786E0	NOK	1945
AE0584F0	NOK	15X24X7	AE1338A0	NOK	25X45X8	AE2240-A0	NOK	710319	AE2786E0	NOK	228480
AE0586G	NOK	15X25X6	AE1351E0	NOK	222560	AE2240J0	NOK	222560	AE2788H	NOK	1994
AE0586G0	NOK	15X25X5	AE1351E0	NOK	25X47X7	AE2280E	NOK	470625!	AE2788H	NOK	48X70X9!
AE0598A0	NOK	221540	AE1377F0	NOK	25X52X10	AE2343E0	NOK	224015	AE2788H1	NOK	1994
AE0604E0	NOK	15X32X8	AE1377H0	NOK	25X52X7!	AE2343E0	NOK	40X52X7!	AE2788H1	NOK	48X70X9!
AE0654E0	NOK	471264!	AE1442E0	NOK	222560	AE2359H	NOK	224020	AE2791A0	NOK	1994
AE0658E0	NOK	450557	AE1450E0	NOK	472138	AE2359H	NOK	40X55X8!	AE2808E	NOK	710305
AE0658E0	NOK	471255!	AE1452E0	NOK	471516!	AE2359H0	NOK	224020	AE2808E0	NOK	710305
AE0678F1	NOK	16X26X7	AE1474A0	NOK	26X42X10	AE2365E0	NOK	224026	AE2831E	NOK	225005
AE0685G0	NOK	221610	AE1512F	NOK	1990	AE2365G	NOK	224026	AE2847E0	NOK	225020
AE0687A0	NOK	221620	AE1512F0	NOK	27X43X8!	AE2369A0	NOK	40X58X10!	AE2847Y0	NOK	50X68X8!
AE0742L0	NOK	17X30X7	AE1518A0	NOK	27X47X8	AE2375E0	NOK	40X60X10!	AE2854E0	NOK	1189
AE0743E0	NOK	17X30X7	AE15290	WILYS	471538!	AE2386H	NOK	224045	AE2862E1	NOK	225035
AE0745E1	NOK	221720	AE1558P	NOK	28X47X7!	AE2386H	NOK	40X62X8!	AE2862E1	NOK	50X72X8!
AE0751H0	NOK	17X30X7	AE1558P0	NOK	28X47X7!	AE2386H1	NOK	224045	AE2864A0	NOK	225035
AE0751H0	NOK	221730	AE1599E	NOK	471652	AE2386H1	NOK	40X62X12!	AE2864G0	NOK	50X72X8!
AE0760H0	NOK	17X35X7	AE1666F0	NOK	1970	AE2388A0	NOK	224045	AE2864P	NOK	225035*
AE0771F1	NOK	17X40X7	AE1679A0	NOK	223014	AE2390K0	NOK	224045	AE28879	JOHND	481181!
AE0815E	NOK	18X30X7!	AE1679A0	NOK	30X45X5!	AE2403I	NOK	710269	AE2888E	NOK	50X80X8
AE0815E	NOK	221820	AE1679H0	NOK	1981	AE2405E1	NOK	40X65X10	AE2888E0	NOK	225050
AE0815E0	NOK	18X30X7!	AE1679H0	NOK	30X45X8!	AE2419E	NOK	350572	AE2919E0	NOK	472492!
AE0815E0	NOK	221820	AE1679L0	NOK	1981	AE2420E0	NOK	40X72X7	AE2942E0	NOK	410102
AE0817E0	NOK	18X30X7!	AE1692E1	NOK	223020	AE2420F	NOK	710523	AE2955E0	NOK	52X65X9!
AE0817E0	NOK	221820	AE1692E1	NOK	30X47X7!	AE2426G	NOK	710113	AE2960F	NOK	225230
AE0823E0	NOK	18X32X8!	AE1705G0	NOK	30X50X7	AE24599	JOHND	470380!	AE2960F	NOK	52X72X8!
AE0829A0	NOK	18X35X7	AE1709A0	NOK	30X50X7	AE2483E0	NOK	224210	AE2960F0	NOK	225230
AE0829E0	NOK	18X35X7	AE1723F0	NOK	223035	AE2492E	NOK	1953	AE2960F0	NOK	52X72X8!
AE0870E0	NOK	19X32X8!	AE1736E0	NOK	30X55X10	AE2492E0	NOK	1953	AE29658	JOHND	5650
AE0870E0	NOK	221922	AE17384	WILYS	330385	AE2492E0	NOK	42X60X7!	AE2965F1	NOK	52X75X12
AE0875A	NOK	19X35X10!	AE1820E0	NOK	322353	AE2493E0	NOK	1953	AE2967A0	NOK	52X75X12
AE0875A0	NOK	19X35X10!	AE1820E0	NOK	474278!	AE2493J	NOK	1953	AE3012E0	NOK	54X72X10!
AE0880E0	NOK	19X38X7	AE1820F	NOK	322353	AE2493J	NOK	42X60X7!	AE3040A0	NOK	225530
AE0900E0	NOK	1049	AE1820F	NOK	474278	AE2507A1	NOK	42X65X10!	AE30471	JOHND	471760
AE0913E0	NOK	470954!	AE1884E0	NOK	32X46X6!	AE2520F	NOK	710195	AE3055A0	NOK	55X78X10
AE0915F0	NOK	470954!	AE1894G0	NOK	223240	AE2520F0	NOK	710195	AE3072F0	NOK	55X85X10
AE0917E0	NOK	221820	AE1894G0	NOK	32X48X8!	AE2589E0	NOK	472164!	AE3103E	NOK	1984
AE0929A0	NOK	18X35X7	AE1902E0	NOK	223255	AE2596E0	NOK	323119	AE3148F1	NOK	225875
AE0948E0	NOK	472237 =	AE1904A0	NOK	1167	AE2643E0	NOK	224520	AE3148F1	NOK	58X75X11
AE0955E0	NOK	222075	AE1904A0	NOK	32X52X7!	AE2643E1	NOK	224520	AE3154A0	NOK	225880
AE0984H0	NOK	20X30X7	AE1952E	NOK	1953	AE2644W0	NOK	45X60X10!	AE3193F0	NOK	60X75X8
AE0997E0	NOK	222020	AE1952E0	NOK	1953	AE2650E0	NOK	1012	AE3222A0	NOK	2001
AE1012G0	NOK	222030	AE1952E0	NOK	42X60X7!	AE2650E0	NOK	1012N	AE3222H0	NOK	60X82X12!
AE1013A0	NOK	20X35X7!	AE2005E0	NOK	472258!	AE2650E0	NOK	45X62X8!	AE3290E0	NOK	62X80X10
AE1013A0	NOK	222030	AE2011E0	NOK	471192*	AE2651A0	NOK	1185	AE3290E2	NOK	62X80X10
AE1017F0	NOK	20X36X7	AE2022E	NOK	450456!	AE2651A0	NOK	45X62X8!	AE3297A0	NOK	226285
AE10212	WILYS	471466!	AE2022E0	NOK	323125	AE2653E	NOK	1012	AE3297A0	NOK	62X85X8!
AE1029E0	NOK	222050	AE2022E0	NOK	450456!	AE2653E	NOK	1012N	AE3400A0	NOK	65X88X10
AE1032F0	NOK	20X40X7!	AE2041E	NOK	223510	AE2653E0	NOK	1012	AE3400A0	NOK	65X88X8!
AE1032G0	NOK	20X40X10	AE2048F3	NOK	35X47X7!	AE2653E0	NOK	1012N	AE3409A0	NOK	226530
AE1033A0	NOK	20X40X10	AE2048M	NOK	1108	AE2653E0	NOK	45X62X8!	AE3409Q0	NOK	65X90X10!
AE1035E0	NOK	20X42X10	AE2057A0	NOK	223520!	AE2658W0	NOK	45X65X8!	AE3519A0	NOK	227045
AE1048P0	NOK	20X47X7	AE2060G0	NOK	35X50X8!	AE2666E0	NOK	224560	AE3519A2	NOK	70X92X12
AE1139E0	NOK	22X40X7	AE2067E1	NOK	35X52X8!	AE2668A0	NOK	224560	AE3521E0	NOK	227045
AE1140E	NOK	22X40X7	AE2068E0	NOK	223535	AE2668R	NOK	45X68X7!	AE3527E	NOK	70X95X10
AE1140E0	NOK	22X40X7	AE2071F0	NOK	223535	AE2668R0	NOK	224560	AE3527E0	NOK	70X95X13
AE1145E0	NOK	22X42X10	AE2072E0	NOK	223535	AE2668R0	NOK	45X68X7!	AE3611E0	NOK	75X95X10!
AE1148A0	NOK	22X42X10	AE2072F0	NOK	35X52X8!	AE2668Y	NOK	224560	AE3618A0	NOK	227550
AE1148E0	NOK	22X42X10	AE2081	NOK	35X55X11	AE2668Y	NOK	45X68X7!	AE3618A0	NOK	75X100X12!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
AE3733G0	NOK	80X100X10!	AE7912E0	NOK	222560	AF1035E	NOK	20X42X10	AF2749E0	NOK	350936
AE3744A0	NOK	228020	AE7925E0	NOK	473196=	AF1035E0	NOK	20X42X10!	AF2772E0	NOK	48X62X8!
AE37476	JOHND	415449!	AE7939E0	NOK	472311!	AF1035E0	NOK	20X42X7	AF2788R	JOHND	474276!
AE37477	JOHND	471831!	AE8004E0	NOK	351487	AF1035E0	NOK	222060	AF2861E0	NOK	50X72X8!
AE3786E	NOK	1945	AE8013E0	NOK	471076	AF1075E0	NOK	471645*	AF2911R	JOHND	450129
AE3786E	NOK	228480	AE8073E0	NOK	415082	AF1124E0	NOK	22X35X7	AF2911R	JOHND	472826!
AE3786E	NOK	82X105X13!	AE8326E	NOK	221540	AF1155R	JOHND	472016	AF2920R	JOHND	474276!
AE3786E0	NOK	1945	AE8364E0	NOK	471570!	AF1156R	JOHND	415458!	AF2936E	NOK	473463
AE3786E0	NOK	228480	AE8379E	NOK	224252	AF1177E0	NOK	7014S	AF2993F0	NOK	40566S
AE3842A0	NOK	228520	AE8379E0	NOK	224252	AF1178E	NOK	7014S	AF3034E	NOK	225505
AE3932A0	NOK	90X115X12	AE8379E0	NOK	42X62X8!	AF1178E0	NOK	7014S	AF3034E	NOK	55X70X8!
AE3994A0	NOK	229510	AE8427E0	NOK	471766!	AF1181E	NOK	471267	AF3034E0	NOK	225505
AE4007E0	NOK	229520	AE8441E0	NOK	323133	AF1181E0	NOK	471267	AF3034E0	NOK	55X70X8!
AE4007E0	NOK	95X130X12!	AE8444E0	NOK	17X27X7	AF1190A	FORD	6815	AF3044F0	NOK	1207
AE4054P0	NOK	100X120X12*	AE8472E0	NOK	30X62X7	AF1190A1	FORD	6815	AF3044F0	NOK	1207N
AE4054P0	NOK	231004	AE8548E0	NOK	323126	AF1190A2	FORD	6815	AF3065E	NOK	55X82X12!
AE4063A0	NOK	100X125X12!*	AE8548E0	NOK	474278!	AF1399E0	NOK	240731	AF3065E0	NOK	55X82X12!
AE4063F0	NOK	231003	AE8558E0	NOK	472238*	AF1402F0	NOK	441130N=	AF3134E	NOK	412920
AE4212H1	NOK	231108	AE8798G	NOK	42X62X8!	AF1473E	NOK	26X42X10	AF3135G	NOK	412920
AE4221E0	NOK	110X145X12	AE8903E0	NOK	7214	AF1576R	JOHND	330385!	AF3135G1	NOK	412920
AE4341H0	NOK	231206	AE8907E	NOK	223240	AF1588F0	NOK	340835	AF316R	JOHND	471781!
AE4346H0	NOK	120X150X12	AEA9239A	FAIRB	471442!	AF1591E0	NOK	312140	AF3171F0	NOK	442874
AE4346H0	NOK	231206	AEC621	LEYLD	471195!	AF1609E0	NOK	203020	AF3240E	NOK	60X90X10
AE4355E0	NOK	120X155X15	AEEO52A0	NOK	40X55X8	AF1616E0	NOK	203003	AF3240E0	NOK	60X90X8
AE4451F0	NOK	130X160X12	AEEO59A0	NOK	25X35X7!	AF1663E0	NOK	30X42X7!	AF3614E0	NOK	75X100X12!
AE4451F0	NOK	231302	AEEO60A0	NOK	20X35X7!	AF1703E	NOK	30X50X7	AF3729E	NOK	228010
AE4542E0	NOK	231404	AEEO128A0	NOK	35X47X7!	AF1778E	NOK	471765	AF3729E	NOK	80X100X10!
AE4581E0	NOK	145X175X15	AEEO159A0	NOK	25X40X7!	AF1778E0	NOK	471765	AF3729E0	NOK	80X100X10!
AE4624F0	NOK	150X180X15	AEEO212A0	NOK	42X60X7!	AF1789E0	NOK	441319	AF545R	JOHND	472185!
AE4624F1	NOK	150X180X12	AEEO279A0	NOK	85X110X12!	AF1790E0	NOK	441319	AF7103E1	NOK	204020
AE4624F1	NOK	231502	AEEO295A	NOK	40X62X8!	AF1815G0	NOK	343186	AF7103E1	NOK	204505!
AE4898E0	NOK	231805	AEEO295A0	NOK	40X62X12!	AF1826E0	NOK	471413	AF7133E0	NOK	204029
AE6873E0	NOK	474272!	AEEO338A0	NOK	25X37X7!	AF1836F0	NOK	203029	AF7133E0	NOK	204507!
AE6873E0	NOK	474272*	AEEO376A0	NOK	14X24X7	AF1837E0	NOK	204029	AF7172E1	NOK	440972
AE6901E	NOK	2007N	AEEO394A0	NOK	35X47X7!	AF1837E0	NOK	204507!	AF7276E	NOK	291099
AE6922E0	NOK	471733	AEEO456B0	NOK	30X42X7!	AF1925	JOHND	471224!	AF7276E0	NOK	291099
AE7103E	NOK	204020	AEEO477A0	NOK	65X85X10	AF1934R	JOHND	323138!	AF7286E0	NOK	7840S
AE7103E	NOK	204505*	AEEO479A0	NOK	70X90X10!	AF2018F0	NOK	42763	AF7380E	NOK	473229!
AE7126E0	NOK	473197*	AEEO488A0	NOK	105X125X13	AF2033E	NOK	35X45X7	AF7386E0	NOK	340827
AE7126E0	NOK	473197!	AEEO514A0	NOK	15X25X6	AF2135R	JOHND	471442!	AF7593E	JOHND	204008
AE7139E0	NOK	415001!	AEEO523A0	NOK	14X28X6	AF2221F	NOK	38X52X8.5!	AF7593E0	NOK	203008
AE7145E1	NOK	473259*	AEEO615A0	NOK	35X62X7!	AF2221W	NOK	1196	AF7599E0	NOK	481481
AE7145E1	NOK	473259!	AEEO699A0	NOK	60X80X8!	AF2221W0	NOK	1196	AF7604F0	NOK	204005
AE7150E0	NOK	473427	AEEO752A0	NOK	85X130X13	AF2264F0	NOK	253099	AF77047A	FORD	471652
AE7175E0	NOK	471192	AEEO920A0	NOK	50X90X10	AF2272E0	NOK	480630!	AF77047A	FORD	482208!
AE7333G0	NOK	50X65X8!	AEEO984A0	NOK	50X65X8!	AF2284E	NOK	203013	AF77047A2	FORD	471652
AE7362E	NOK	223553	AEK3003	DENCO	473224!	AF2284E	NOK	203013	AF77047A3	FORD	471652
AE7362E0	NOK	35X62X7!	AEEO9524	MASSE	472164!	AF2284F0	NOK	204013	AF7756E	NOK	340388
AE7368E	NOK	481163	AERO1889	AVCO	471549!	AF2285E	NOK	204013	AF7863E	NOK	3095
AE7368E0	NOK	481163	AERO1956	AVCO	471554!	AF2285F0	NOK	203013	AF7863E0	NOK	3095
AE7431E0	NOK	416154!	AERO1959	AVCO	450342	AF2285G0	NOK	204013	AF7936E0	NOK	340356
AE7617E0	NOK	471529	AERO1959B	AVCO	450342	AF2340F0	NOK	40X52X7!	AF8005E0	NOK	342517
AE7642E0	NOK	471612	AERO583D	AVCO	455022	AF2367E0	NOK	40X58X10!	AF8021E0	NOK	41075S
AE7644E0	NOK	471549!	AERO6100	AVCO	450173	AF2399E	NOK	224100	AF8057E0	NOK	204038
AE7644E0	NOK	472467	AEX38757	GMC	471231!	AF2399E	NOK	40X65X10!	AF8063E0	NOK	204035
AE7646E0	NOK	472649	AF0103E0	NOK	340826	AF2458F0	NOK	204017	AF8088E0	NOK	45X62X8!
AE7655E0	NOK	75X115X10*	AF0222E0	NOK	311189	AF2480E0	NOK	42X55X8!	AF8088F	NOK	494122
AE7655E0	NOK	75X115X12	AF0226E0	NOK	350156*	AF2533E0	NOK	40154S	AF8224E0	NOK	340900
AE7660E0	NOK	226550	AF0369E	NOK	12X22X7!	AF2535E0	NOK	473235	AF8225E0	NOK	41461S
AE7660E0	NOK	65X100X10	AF0369E0	NOK	12X22X7!	AF2548E0	NOK	442251	AF8374E	NOK	203020
AE7663E0	NOK	476513=	AF0433E0	NOK	342805	AF2548E0	NOK	473336!	AF8374E0	NOK	203020
AE7676E0	NOK	473490	AF0437G	NOK	43095S!	AF2592E	NOK	205015	AF8389E0	NOK	8430S
AE7694E0	NOK	350974!	AF0437G0	NOK	43095S!	AF2592E0	NOK	205015	AF8413E0	NOK	8974S
AE7698E0	NOK	471498	AF0544E0	NOK	472705!	AF2597E0	NOK	204038	AF8418E0	NOK	476838!
AE7705E0	NOK	470806*	AF0633E	NOK	340849	AF2640E0	NOK	224520	AF8426E0	NOK	441319
AE7708E0	NOK	471276*	AF0636E0	NOK	7399S!	AF2640E0	NOK	45X60X10!	AF8495E0	NOK	41461S
AE7739E0	NOK	321460	AF0654E0	NOK	471264	AF2643R	JOHND	471341!	AF8496E0	NOK	291099
AE7766E0	NOK	471692!	AF0741F	NOK	17X30X7	AF2655E	NOK	1992	AF8521E0	NOK	342517
AE7772E0	NOK	473211!	AF0749E1	NOK	17X32X7!	AF2655E0	NOK	1992	AF8522E0	NOK	1987
AE7782F0	NOK	470380!	AF0770E0	NOK	17X40X7	AF2655E0	NOK	45X65X8!	AF8534E0	NOK	340850
AE7869E0	NOK	472324!	AF0888F0	NOK	312518!	AF2659	JOHND	415035	AF8713E0	NOK	204020
AE7872E0	NOK	17X35X7	AF0888F0	NOK	342518	AF2659R	JOHND	415035	AF8713E0	NOK	204505!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
AF8729E NOK		343104	AG2386F NOK		224045	AG8907E NOK		223210	AH1679N0 NOK		30X45X8!
AF8729E0 NOK		343104	AG2386F NOK		40X62X8!	AG8936E0 NOK		340930	AH1688E0 NOK		223018
AF8741E NOK		480630	AG2386F0 NOK		224045	AGX49415 JOHND		340400	AH1688E0 NOK		30X46X7!
AF8741E0 NOK		480630	AG2386F0 NOK		40X62X12!	AGX82378A JOHND		472016	AH1688F NOK		223018
AF8782E0 NOK		351487	AG2399E NOK		224100	AGX82379A JOHND		415458!	AH1688F0 NOK		223018
AF8933E0 NOK		7934S	AG2399E NOK		40X65X10!	AGX96442 JOHND		472560N	AH1706 NOK		30X50X7
AF8934E NOK		9015S	AG2458E0 NOK		473117	AGX97454 JOHND		471466!	AH1706E NOK		223050
AF8934E0 NOK		9015S	AG2515W NOK		224270	AGY16W JOHND		471766!	AH1706E0 NOK		223050
AF9155E NOK		8975S	AG2515W0 NOK		224270	AH0687E NOK		221620	AH1706F NOK		223050
AF9155E0 NOK		8975S	AG2515W0 NOK		42X72X10!	AH0687E0 NOK		16X30X7	AH1706F0 NOK		223050
AFF133A0 NOK		45X65X8!	AG2538Y NOK		1183	AH0736F NOK		17X28X7	AH17256 JOHND		451857
AFS1180 EL-WH		204035	AG2538Y0 NOK		1183	AH0736F0 NOK		17X28X7!	AH17911 JOHND		473452
AFS1180E EL-WH		204035	AG2538Y0 NOK		43X55X8!	AH0736F0 NOK		221710	AH1880G0 NOK		223230
AFS2130P EL-WH		204038	AG2580F0 NOK		473237	AH0736G0 NOK		221710	AH1880G0 NOK		32X45X7!
AFS2782 EL-WH		204013	AG2640E0 NOK		224520	AH0736H NOK		16X28X7!	AH1888E0 NOK		32X47X7!
AFS3549A EL-WH		41461S	AG2640E0 NOK		45X60X10!	AH0736H NOK		221710	AH1888E0 NOK		710310
AFX43053 JOHND		472185!	AG2649A0 NOK		45X62X8!	AH0736H0 NOK		16X28X7	AH1888G0 NOK		223230
AG-JB230 CONTI		471529	AG2755 NOK		1956	AH0736I NOK		221710	AH1893E NOK		223240
AG0102E0 NOK		340826	AG2755G NOK		1956	AH0815E0 NOK		221820	AH1893E NOK		32X48X8!
AG0103E0 NOK		340826	AG2755H NOK		1956	AH0816-E NOK		221820	AH1893E0 NOK		223240
AG0204A NOK		9X22X7	AG2772Y NOK		1188	AH0816E0 NOK		18X30X7!	AH1895E NOK		223240
AG0204A0 NOK		9X22X7	AG2772Y0 NOK		1188	AH0875A0 NOK		710445*	AH1895E NOK		32X48X8!
AG0213E0 NOK		330385	AG2772Y0 NOK		48X62X8!	AH0984E NOK		222025!	AH1895E0 NOK		223240
AG0220E1 NOK		340827	AG2775 NOK		1956	AH0984F0 NOK		20X30X7	AH1895E0 NOK		32X48X8!
AG0324E0 NOK		343101	AG2775G NOK		1956	AH0984G NOK		222025!	AH1904F NOK		1167
AG0369E NOK		12X22X7!	AG2775H NOK		1956	AH10466 JOHND		456744N	AH1904G NOK		223252
AG0369E0 NOK		12X22X7!	AG2775Y NOK		1956	AH10888 JOHND		8792S	AH1904G0 NOK		223252
AG0433H0 NOK		342805	AG2775Y0 NOK		1956	AH11966 JOHND		474274	AH1904G00X1 NOK		223252
AG0433I0 NOK		342805	AG2775Y0 NOK		48X62X8!	AH1260E0 NOK		24X40X7!	AH19415 JOHND		200763
AG0437E0 NOK		340847	AG2776Y0 NOK		48X62X8!	AH1260G NOK		222540	AH1968F0 NOK		223420
AG0443E0 NOK		342613!	AG2806E NOK		1977	AH1260G NOK		25X40X7!	AH1968G NOK		223420
AG0456E0 NOK		471526!	AG2806E0 NOK		1977	AH1260G0 NOK		222540	AH1968G0 NOK		223420
AG0514E0 NOK		14X24X7	AG2965A NOK		52X75X12	AH1292E0 NOK		222510	AH1971G NOK		223430
AG0596A0 NOK		15X30X7	AG2965A0 NOK		52X75X12	AH1292F0 NOK		712007	AH1971G NOK		710417
AG0645E0 NOK		471466	AG3038A0 NOK		55X72X8!	AH1292H NOK		712007	AH1971Y NOK		223430
AG0686A NOK		16X30X7	AG3151E0 NOK		58X80X8	AH1292H0 NOK		712007	AH1971Y NOK		710417
AG0743E0 NOK		17X30X7	AG3217A0 NOK		60X82X12!	AH1292I NOK		222510	AH1971Y0 NOK		223430
AG0757A NOK		17X35X7	AG3398A0 NOK		65X88X10	AH1302F0 NOK		25X37X7!	AH1971Y0 NOK		710417
AG0757A0 NOK		17X35X7	AG3398A0 NOK		65X88X8!	AH1314F NOK		222540	AH19842 JOHND		472070 =
AG0802E NOK		710222	AG3503E0 NOK		70X88X12	AH1314F0 NOK		25X40X7!	AH1986G NOK		223420
AG0802E0 NOK		710222	AG3503E0 NOK		70X88X8!	AH14076 JOHND		471192	AH2057J0 NOK		713771
AG0807E0 NOK		18X28X6	AG3505E0 NOK		70X88X8!	AH14080 JOHND		240736	AH2057J0 NOK		713771
AG0888G0 NOK		312518!	AG3516A0 NOK		70X92X12	AH14219 JOHND		471689!	AH2057P NOK		35X50X8!
AG0888G0 NOK		342518	AG3739A NOK		80X105X14!	AH15048 JOHND		471760	AH2057P NOK		3771
AG0962F0 NOK		710249	AG3739A0 NOK		80X105X13!	AH1508E NOK		712009	AH2057P0 NOK		3771
AG1035E NOK		20X42X10	AG3839A0 NOK		85X110X12!	AH1512E NOK		1990	AH2057Q NOK		3771
AG1035E0 NOK		20X42X10	AG3990E0 NOK		95X120X12!	AH1512E0 NOK		1990	AH2057Q0 NOK		3771
AG1169E0 NOK		240733	AG4059E0 NOK		100X125X12*	AH1512F NOK		1990	AH2057R NOK		3771
AG1171E0 NOK		340850	AG6759A0 NOK		28X48X8!	AH1512F0 NOK		1990	AH2057R0 NOK		3771
AG1173E0 NOK		254287	AG6762A NOK		70X95X13	AH1512J NOK		1990	AH2060E NOK		3771
AG1179F0 NOK		340413	AG6762A0 NOK		70X95X10	AH1512J0 NOK		223535	AH2060E0 NOK		35X50X8!
AG1399E0 NOK		343098	AG6799Y0 NOK		1974	AH1512K NOK		1990	AH2060E0 NOK		3771
AG1473A NOK		26X42X10	AG6900E NOK		7537S	AH1512K0 NOK		222743	AH2060G NOK		3771
AG1517A NOK		27X47X10	AG6900E0 NOK		7537S	AH1513F NOK		222745	AH2060G0 NOK		3771
AG1535E0 NOK		28X40X7!	AG6956E0 NOK		471442	AH1513F NOK		27X45X8!	AH2060W NOK		710324
AG1588E0 NOK		340835	AG7148E NOK		221510	AH1513F0 NOK		222745	AH2060W0 NOK		710324
AG1593F0 NOK		1037	AG7148E0 NOK		15X25X6	AH15256 JOHND		340136	AH2060Y NOK		3771
AG1608E0 NOK		323133	AG7386E0 NOK		340827	AH1538G NOK		222820	AH2060Y0 NOK		3771
AG1703A NOK		30X50X7	AG7756E0 NOK		340387	AH1538H NOK		222820	AH2067F0 NOK		35X52X8!
AG1815E0 NOK		343186	AG7927E0 NOK		340826	AH1538P0 NOK		28X40X7!	AH2077F NOK		710331
AG1862E0 NOK		32X42X8!	AG8028E NOK		1952	AH1544F0 NOK		28X42X8!	AH2077F0 NOK		35X54X8!
AG2039F0 NOK		35X47X7!	AG8028E0 NOK		1952	AH1544F0 NOK		712008	AH2077F0 NOK		710331
AG2064E0 NOK		35X52X8!	AG8372E0 NOK		350877	AH1558H NOK		224025	AH2077G NOK		710331
AG2225F NOK		1174	AG8372E0 NOK		471633!	AH1558HO NOK		222860	AH2077G0 NOK		710331
AG2225F NOK		38X52X8.5!	AG8409E0 NOK		342613!	AH1558PO NOK		222860	AH2077H0 NOK		710331
AG2225F0 NOK		1174	AG8483E0 NOK		42X62X8!	AH16581 JOHND		473231	AH2077I NOK		1119
AG2225F0 NOK		38X52X8.5!	AG8550E NOK		1943	AH16581H JOHND		473231!	AH2077I NOK		710331
AG2272E0 NOK		7537S	AG8550F0 NOK		1943	AH1665E0 NOK		223010	AH2083E NOK		223540
AG2340E0 NOK		224015	AG8551E NOK		494117	AH1666K NOK		223010	AH2083G NOK		223540
AG2340E0 NOK		40X52X7!	AG8756E0 NOK		340849	AH1666K0 NOK		223010	AH2083G NOK		35X55X8!
AG2341E0 NOK		40X52X7!	AG8796E0 NOK		3395	AH1673F0 NOK		30X44X7!	AH2083G0 NOK		35X55X11!
AG2367A0 NOK		40X58X10!	AG8796E0 NOK		352444!	AH1679L0 NOK		30X45X5!	AH2085G NOK		223542

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
AH2085G NOK	35X55X11!	AH2492E0 NOK	42X60X7!	AH3221E0 NOK	710390	AH7142F0 NOK	712001
AH2085G0 NOK	223542	AH2492G0 NOK	2025	AH3221G NOK	710390	AH7235E NOK	222340
AH2093F NOK	2007N	AH2492I NOK	1953	AH3221G0 NOK	710390	AH7235E0 NOK	222340
AH2093F1 NOK	2007N	AH2492I0 NOK	1953	AH3222F0 NOK	60X82X12!	AH7288G NOK	712020
AH2093G0 NOK	2007N	AH2492J NOK	1953	AH3222F0 NOK	712006	AH7288H NOK	712011
AH2093G0 NOK	35X56X10!	AH2492J0 NOK	1953	AH3222G0 NOK	712006	AH7288I NOK	712011
AH2093H0 NOK	2007N	AH2493F NOK	2025	AH3222Q0 NOK	712006	AH7341E NOK	710008
AH2093I0 NOK	2007N	AH2493G0 NOK	42X60X7!	AH3340E NOK	710199	AH7342E0 NOK	710007
AH2132E0 NOK	35X62X10	AH2493P NOK	2025	AH3502P0 NOK	1019	AH7343E0 NOK	710006
AH2134F NOK	1173	AH2493P0 NOK	2025	AH350500 NOK	70X88X12	AH7344E NOK	711553
AH2136E0 NOK	35X68X10!	AH2507P NOK	417494	AH3505Q0 NOK	227020	AH75295 JOHND	310841
AH2136G NOK	223580	AH2507P0 NOK	417494	AH3505Q0 NOK	70X88X8!	AH75296 JOHND	471808!
AH2136G0 NOK	1140	AH25329 JOHND	43290S	AH3519S NOK	227045	AH75485 JOHND	200929
AH2136G0 NOK	223580	AH2554F0 NOK	224460	AH3560-F NOK	227235	AH7592E NOK	2942
AH2145F0 NOK	1147	AH2554F0 NOK	44X60X10!	AH3560F0 NOK	227235	AH7592E0 NOK	2942
AH2145G0 NOK	1147	AH2554G NOK	224460	AH3560G0 NOK	227235	AH76193 JOHND	473237!
AH21815 JOHND	472258!	AH2554G0 NOK	224460	AH3560H0 NOK	227235	AH7622F0 NOK	473573
AH21870 JOHND	470605	AH2554H NOK	224460	AH3560P NOK	227235	AH7689E NOK	350609
AH2200E0 NOK	710259	AH2554P NOK	224460	AH3618-P0 NOK	227550	AH7743E NOK	222742
AH2201F NOK	1177	AH2554P0 NOK	224460	AH3618E NOK	227550	AH7886F NOK	320583
AH2216E0 NOK	223802	AH2560F NOK	224464	AH3618E NOK	75X100X12!	AH7897E NOK	450375!
AH2216E0 NOK	38X50X7!	AH2560F0 NOK	44X62X8!	AH3618E0 NOK	227550	AH7897E NOK	6936S!
AH2218E0 NOK	223802	AH2564Y0 NOK	224465	AH3618E0 NOK	75X100X12!	AH7897E NOK	9845
AH2218E0 NOK	38X50X7!	AH2564Y0 NOK	44X65X10!	AH3618R0 NOK	227550	AH7897E0 NOK	450375!
AH2218L NOK	223802	AH2651F NOK	1012	AH3724-F0 NOK	228005	AH7897E0 NOK	6936S!
AH2219E NOK	223802	AH2651F0 NOK	45X62X8!	AH3724G NOK	228005	AH7897E0 NOK	9845
AH2219E0 NOK	223802	AH2668I NOK	710345	AH3724G0 NOK	228005	AH7953E NOK	710271
AH2222F NOK	1205	AH2668I0 NOK	710345	AH3724P0 NOK	228005	AH8002E NOK	332062
AH2222F NOK	38X52X8.5!	AH2668J0 NOK	710345	AH3730E NOK	228009	AH8002E0 NOK	332062
AH2222F0 NOK	1205	AH2668R NOK	224560	AH3730E0 NOK	228009	AH8002E1 NOK	332062
AH2231P NOK	223830	AH2668R NOK	45X68X7!	AH3730E0 NOK	80X100X10!	AH80324 JOHND	473317
AH2231P0 NOK	223830	AH2668R0 NOK	224560	AH3730H0 NOK	228009	AH8045E NOK	2016
AH2231P0 NOK	38X55X7!	AH2668R0 NOK	45X68X7!	AH3730J NOK	228015	AH8045E NOK	30X45X8!
AH2240I NOK	223840	AH2668Y0 NOK	710345	AH3732-F0 NOK	228015	AH8045E0 NOK	2016
AH2240J NOK	223840	AH2685F NOK	224570	AH3732E NOK	228010	AH8045E0 NOK	30X45X5!
AH2240J0 NOK	38X58X8!	AH2685F NOK	45X72X12!	AH3732E0 NOK	228009	AH8279E0 NOK	105X135X12
AH2245F NOK	38X60X10	AH2685F0 NOK	45X72X7!	AH3732E0 NOK	80X100X10!	AH8291Q NOK	712005
AH2245F0 NOK	38X60X10!	AH2685G0 NOK	45X72X95	AH3732G0 NOK	228009	AH8291Q0 NOK	712005
AH2261E0 NOK	38X74X8!	AH2691E NOK	1979	AH3732I0 NOK	228009	AH8338E0 NOK	223235
AH2304-H0 NOK	710318	AH2691E0 NOK	1979	AH3732I0 NOK	228009	AH8338P NOK	223235
AH2304P0 NOK	223840	AH2691E0 NOK	45X75X7!	AH3732L0 NOK	228015	AH8338P NOK	32X46X6!
AH2341E NOK	710308	AH2786E NOK	224835	AH3732M0 NOK	228009	AH8338P0 NOK	223235
AH2341E0 NOK	1217*	AH2786E NOK	48X68X10!	AH3732N NOK	228009	AH8338P1 NOK	223235
AH2341E0 NOK	710308	AH2786E0 NOK	224835	AH3732N0 NOK	228009	AH8339P NOK	1987
AH2342F0 NOK	224052	AH2786E0 NOK	48X68X10!	AH3733Q NOK	228010	AH8378E0 NOK	223608
AH2342G NOK	224015	AH2786F NOK	224840	AH3733Q0 NOK	228009	AH8490E NOK	222655
AH2342G0 NOK	224015	AH2786F0 NOK	224840	AH3733R0 NOK	228010	AH8490E0 NOK	222655
AH2342G0 NOK	40X52X7!	AH2788E NOK	1994	AH3733R0 NOK	80X100X10!	AH8490E0 NOK	26X48X7!
AH2342H NOK	224052	AH2788E NOK	48X70X9!	AH3734-E0 NOK	228010	AH8515E0 NOK	35X62X7!
AH2359P NOK	224020	AH2788E0 NOK	1994	AH3734-E0 NOK	80X100X10!	AH8515F NOK	223553
AH2359P0 NOK	224020	AH2788E0 NOK	48X70X9!	AH3744-Q0 NOK	228020	AH8515F NOK	4901
AH2359P0 NOK	40X55X8!	AH2788H0 NOK	712010	AH3744-Q0 NOK	80X105X14!	AH8515F0 NOK	35X65X10!
AH2361E0 NOK	224020	AH2791G NOK	1994	AH3744Q NOK	228020	AH8515F0 NOK	4901
AH2365E0 NOK	224026	AH2791G NOK	48X70X9!	AH3786E NOK	1945	AH8563E NOK	8660S
AH2369G NOK	3459	AH2791G0 NOK	1994	AH3786E NOK	228480	AH8563E0 NOK	8660S
AH2369G0 NOK	40X58X10!	AH2791G0 NOK	48X70X9!	AH3786E0 NOK	82X105X13!	AH8587E0 NOK	3394
AH2386G NOK	40X62X8!	AH2791G1 NOK	710313	AH3932P1 NOK	90X115X12	AH8655P NOK	1038
AH2386G0 NOK	40X62X12!	AH2837F0 NOK	710354	AH583R JOHND	471344	AH8655P0 NOK	1038
AH2414E0 NOK	224068	AH2847S NOK	710420	AH62279 JOHND	471760	AH8656E NOK	1019
AH2426E NOK	712011	AH2854F NOK	710173	AH62281 JOHND	8998	AH8656E0 NOK	1019
AH2426E0 NOK	712011	AH2854F0 NOK	50X70X8!	AH633R JOHND	418028	AH86595 JOHND	473228
AH2443E0 NOK	1181	AH2854F0 NOK	50X70X9	AH633R JOHND	455137!	AH86596 JOHND	472185!
AH2444F0 NOK	1181	AH2864G NOK	225040	AH6901E0 NOK	35X56X10!	AH8740F NOK	223750
AH2444F0 NOK	41X56X7!	AH2864G0 NOK	225040	AH6924 NOK	227410	AH8740F0 NOK	223750
AH2480E0 NOK	42X55X8!	AH2864G0 NOK	50X72X8!	AH6924F NOK	227410	AH8740G NOK	223750
AH2483E0 NOK	224205	AH2921P NOK	8316	AH6924P NOK	227410	AH8740G0 NOK	223750
AH2483E0 NOK	42X55X8!	AH2961E0 NOK	52X72X8!	AH6924Y NOK	227410	AH8740H NOK	223750
AH2486F NOK	224220	AH3050Q NOK	227020	AH6924Y0 NOK	227410	AH8740H0 NOK	223750
AH2486F NOK	494117	AH3050Q NOK	70X88X8!	AH7036F0 NOK	221710	AH8811E0 NOK	35X62X7!
AH2486F0 NOK	224220	AH3193F NOK	226015	AH7049E NOK	710051	AH8811E0 NOK	4901
AH2486F0 NOK	42X56X7!	AH3193F0 NOK	226015	AH7049E0 NOK	35X47X7!	AH8846P NOK	710060
AH2492E0 NOK	1953	AH3221E NOK	710390	AH7142F0 NOK	30X46X7!	AH8846P0 NOK	710060

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
AH8847P	NOK	224025	AM1842T	JOHND	6241S	AMX15842	ALLCH	415995!	AN150038	JOHND	472157
AH8888E	NOK	222330	AM1977T	JOHND	473231	AMX16237	ALLCH	470354	AN152118	JOHND	472826!
AH8888P	NOK	222330	AM205	FMC	415995!	AMX16397	ALLCH	471766!	AN161130	JOHND	200940* =
AH8888P0	NOK	222330	AM205	LK-BT	415995!	AMX19347	ALLCH	470590	AN163876	JOHND	472924!
AH8942E	NOK	710053	AM2133T	JOHND	472164!	AMX19959	ALLCH	471570!	AN181409	JOHND	204029
AH90963	JOHND	200303* =	AM220T	JOHND	345035	AMX20069	ALLCH	414268!	AN181409	JOHND	204507!
AH93892	JOHND	200942*	AM221	MUSKE	16210	AMX20099	ALLCH	240736	AN181410	JOHND	204017
AHH001A0	NOK	25X38X7!	AM222	MUSKE	16204	AMX20296	ALLCH	472354!	AN181411	JOHND	471267!
AHH026A	NOK	30X45X8!	AM2231	MUSKE	16200	AMX20637	ALLCH	6759S	AN190473	JOHND	450523
AHH026A0	NOK	30X45X5!	AM224	MUSKE	16201	AMX20668	ALLCH	472439	AN190474	JOHND	715101
AHH035A0	NOK	20X30X7	AM2241	MUSKE	16201	AMX2146	ALLCH	474272!	AN30647	JOHND	450400
AHH050A0	NOK	225020	AM225	MUSKE	16208	AMX21859	ALLCH	340771	AN31885	JOHND	473016!
AHH050A0	NOK	50X68X8!	AM2258T	JOHND	472287!	AMX2262	ALLCH	471646!	AN32745N	JOHND	473237!
AHH052A	NOK	40X55X8!	AM227	MUSKE	16211	AMX2263	ALLCH	471354!	AN50308	JOHND	203007 =
AHH052A0	NOK	224020	AM228	MUSKE	16202	AMX22904	ALLCH	340724!	AN70684	JOHND	350936
AHH085-A0	NOK	227550	AM2281	MUSKE	16212	AMX23148	ALLCH	472299	AN70684N	JOHND	350936
AHH085-A0	NOK	75X100X12!	AM2291	MUSKE	16203	AMX24126	ALLCH	473463	AN7194N	JOHND	350936
AHH144A0	NOK	25X35X7!	AM230	MUSKE	16203	AMX24127	ALLCH	473463	AN71578N	JOHND	470774!
AHH144A0	NOK	712007	AM231	MUSKE	16206	AMX24130	ALLCH	471570!	AP-1181	AUPRO	S-1181
AHH254-B0	NOK	228010	AM232	MUSKE	16209	AMX24131	ALLCH	471192	AP-1183	AUPRO	S-1183
AHH254-B0	NOK	80X100X10!	AM2446T	JOHND	323138!	AMX24133	ALLCH	411376!	AP-1188	AUPRO	S-1188
AHH276-A0	NOK	228020	AM253T	JOHND	471192	AMX24137	ALLCH	417172	AP-1196	AUPRO	S-1196
AHH276A	NOK	80X105X14!	AM2533T	JOHND	340853	AMX24138	ALLCH	470059	AP-1205N	AUPRO	S-1205N
AHH443A0	NOK	223831	AM260T	JOHND	473234	AMX24138	ALLCH	470380!	AP-1213	AUPRO	S-1213N
AHH443A0	NOK	38X55X7!	AM263	JOHND	470625!	AMX25866	ALLCH	450621	AP-1217	AUPRO	S-1217
AHH452A0	NOK	1990	AM263T	JOHND	470625!	AMX2642	ALLCH	470605!	AP-1883	AUPRO	S-1883
AHH452A0	NOK	27X43X8!	AM2684T	JOHND	473179!	AMX281151	ALLCH	472164!	AP-1884	AUPRO	S-1884
AHH587-B0	NOK	221710	AM268T	JOHND	472924!	AMX30832	ALLCH	412861	AP-1932	AUPRO	S-1932
AHH587-B0	NOK	17X28X7	AM2723T	JOHND	410496!	AMX30920	ALLCH	471801!	AP-1948	AUPRO	S-1948
AJ1177A	FORD	473228	AM2732T	JOHND	410496!	AMX31045	ALLCH	473245!	AP-1950	AUPRO	S-1950
AJ1177A1	FORD	473228	AM2773T	JOHND	472924!	AMX33653	ALLCH	415027	AP-1953	AUPRO	S-1953
AJ1177A2	FORD	473228	AM2775T	JOHND	410496!	AMX33653	ALLCH	415027!	AP-1955	AUPRO	S-1955
AJ1177A3	FORD	473228	AM3094	JOHND	712260	AMX336532	ALLCH	416125!	AP-1956	AUPRO	S-1956
AJ1177A4	FORD	473228	AM3094T	JOHND	712260	AMX36553	ALLCH	415234!	AP-1960	AUPRO	S-1960
AJ1177D3	FORD	9568	AM331	MUSKE	16250	AMX36817	ALLCH	472144!	AP-1962	AUPRO	S-1962
AJ1177F	FORD	9568	AM332	MUSKE	16251	AMX368171	ALLCH	472144!	AP-1973	AUPRO	S-1973
AJ4676A	FORD	7044NA	AM333	MUSKE	16252	AMX36818	ALLCH	470086	AP-1984	AUPRO	S-1984
AJX1942A	MASSE	473464!	AM334	MUSKE	16253	AMX368181	ALLCH	470086	AP-1987	AUPRO	S-1987
AJX1942A	MASSE	473464	AM334G	MUSKE	16254	AMX36842	ALLCH	480630!	AP-1992	AUPRO	S-1992
AK35937	JOHND	200118 =	AM335	MUSKE	16255	AMX368421	ALLCH	480630!	AP-1994	AUPRO	S-1994
AK35937K	JOHND	200118 =	AM337	MUSKE	16257	AMX37257	ALLCH	415234!	AP-2002	AUPRO	S-2002
AK36310	JOHND	200854	AM338	MUSKE	16258	AMX372571	ALLCH	415234!	AP-2007	AUPRO	S-2007
AK36310K	JOHND	200854	AM339	MUSKE	16259	AMX37590	ALLCH	471504!	AP-203013	AUPRO	S-203013
AK36652	JOHND	200122	AM340	MUSKE	16260	AMX375901	ALLCH	471504!	AP-203025	AUPRO	S-203025
AK36652K	JOHND	200122	AM341	MUSKE	16261	AMX42646	ALLCH	415449!	AP-203029	AUPRO	S-203029
AK37498	JOHND	471413	AM342	MUSKE	16262	AMX44599	ALLCH	412920!	AP-204013	AUPRO	S-204013
AL1395N	JOHND	312140	AM343	MUSKE	16263	AMX46121	ALLCH	470774!	AP-204017	AUPRO	S-204017
AL1794N	JOHND	471344	AM344	MUSKE	16264	AMX46446	ALLCH	413247!	AP-204038	AUPRO	S-204038
AL20027T	JOHND	473010!	AM345	MUSKE	16265	AMX46837	ALLCH	415027	AP-2043	AUPRO	S-2043
AL20185T	JOHND	470059	AM346	MUSKE	16266	AMX46837	ALLCH	415027!	AP-2081	AUPRO	S-2081
AL20185T	JOHND	470380!	AM3572T	JOHND	472144!	AMX50360	ALLCH	472179	AP-2146	AUPRO	S-2146
AL2020T	JOHND	472144!	AM381T	JOHND	471224!	AMX53664	ALLCH	415371	AP-223420	AUPRO	S-223420
AL2021T	JOHND	473367!	AM727T	JOHND	345035	AMX71042	JOHND	471747!	AP-223542	AUPRO	S-223542
AL2021T	JOHND	473367	AM878T	JOHND	473445	AMX71043	JOHND	471571	AP-223543	AUPRO	S-223543
AL2094T	JOHND	471192	AM937T	JOHND	410496!	AMX71043A	JOHND	471647	AP-223605	AUPRO	S-223605
AL2095T	JOHND	473229	AM939T	JOHND	410496!	AMX71177	JOHND	472287!	AP-223830	AUPRO	S-223830
AL2122T	JOHND	471763	AM965	FMC	471271!	AMX76410	JOHND	451583!	AP-223840	AUPRO	S-223840
AL2123T	JOHND	471821!	AM965	LK-BT	471271!	AMX76433	JOHND	471224!	AP-224015	AUPRO	S-224015
AL2124T	JOHND	472924!	AMK772	DENCO	471192	AMX76655	JOHND	471763	AP-224026	AUPRO	S-224026
AL2172T	JOHND	471763	AMX10783	ALLCH	473473	AMX81974	JOHND	471472!	AP-224235	AUPRO	S-224235
AL2257T	JOHND	471224!	AMX11252	ALLCH	471192	AN100904	JOHND	472354!	AP-224772	AUPRO	S-224772
AL2258T	JOHND	470954!	AMX11852	ALLCH	471192	AN102006	JOHND	472492!	AP-224820	AUPRO	S-224820
AL2426T	JOHND	470712	AMX12593	ALLCH	472354!	AN10535	JOHND	203008	AP-225020	AUPRO	S-225020
AL26537	JOHND	471763	AMX1284	ALLCH	416888!	AN10535	JOHND	204008	AP-225110	AUPRO	S-225110
AL2653T	JOHND	471763	AMX1285	ALLCH	455375 =	AN10535N	JOHND	204008	AP-225225	AUPRO	S-225225
AL2654T	JOHND	345146	AMX13435	ALLCH	473215!	AN12151	JOHND	473459	AP-225230	AUPRO	S-225230
AL4360	CATER	455121	AMX13503	ALLCH	473197	AN12151N	JOHND	473459	AP-226285	AUPRO	S-226285
ALK62850	CONTI	471554!	AMX13916	ALLCH	471255!	AN12717	JOHND	471831!	AP-2286	AUPRO	S-2286
AM1091T	JOHND	470334!	AMX14034	ALLCH	472185!	AN12717N	JOHND	471831!	AP-2506	AUPRO	S-2506
AM1162T	JOHND	450173	AMX14036	ALLCH	474274	AN140226	JOHND	471750!	AP-2655	AUPRO	S-2655
AM1717T	JOHND	472924!	AMX14354	ALLCH	472705!	AN140227	JOHND	472144!	AP-2658	AUPRO	S-2658
AM1842T	JOHND	470950!	AMX14378	ALLCH	473444	AN150038	JOHND	416556!	AP-2692	AUPRO	S-2692

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
AP-2955	AUPRO	S-2955	AP-6840S	AUPRO	S-6840S	AP1295	WHITE	470059	AP01295	OLIVE	470380!
AP-3087	AUPRO	S-3087	AP-6954S	AUPRO	S-6954S	AP1295	WHITE	470380!	AP01296	OLIVE	450593!
AP-3173	AUPRO	S-3173	AP-7022S	AUPRO	S-7022S	AP1295G0	NOK	25X35X7!	AP01612	OLIVE	473367
AP-3195	AUPRO	S-3195	AP-7038SA	AUPRO	S-7038SA	AP1430E	NOK	471649!	AP01612	OLIVE	473367!
AP-3214	AUPRO	S-3214	AP-7044NA	AUPRO	S-7044NA	AP1636G	NOK	474260!	AP02492	OLIVE	471354!
AP-3227	AUPRO	S-3227	AP-710005	AUPRO	S-710005	AP1636G0	NOK	474260!	AP02492	WHITE	471354!
AP-331107N	AUPRO	S-331107N	AP-710067	AUPRO	S-710067	AP1666K0	NOK	30X42X7!	AQ28293K	JOHND	6575S
AP-331227H	AUPRO	S-331227H	AP-710072	AUPRO	S-710072	AP18387	JOHND	470774!	AQ28293KA	JOHND	6575S
AP-331228H	AUPRO	S-331228H	AP-710073	AUPRO	S-710073	AP18387H	JOHND	470774!	AQ28735	JOHND	471870!
AP-334111	AUPRO	S-334111	AP-710091	AUPRO	S-710091	AP19068	JOHND	712270	AQX124666	JOHND	471649!
AP-3357	AUPRO	S-3357	AP-710092	AUPRO	S-710092	AP19068H	JOHND	712270	AQX20382	JOHND	471646!
AP-3459	AUPRO	S-3459	AP-710096	AUPRO	S-710096	AP19214H	JOHND	471791	AQX22853	JOHND	415076
AP-3543	AUPRO	S-3543	AP-710101	AUPRO	S-710101	AP19214H	JOHND	456585	AQX26585	JOHND	471737
AP-3604	AUPRO	S-3604	AP-710105	AUPRO	S-710105	AP19243	JOHND	470334!	AQX32982H	JOHND	340136
AP-3622	AUPRO	S-3622	AP-710110	AUPRO	S-710110	AP19360H	JOHND	470954!	AQX35627	JOHND	473225!
AP-3655	AUPRO	S-3655	AP-710166	AUPRO	S-710166	AP19509	JOHND	471766	AQX37171	JOHND	471192
AP-3677	AUPRO	S-3677	AP-710168	AUPRO	S-710168	AP19547	JOHND	472560N	AQX37375	JOHND	473016!
AP-3723	AUPRO	S-3723	AP-722108	AUPRO	S-722108	AP20035H	JOHND	471737	AQX38321	JOHND	471684!
AP-3743	AUPRO	S-3743	AP-722109	AUPRO	S-722109	AP20413	JOHND	472354!	AQX42643	JOHND	471795
AP-3747	AUPRO	S-3747	AP-7300S	AUPRO	S-7300S	AP21123	JOHND	415995!	AQX42844	JOHND	473205
AP-3771	AUPRO	S-3771	AP-7412S	AUPRO	S-7412S	AP22072	DAVEY	473462	AQX43411	JOHND	200600
AP-3896	AUPRO	S-3896	AP-7687S	AUPRO	S-7687S	AP22325	JOHND	340823	AQX48731	JOHND	470590
AP-3946	AUPRO	S-3946	AP-7692S	AUPRO	S-7692S	AP22520	JOHND	473016!	AQX59960	JOHND	6513
AP-4072	AUPRO	S-4072N	AP-7781S	AUPRO	S-7781S	AP22619	JOHND	254287	AQX61812	JOHND	7230 =
AP-4099	AUPRO	S-4099	AP-7934S	AUPRO	S-7934S	AP23236	JOHND	40555	AQX62213	JOHND	203008
AP-410308	AUPRO	S-410308	AP-8121S	AUPRO	S-8121S	AP23236	JOHND	40555S!	AQX68086	JOHND	472234
AP-412920	AUPRO	S-412920	AP-8181NA	AUPRO	S-8181NA	AP24013	JOHND	471795	AQX68090	JOHND	471192
AP-4131	AUPRO	S-4131	AP-8312	AUPRO	S-8312	AP24021	JOHND	450165	AQX70116	JOHND	240736
AP-413248	AUPRO	S-413248	AP-8430S	AUPRO	S-8430S	AP24021	JOHND	471801!	AQX70245	JOHND	240733
AP-413470	AUPRO	S-413470	AP-8460N	AUPRO	S-8460N	AP24021H	JOHND	471192	AQX76268	JOHND	340136
AP-4148	AUPRO	S-4148	AP-8516N	AUPRO	S-8516N	AP24106H	JOHND	200600	AR-55216	JOHND	470380!
AP-415009	AUPRO	S-415009	AP-8594S	AUPRO	S-8594S	AP24550	JOHND	470590	AR-7708	CUMMI	5026
AP-415960	AUPRO	S-415960	AP-8610	AUPRO	S-8610	AP2492	MINNM	471354!	AR-98650	JOHND	412473!
AP-4160	AUPRO	S-4160	AP-8611N	AUPRO	S-8611N	AP2492	OLIVE	471354!	AR0437E0	NOK	8792S
AP-416273	AUPRO	S-416273	AP-8660S	AUPRO	S-8660S	AP26239	JOHND	470590	AR0587E	NOK	221510
AP-417158	AUPRO	S-417158	AP-8695S	AUPRO	S-8695S	AP26381H	JOHND	413246	AR0587E0	NOK	15X25X6!
AP-4249	AUPRO	S-4249	AP-8704S	AUPRO	S-8704S	AP26382H	JOHND	472012	AR0587E0	NOK	221510
AP-4250	AUPRO	S-4250	AP-8705S	AUPRO	S-8705S	AP26383H	JOHND	471760	AR0670E	NOK	16X24X7
AP-4278	AUPRO	S-4278	AP-8792S	AUPRO	S-8792S	AP26405	JOHND	340771	AR0670E0	NOK	16X24X6
AP-4370N	AUPRO	S-4370N	AP-8835S	AUPRO	S-8835S	AP2816	OLIVE	473228	AR0785E	NOK	3667
AP-442109	AUPRO	S-442109	AP-8871	AUPRO	S-8871	AP2816	WHITE	473228!	AR0785E0	NOK	3667
AP-442251	AUPRO	S-442251	AP-8974S	AUPRO	S-8974S	AP3169	OLIVE	5976S	AR0809E	NOK	1015N
AP-442874	AUPRO	S-442874	AP-9015S	AUPRO	S-9015S	AP3653	MINNM	474253	AR0809E0	NOK	18X28X6
AP-444116	AUPRO	S-444116	AP-9150S	AUPRO	S-9150S	AP3653	WHITE	473413	AR0809G	NOK	1015N
AP-455086	AUPRO	S-455086	AP-9178S	AUPRO	S-9178S	AP3654	OLIVE	472258	AR0888E0	NOK	240735
AP-470331N	AUPRO	S-470331N	AP-9316	AUPRO	S-9316	AP3654	WHITE	472258	AR0893E0	NOK	240816
AP-470361	AUPRO	S-470361	AP-9406S	AUPRO	S-9406S	AP6842E	NOK	473448	AR0897E	NOK	343185
AP-470460	AUPRO	S-470460	AP-9449	AUPRO	S-9449	AP6842E0	NOK	473448	AR0897E0	NOK	343185
AP-471224	AUPRO	S-471224	AP-9569S	AUPRO	S-9569S	AP68930	LUF	415196!	AR0913E	NOK	470954
AP-471271	AUPRO	S-471271	AP-9613S	AUPRO	S-9613S	AP72745	LUF	J1121	AR0913G0	NOK	470954!
AP-471424	AUPRO	S-471424	AP-9845	AUPRO	S-9845	AP7430E	NOK	480821!	AR100066	JOHND	486701
AP-473468	AUPRO	S-473468	AP-9864S	AUPRO	S-9864S	AP7430E0	NOK	480821!	AR1012E1	NOK	20X35X7!
AP-473677	AUPRO	S-473677	AP-9912	AUPRO	S-9912	AP7740E	NOK	471337	AR103873	JOHND	471281!
AP-4739	AUPRO	S-4739	AP0549E	NOK	472705!	AP7861E	NOK	471735	AR1168E0	NOK	240733
AP-4740	AUPRO	S-4740	AP0549E0	NOK	472705!	AP7861E0	NOK	471735	AR1201R	JOHND	320457
AP-474134	AUPRO	S-474134	AP0786E	NOK	471529	AP7864E	NOK	471570!	AR1314E2	NOK	25X40X7!
AP-4762N	AUPRO	S-4762N	AP0786E0	NOK	471529	AP7935F	NOK	471538	AR1335R	JOHND	472560N!
AP-4795V	AUPRO	S-4795V	AP0913E	NOK	470954!	AP7935F0	NOK	471538	AR1399F0	NOK	240731
AP-4899	AUPRO	S-4899	AP0987E1	NOK	20X30X7	AP7937E	NOK	471787!	AR1418E	NOK	471224
AP-493291	AUPRO	S-493291	AP1003E	NOK	222028	AP7937E0	NOK	471787!	AR1418E0	NOK	471224
AP-493637	AUPRO	S-493637	AP1012	AUPRO	S-1012N	AP8212F	NOK	471192	AR1587R	JOHND	450400
AP-494117	AUPRO	S-494117	AP1116E0	NOK	22X32X7!	AP8212F0	NOK	471192	AR1588F	NOK	340835
AP-494123	AUPRO	S-494123	AP1126	AUPRO	S-1126	AP8214F	NOK	471688	AR1592E	NOK	1037*
AP-51098	AUPRO	S-51098	AP1174	AUPRO	S-1174	AP8214F0	NOK	471688	AR1593G0	NOK	1037
AP-5121	AUPRO	S-5121	AP1177	AUPRO	S-1177	AP8240E	NOK	8059S	AR1774F0	NOK	340817
AP-5131	AUPRO	S-5131	AP1178	AUPRO	S-1178	AP8240E0	NOK	8059S	AR1818F0	NOK	240356
AP-5604	AUPRO	S-5604	AP1180	AUPRO	S-1180	AP8785E	NOK	481481	AR1995E	NOK	340853
AP-5697	AUPRO	S-5697	AP1181E	NOK	471267!	AP8785E0	NOK	481481	AR1995E0	NOK	340853
AP-5778	AUPRO	S-5778	AP1181E0	NOK	471267!	AP8901E0	NOK	25X42X10	AR1997E	NOK	472354!
AP-6358	AUPRO	S-6358	AP1247F0	NOK	24X37X7	AP8901E0	NOK	25X42X8!	AR1997E0	NOK	472354!
AP-6712NA	AUPRO	S-6712NA	AP1295	MINNM	470059	AP8916E	NOK	222450	AR20077R	JOHND	472258!
AP-6815	AUPRO	S-6815	AP1295	MINNM	470380!	AP01295	OLIVE	470059	AR2022E	NOK	323125

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
AR2022E NOK	450456!	AR69584 JOHND	471138!	AT12542 JOHND	473231!	AT43762 JOHND	477410=
AR2266F0 NOK	474276 *	AR69776 JOHND	410965=	AT12542T JOHND	473231	AT44697 JOHND	415483
AR2268F0 NOK	240319	AR70406 JOHND	2119 *=	AT12557 JOHND	357302	AT47901 JOHND	415449!
AR2269F0 NOK	240319	AR7108E0 NOK	240151	AT12557 JOHND	415991	AT48313 JOHND	204017
AR2575F NOK	340400	AR71558 JOHND	471271!	AT12820T JOHND	470954!	AT48334 JOHND	472924!
AR2575F0 NOK	340400	AR72375 JOHND	204013	AT12822T JOHND	471766!	AT49215 JOHND	473474
AR2643H0 NOK	45X60X10!	AR7241E NOK	340823	AT12888 JOHND	7014S	AT52447 JOHND	472164!
AR26480 JOHND	200855	AR7241E0 NOK	340823	AT12889 JOHND	1049	AT53802 JOHND	455056
AR26480R JOHND	200855	AR7277E0 NOK	240731	AT12996 JOHND	416292=	AT54995 JOHND	392077 *=
AR26482R JOHND	473459=	AR7302E NOK	46997S	AT13014 JOHND	41026S	AT55472 JOHND	417349!
AR26706 JOHND	415991	AR7382E0 NOK	472185!	AT13063 JOHND	471466	AT59652 JOHND	471267!
AR26939R JOHND	470898	AR7383E NOK	472185!	AT13063T JOHND	471466	AT61250 JOHND	315364 *=
AR27446 JOHND	200948	AR74485 JOHND	JX1141	AT13077 JOHND	254270	AT6550A GMC	473459
AR27446R JOHND	200948	AR74813 JOHND	471271!	AT13161 JOHND	415263	ATC7064 LEYLD	470898
AR27806 JOHND	7208S	AR78189 JOHND	416865!	AT13161T JOHND	473237!	ATN082 RFT	713041
AR28201R JOHND	417484!	AR78259 JOHND	455330!	AT13306T JOHND	471504	ATN090 RFT	223014
AR2908E NOK	40401	AR7901E NOK	253099	AT1393 GR-DV	415995!	ATN123 RFT	223035
AR2908E0 NOK	40401	AR7901E0 NOK	253099	AT1393 GR-DV	415995!	ATN129 RFT	223535
AR2915E NOK	40360S!	AR79581 JOHND	416327	AT13945 JOHND	471737	ATN132 RFT	713047
AR2915E0 NOK	40360S!	AR8081E0 NOK	7399S!	AT13945T JOHND	471737	ATN202 RFT	713152
AR29326 JOHND	240735	AR84782 JOHND	416476 *=	AT13956 JOHND	415995!	ATN227 RFT	713120
AR29326R JOHND	240735	AR84783 JOHND	5615 *=	AT13956 JOHND	415995!	ATN230 RFT	713013
AR31882R JOHND	5666	AR85311 JOHND	416332!	AT13956T JOHND	415995!	ATN342 RFT	713098
AR3329E NOK	40555	AR87199 JOHND	416332!	AT13956T JOHND	415995!	ATN353 RFT	231402
AR3329E NOK	40555S!	AR88797 JOHND	417601 *=	AT13960T JOHND	471272!	ATN355 RFT	713105
AR3329E0 NOK	40555	AR92893 JOHND	5625	AT13963 JOHND	472439	ATN366 RFT	713110
AR3329E0 NOK	40555S!	AR92894 JOHND	5625	AT14199 JOHND	486544N=	ATN368 RFT	713112
AR389R JOHND	471570!	AR94262 JOHND	417343!	AT14199T JOHND	486544N=	ATN371 RFT	713068
AR39043 JOHND	471442!	AR94610 JOHND	472157	AT14664 JOHND	471765!	ATN382 RFT	713014
AR39052 JOHND	471224!	AR94610 JOHND	472157!	AT14831 JOHND	473214	ATN387 RFT	229006
AR39117 JOHND	471652	AR963R JOHND	40169S	AT14831T JOHND	473214!	ATN395 RFT	713102
AR40687 JOHND	311189	AR98649 JOHND	416332!	AT14835T JOHND	416891!	ATN396 RFT	713149
AR40737 JOHND	471271!	AREX80020 JOHND	5976S	AT14841 JOHND	471341!	ATN397 RFT	231404
AR41795 JOHND	471504	ARX99437 JOHND	415021	AT14841T JOHND	471341!	ATN401 RFT	231250
AR42005 JOHND	415995!	ARX99437A JOHND	415035!	AT14924T JOHND	472164!	ATN402 RFT	713121
AR42005 JOHND	415995!	ARX99437A JOHND	415035	AT15561 JOHND	323138!	ATN407 RFT	713080
AR42330 JOHND	455151	AS44201 WGEAR	473229	AT15790 JOHND	6863S!	ATN414 RFT	710384
AR44137 JOHND	417563	AS4508945 GMC	7141=	AT16431 JOHND	417344!	ATN417 RFT	713108
AR44138 JOHND	416380!	AS4508EF-945 GMC	7141=	AT16431T JOHND	417344!	ATN438 RFT	229005
AR44949 JOHND	5666	AS49838 C-P	451583!	AT16887 JOHND	415458!	ATN441 RFT	713137
AR44950 JOHND	5666	AS7927 AVCO	415458!	AT17325T JOHND	471413!	ATN451 RFT	713147
AR45399 JOHND	415371	AS96417 C-P	340817	AT18387 JOHND	415458!	ATN455 RFT	713094
AR45401 JOHND	416339	ASF5726 AU-WS	472636!	AT18387T JOHND	415458!	ATN457 RFT	713144
AR46102 JOHND	45031S	ASF5727A AU-WS	415458!	AT18508T JOHND	473203	ATN459 RFT	713092
AR48946 JOHND	5666	ASF5853 AU-WS	417344!	AT18555T JOHND	472164!	ATN466 RFT	713145
AR49025 JOHND	450129	ASF5853A AU-WS	417344!	AT195T JOHND	345146	ATN471 RFT	713107
AR49025 JOHND	472826!	ASF5979 AU-WS	471689	AT20702 JOHND	471272!	ATN477 RFT	713125
AR49025 JOHND	5666	ASF5979A AU-WS	471689	AT20703 JOHND	200133	ATP506 RFT	713027
AR49592 JOHND	200855	ASF6000 AU-WS	473228	AT21143T JOHND	473203	ATP507 RFT	713028
AR51561 JOHND	412473!	ASF6000A AU-WS	473228	AT21608 JOHND	471272	ATP514 RFT	713039
AR515N JOHND	712270	ASF6001 AU-WS	474274	AT21693 JOHND	411500	ATP517 RFT	713087
AR52224 JOHND	472258!	ASF7590A AU-WS	471766	AT21780 JOHND	471652	ATP528 RFT	713114
AR52258 JOHND	417563	ASF8908 AU-WS	80313	AT22639 JOHND	471224!	ATP536 RFT	713150
AR52259 JOHND	416380!	ASF9155 B-L-H	415449!	AT22964 JOHND	714750	ATP547 RFT	713117
AR531 JOHND	472287!	AT10344T JOHND	472193!	AT22965 JOHND	415138!	ATP551 RFT	223275
AR531R JOHND	472287!	AT1106Z OWS	474276!	AT25329 JOHND	43290S	ATP553 RFT	224025
AR56967 JOHND	417210!	AT11492T JOHND	472560N!	AT25331 JOHND	416664!	ATP554 RFT	713118
AR56967 JOHND	486985=	AT11665T JOHND	481163!	AT25585 JOHND	472446	ATP558 RFT	713154
AR58155 JOHND	417254	AT11676T JOHND	473517!	AT344T JOHND	410059	ATP572 RFT	713119
AR58512 JOHND	455576!	AT11888 JOHND	472287!	AT344T JOHND	470380!	ATP575 RFT	713051
AR58716 JOHND	3492V	AT11927 JOHND	6703S	AT34656 JOHND	415995!	ATP576 RFT	224220
AR608R JOHND	471763	AT11979T JOHND	473459	AT34656 JOHND	415995!	ATP580 RFT	713122
AR618R JOHND	451583!	AT119T JOHND	471766!	AT353 MINNM	472258	ATP585 RFT	713055
AR62328 JOHND	470954!	AT12341T JOHND	472185=	AT36255 JOHND	412920!	ATP587 RFT	713060
AR64671 JOHND	471231!	AT12427 JOHND	410825	AT36612 JOHND	472397!	ATP596 RFT	713065
AR66751 JOHND	417621!	AT12427T JOHND	410825	AT38188 JOHND	473313!	ATP597 RFT	713020
AR66752 JOHND	416888!	AT12431 JOHND	472185=	AT39319 JOHND	455056	ATP602 RFT	713126
AR67942 JOHND	471272=	AT12431T JOHND	472185=	AT39525 JOHND	410825	ATP606 RFT	226480
AR6868E NOK	473237!	AT12520 JOHND	471138=	AT40603 JOHND	471984	ATP611 RFT	713131
AR6868E1 NOK	473237!	AT12540T JOHND	471138!	AT40731 JOHND	415066	ATP621 RFT	713133
AR69354 JOHND	3275=	AT12541 JOHND	417316!	AT43415 JOHND	415995 *=	ATP623 RFT	713085
AR69355 JOHND	3203=	AT12541T JOHND	417316!	AT43738 JOHND	471692=	ATP626 RFT	713077

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
ATP628 RFT		713136	ATY13960T JOHND		471272!	AW194410 CLARK		471271!	AX82405 ALLCH		471763
ATP635 RFT		713088	ATY1535B JOHND		471766!	AW194411 B-L-H		471621!	AX91827 ALLCH		417278
ATP643 RFT		713089	ATY20047A JOHND		472164!	AW194412 B-L-H		415442!	AX91998 ALLCH		416664!
ATP648 RFT		713101	ATY20176B JOHND		472164!	AW194412 CLARK		415442!	AX9209 GMC		6358
ATP649 RFT		713109	ATY21425A JOHND		352541	AW194414 B-L-H		415146!	AX92276 ALLCH		450084!
ATP661 RFT		713129	ATY21484A JOHND		472560N!	AW194414 B-L-H		415991	AXA0043 FRUEH		376590A
ATP672 RFT		713008	ATY21524A JOHND		352541	AW194414 CLARK		415146!	AXA0043-1 FRUEH		376590A
ATP675 RFT		713116	ATY22340A JOHND		470954!	AW194414 CLARK		415991	AXA3271 GMC		471652
ATP676 RFT		713005	ATY22413A JOHND		471766!	AW194415 B-L-H		415138!	AXA7317 BENDI		471141!
ATP677 RFT		713037	ATY22428B JOHND		473214	AW194415 CLARK		415138!	AXS115 COC		410308!
ATP692 RFT		222510	ATY3502 JOHND		473234	AW194417 B-L-H		471271!	AXS126 COC		471554!
ATP703 RFT		713021	ATY3534 JOHND		470625!	AW194417 CLARK		471271!	AXS188 COC		471750!
ATP708 RFT		713139	ATY3535A JOHND		472924!	AW194418 B-L-H		470625!	AXS268 COC		415458!
ATP715 RFT		713019	ATY3557A JOHND		471192	AW194418 CLARK		470625!	AXS269 COC		415458!
ATP717 RFT		713032	ATY3558A JOHND		471224!	AW194426 B-L-H		416664!	AXS270 COC		472492!
ATP718 RFT		713048	ATY3737A JOHND		471570!	AW194426 CLARK		415085!	AXS33 COC		471766!
ATP776 RFT		713056	ATY3915 JOHND		473445	AW194430 B-L-H		471138!	AXS34 COC		471870!
ATP777 RFT		713061	ATY3917 JOHND		410496!	AW194430 CLARK		471138!	AZ1026A EATON		471554!
ATP781 RFT		713082	ATY4003 JOHND		470334!	AW194431 B-L-H		417343!	AZ1787F NOK		710068
ATP788 RFT		713130	ATY4841A JOHND		345146	AW194431 CLARK		417343!	AZ1787F0 NOK		710068
ATP789 RFT		713156	ATY5135B JOHND		471766!	AW194434 B-L-H		415995!	AZ2245E NOK		223842
ATP790 RFT		226480	ATY513S JOHND		471766!	AW194434 CLARK		415995!	AZ2254G NOK		710509
ATP800 RFT		713141	ATY5219B JOHND		473231	AW194435 B-L-H		473237!	AZ3320H JOHND		471765!
ATP805 RFT		713099	ATY5317 JOHND		472924!	AW194435 CLARK		473237!	AZ41341 JOHND		125X150X12!
ATP814 RFT		713011	ATY5503 JOHND		472287!	AW194436 B-L-H		470954!	AZ6886E NOK		5131
ATP835 RFT		713042	ATY6517A JOHND		471766!	AW194436 CLARK		470954!	AZ6886E0 NOK		5131
ATP838 RFT		713006	ATY6517F JOHND		410059	AW194439 B-L-H		472015!	AZ6919E NOK		1952
ATP841 RFT		224025	ATY6517F JOHND		470380!	AW194439 CLARK		472015!	AZ6919E0 NOK		1952
ATP852 RFT		713016	ATY6563B JOHND		323138!	AW194440 B-L-H		471349	AZ7283E0 NOK		2300
ATP856 RFT		226480	ATY6577B JOHND		340853	AW194440 CLARK		471349!	AZ7595E NOK		200371
ATP857 RFT		713096	ATY7517A JOHND		471766!	AW194441 B-L-H		476470!	AZ7595E0 NOK		200371
ATP861 RFT		713072	ATY9242A JOHND		471763	AW194441 B-L-H		476470	AZ8045E NOK		2016
ATP864 RFT		713081	ATY9243A JOHND		470950!	AW194441 CLARK		476470	AZ8045E0 NOK		2016
ATP867 RFT		713075	ATY9243A JOHND		6241S	AW194442 B-L-H		416664!	AZ8415E0 NOK		5131
ATP869 RFT		713143	ATY9244A JOHND		473231	AW194442 CLARK		416664!	AZ8443E NOK		2300
ATP870 RFT		713090	ATY9245A JOHND		472164!	AW194443 B-L-H		417172	B-0010 GRAM		471532
ATP880 RFT		713004	ATY9245B JOHND		472164!	AW194443 CLARK		417172	B-1865 KEWNE		450984
ATP881 RFT		713146	AU42507 JOHND		472636	AW2732E NOK		710191	B-DO301 WAUKE		470088
ATP884 RFT		713124	AU43436 JOHND		392076* =	AW2864E NOK		225040	B-L317A BR-WN		473213!
ATP886 RFT		713038	AU43766 JOHND		200870	AW3003E0 NOK		710021	B006 VIC		HU012A
ATP888 RFT		713009	AUC1AK9424 WHITE		472572!	AW337787 CHRYS		710182	B007 VIC		HU013A
ATP889 RFT		713104	AW10266 JOHND		473460	AW337788 CHRYS		710183	B05761 PAARS		415058
ATPC258511AV Y-T		455253	AW10327W JOHND		471795	AX10474 ALLCH		471391!	B059 VIC		H075
ATV901 RFT		713010	AW10433 JOHND		450065	AX10834 ALLCH		416664!	B10006CA SPG		710043
ATV903 RFT		713052	AW10434 JOHND		40183S!	AX13068 ALLCH		473441	B100165RE0 SPG		100165
ATV911 RFT		713086	AW14092 AU-WS		417316!	AX1805D-472 ROCKW		455434	B1003 HUGKE		416339
ATV916 RFT		713106	AW194014 AU-WS		415995!	AX1805E-473 ROCKW		415035	B1003 HUGKE		455031!
ATV930 RFT		713022	AW194066 B-L-H		473450	AX1805W-465 ROCKW		415960!	B100318RER SPG		4614N
ATV950 RFT		713083	AW194198 B-L-H		470954!	AX18583 ALLCH		417349	B100357VA8 SPG		100357
ATV952 RFT		713084	AW194198 CLARK		470954!	AX24100 ALLCH		J1086=	B100552VJ0 SPG		100552
ATV960 RFT		713093	AW194204 B-L-H		416404!	AX241001 ALLCH		J1118	B100713VAA8 SPG		100713V
ATV961 RFT		713078	AW194204 CLARK		416404!	AX25957 ALLCH		417316!	B103254 BENDI		472636!
ATV992 RFT		713142	AW194218 B-L-H		472492!	AX27019 ALLCH		471224!	B1043 HU-WR		471820
ATV993 RFT		713140	AW194224 B-L-H		471267!	AX2712601 ALLCH		471442!	B1065 ACF		473462
ATV997 RFT		713071	AW194234 B-L-H		417349	AX317830 ACDEL		J1105	B1094 OLIVE		471192
ATV998 RFT		713033	AW194250 B-L-H		413247!	AX317830 GMC		J1105	B10P88H IH		416654!
ATV999 RFT		713148	AW194256 B-L-H		415991	AX411 IH		5836	B1110A OLIVE		415991
ATY10746 JOHND		417316!	AW194256 B-L-H		455146!	AX510 IH		6358	B1110A OLIVE		455146!
ATY11170A JOHND		417316!	AW194294 B-L-H		415035	AX57252 ALLCH		476470!	B112306 OLIVE		470059
ATY11172A JOHND		472287!	AW194294 B-L-H		415035!	AX57252 ALLCH		476470	B112306 OLIVE		470380!
ATY11173A JOHND		470625!	AW194296 B-L-H		417351!	AX57280 ALLCH		473197	B1175 FORD		416738!
ATY11174A JOHND		470712!	AW194314 B-L-H		413469!	AX62651 ALLCH		416292	B1175 FORD		450096
ATY11176 JOHND		450400	AW194332 B-L-H		471271!	AX64701 ALLCH		415937!	B12424 BUC-E		470954
ATY11176A JOHND		450400	AW194336 B-L-H		416919	AX66089 JOHND		471554!	B12536X WHITE		411253!
ATY11180 JOHND		473215!	AW194338 B-L-H		416956	AX72933 ALLCH		415213N	B12571 CASE		455019!
ATY11345A JOHND		240735	AW194354 AU-WS		55301S	AX74574 JOHND		471224!	B12598X WHITE		415960!
ATY11402A JOHND		470954!	AW194374 B-L-H		480210!	AX76253 ALLCH		415832	B126 OLIVE		473467!
ATY11519A JOHND		473459	AW194380 B-L-H		470625!	AX76560 ALLCH		415627	B12912 WHITE		415960!
ATY11738A JOHND		471737	AW194388 B-L-H		7208S	AX76728 ALLCH		416921!	B1311 HU-WR		473457!
ATY12170A JOHND		471766!	AW194408 B-L-H		476470	AX81489 ALLCH		473016!	B13247B JOHND		200371
ATY12340A JOHND		254287	AW194408 CLARK		476470	AX81708 ALLCH		471424!	B132703M GMC		473225!
ATY12340AA JOHND		254287	AW194410 B-L-H		471271!	AX81725 ALLCH		417349!	B132703T CASE		415064

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B132704A	B-L-H	473458!	B18378	WHITE	415995!	B370015BG	SPG	370015A	B4245A2	FORD	450044
B132704AA	B-L-H	417485	B18403	WHITE	412119!	B370018BG	SPG	418028	B430	ITM	1097N
B132704AB	B-L-H	416921!	B1AZ7052B	FORD	410059	B370019BG	SPG	370019A	B4434VDO	SPG	4434V
B132704AC	B-L-H	416654!	B1AZ7052B	FORD	470380!	B370020BG	SPG	370020A	B4525VAO	SPG	4525V
B132704AD	B-L-H	415995!	B203	ITM	330385!	B370022BG	SPG	416892	B453106	CONCA	415128
B132704AE	B-L-H	455019!	B20374	WHITE	7208S	B370023BG	SPG	370023A	B4551	WAUKE	473215!
B132704AF	B-L-H	455020	B20376	WHITE	5965	B370024BG	SPG	417505	B45558	VIC	13338
B132704AG	B-L-H	415021	B20377	WHITE	455134!	B370025BG	SPG	416158	B45684	VIC	35327
B132704AH	B-L-H	455022	B2054BGR	SPG	6358	B370026BG	SPG	370026A	B4569VJ	SPG	714569
B132704AK	B-L-H	415023	B2082BGR	SPG	9128S	B370027BG	SPG	370027A	B45856	VIC	TCS45868
B132704AL	B-L-H	455024	B2082BX	SPG	2082	B370028BG	SPG	416865	B4613R	SPG	4613N
B132704AM	B-L-H	415025	B2082BXR	SPG	9128S	B370029BG	SPG	370029A	B4613RER	SPG	4613N
B132704B	B-L-H	450084!	B20B	FUNK	413247!	B370030BG	SPG	370030A	B4613RER	SPG	4613N
B132704D	B-L-H	473462	B21461	WGEAR	472560N!	B370031BG	SPG	415058	B4614R	SPG	4614N
B132704E	B-L-H	472924!	B21479	WHITE	412920!	B370033BG	SPG	370033A	B4614RER	SPG	4614N
B132704E	CLARK	472924!	B2155BJ	SPG	2155	B370034BG	SPG	370034A	B4675VD8	SPG	714675
B132704F	B-L-H	470530!	B2155BJR	SPG	5089	B370036BG	SPG	370036A	B4679RFR	SPG	714679
B132704G	B-L-H	410102	B23003	BOSTN	340771	B370037BG	SPG	370037A	B4725	WAUKE	450593!
B132704H	B-L-H	416738!	B23377	WHITE	455022	B370043BG	SPG	370043A	B4729	ALLCH	415449!
B132704H	B-L-H	450096	B23525	WHITE	415960!	B370046BG	SPG	370046A	B4738RFR	SPG	4738N
B132704K	B-L-H	413469!	B23915	WHITE	412119	B370047BG	SPG	370047A	B4832CAR	SPG	472572
B132704L	B-L-H	412943	B2424	TMTR	471413	B370048BG	SPG	370048A	B4857VJ8	SPG	4857
B132704M	B-L-H	411253!	B24269	WHITE	411253!	B370051BG	SPG	370051A	B490	ACF	40468
B132704N	B-L-H	410694!	B25212	VIC	13069	B370054BG	SPG	370054A	B4939	ALLCH	470898!
B132704P	B-L-H	412119!	B256	OLIVE	470334!	B370057BG	SPG	370057A	B4A6348A	FORD	5479\$
B132704Q	B-L-H	417073	B256A	OLIVE	471649!	B370063BG	SPG	416865	B4A6701A	FORD	5479\$
B132704R	B-L-H	415001!	B2756R	SPG	2756N	B370064BGR	SPG	370064A	B4AZ6336B	FORD	5479\$
B132704S	B-L-H	415988	B275A	OLIVE	474279N	B370065BG	SPG	370065A	B4J1175A	FORD	415857!
B132704T	B-L-H	415458!	B275B	OLIVE	50199S!	B370066BG	SPG	417507	B4Q1144A	FORD	5487\$
B132704U	B-L-H	455008	B275B	OLIVE	6863S!	B370069BG	SPG	370069A	B4Q1174A	FORD	5487\$
B132704X	B-L-H	415960!	B2TZ1175A	FORD	415960	B370078BGR	SPG	370078A	B4Q1175B	FORD	455858
B13281	CASE	204013	B302	NATL	B300	B370086BG	SPG	370086A	B4Q7288A	FORD	471267!
B13281P	CASE	204013	B302	WMG	B300	B370094BG	SPG	370094A	B4Q7918A	FORD	415449!
B13307	WHITE	417537	B307	ALLCH	472439	B370106BG	SPG	370106A	B4T1181A	FORD	5487\$
B13307X	WHITE	417537	B309	ALLCH	471442!	B370107BG	SPG	370107A	B4T4676A	FORD	410737!
B13310	WHITE	417278	B313	HYST	473449!	B370109BGR	SPG	370109A	B4T12001A	FORD	5487\$
B13332	WHITE	416288!	B31311	JOHND	200392	B370119BGR	SPG	370119A	B504	ALLCH	416888!
B137	O-M	482309	B31312	JOHND	200371	B370120BG	SPG	370120A	B510	HU-WR	470059
B137A	JNSON	471648	B32038	WHITE	411253!	B370121BG	SPG	370121A	B510	HU-WR	470380!
B13819	CASE	5458\$	B32039	WHITE	455280	B370124BG	SPG	370124A	B521	HU-WR	415116
B13876	JOHND	204029	B32040	WHITE	415960!	B370131BG	SPG	370131A	B529116	B-L-H	415449!
B13876	JOHND	204507!	B32041	WHITE	416288!	B370132BG	SPG	370132A	B538	HU-WR	470086
B13876B	JOHND	204029	B32042	WHITE	417082	B370145BG	SPG	370145A	B5502	WAUKE	471137
B13876B	JOHND	204507!	B32043	WHITE	417485	B370150BG	SPG	370150A	B572	HU-WR	470050
B1424	ALLCH	416888!	B32044	WHITE	410496!	B370165BG	SPG	415958	B58260	BENDI	410694!
B1443	OLIVE	415449!	B32045	WHITE	415995!	B370166BGR	SPG	370166A	B58693	KELSE	350936
B1451	CR-CF	472439	B32046	WHITE	412119!	B370195VG	SPG	370195A	B5A1190A	FORD	6815
B1452	CR-CF	471137	B320475	SPG	44X62X8!	B370199V	SPG	370199A	B5A4676A	FORD	6808N
B1458	ALLCH	471765!	B32073	WHITE	412119!	B370199VG0	SPG	370199A	B5A7657A	FORD	7300S
B1459	ALLCH	473426	B32076	WHITE	412119!	B370199VR	SPG	370199A	B5A77288A	FORD	240816
B1464	ALLCH	471466!	B3250	WHITE	415960!	B370211V	SPG	370211A	B5A77362B	FORD	25598
B1479	ALLCH	471652	B3250617	IH	472560N!	B370212V	SPG	370212A	B5A77837A	FORD	473459
B149A	BR-WN	473238	B3267	WAUKE	450033	B370215VX	SPG	417544	B5AZ1190A	FORD	6815
B150683K	CONTI	471413!	B3271	WAUKE	471554!	B370338BG	SPG	370338A%	B5AZ7052A	FORD	473234!
B1517	HU-WR	415458!	B3281	WAUKE	476838!	B370349BG	SPG	370349A%	B5AZ7657A	FORD	7300S
B1520	HU-WR	472572!	B339R	JOHND	411253!	B370352BG	SPG	370352A	B5AZ7A248A	FORD	473459
B152012EX	OLIVE	470059	B3459RFR	SPG	3459	B376590BG	SPG	376590A%	B5AZ7A294A	FORD	25598
B152012EX	OLIVE	470380!	B3693M	AT IM	352541	B3830	ALLCH	416888!	B5D4676A	FORD	6808N
B1524	ALLCH	451583!	B370001BG	SPG	370001A	B3857	WAUKE	470530!	B5QH1190A	FORD	6638S
B15300B	JOHND	200392	B370002BG	SPG	370002A	B3945RAR	SPG	3945	B5T7274A	FORD	6847S
B16154P	CASE	415254	B370003BG	SPG	370003A	B396	F-R-H	415645!	B5T7274B	FORD	471267!
B16159	CASE	471413!	B370004BG	SPG	370004A	B396	F-R-H	455104	B5T24676A	FORD	6808N
B16407	CASE	471787!	B370005BG	SPG	370005A	B397	F-R-H	415036	B60305	BENDI	471442!
B166564	HEIL	370036A	B370006BG	SPG	370006A	B399R	JOHND	411253!	B6107	GEM	417267
B17547	WHITE	410496!	B370007BG	SPG	370007A	B3AZ3B592A	FORD	470954	B65468	BENDI	411253!
B17553	WHITE	415196!	B370008BG	SPG	370008A	B3TZ7A011A	FORD	410308!	B66809	BENDI	472705!
B17579	WHITE	416167!	B370008BG1	SPG	370008A	B4142	WAUKE	471549!	B67315	BENDI	411253!
B17767	WHITE	415645!	B370009BG	SPG	417506	B4150RFR	SPG	4150N	B67338	BENDI	470590
B17767	WHITE	455104	B370010BG	SPG	417134	B4150RFR	SPG	710096	B683	MINNM	340771
B17909	US-EL	470712!	B370011BG	SPG	370011A	B41511P	MID-R	473016!	B683	WHITE	340771
B18319	US-EL	412943	B370012BG	SPG	370012A	B4243VGR	SPG	713750	B693	HOUGH	472924!
B18338A	US-EL	415988	B370014BG	SPG	417172	B4245A1	FORD	450044	B693	OLIVE	472924!

! Industrial Size/Type % Spindle Mount \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
B6938	WAUKE	471570!	B85786	WHELA	417262!	BA1607E	NOK
B6981	WAUKE	473444	B85788	WHELA	455397	BA1607E0	NOK
B6982	WAUKE	473367!	B85789	WHELA	415551	BA2990E0	NOK
B6982	WAUKE	473367!	B866504	BENDI	472354!	BA3115E0	NOK
B6A3591A	FORD	240356	B870	HU-WR	473214	BB0150E	NOK
B6A4676A	FORD	5778	B88372	BENDI	473473	BB0150E0	NOK
B6J1175A	FORD	416297	B8851	WHITE	415142	BB0504E	NOK
B6Q1174A	FORD	5487\$	B889864	BENDI	350909	BB0504E0	NOK
B6Q1175A	FORD	455858	B889864	BENDI	471224!	BB0553X	NOK
B6Q3591A	FORD	7537S	B8A12143A	FORD	13069	BB0553X0	NOK
B6QH1174A	FORD	6532S=	B8A4676A	FORD	6930	BB0562X	NOK
B6T1181A	FORD	5487\$	B8A4676B	FORD	7044NA	BB0562X0	NOK
B70436	CONCA	450165	B8AZ6701A	FORD	5112	BB0682X	NOK
B70436	CONCA	471801!	B8AZ6701A	FORD	5112S	BB0682X0	NOK
B71094	CONCA	471750!	B8E77497A	FORD	424	BB0897E	NOK
B71454	CONCA	472164!	B8QH1175A	FORD	415351!	BB0897E0	NOK
B71459	CONCA	470625!	B8QH1175B	FORD	370004A	BB0898E	NOK
B71460	CONCA	471570!	B8QH1190A	FORD	416130!	BB0898E0	NOK
B76414	BENDI	471730	B8QH4676A	FORD	416282	BB1021	HU-WR
B77413	BENDI	415991	B8QH4676B	FORD	415458!	BB1022	HU-WR
B77413	BENDI	455146!	B8QH4813A	FORD	417484!	BB1022	HU-WR
B7785	WHITE	416339	B8QH6700A	FORD	413246	BB1033	HU-WR
B7785	WHITE	455031!	B8QH7288A	FORD	240733	BB1036E0	NOK
B7822	WAUKE	471750!	B8QH7288B	FORD	471570!	BB1175C	FORD
B792	HU-WR	411253!	B8QH7912A	FORD	417316!	BB1175C	KELSE
B79211	BENDI	471688	B8QH7918A	FORD	417316!	BB1185E0	NOK
B79699	BENDI	470774!	B8QH7918B	FORD	415449!	BB1191E0	NOK
B7A1177A	FORD	473228	B8TZ4676A	FORD	415458	BB16277	DIA
B7A1177B	FORD	9568	B8TZ4676B	FORD	415458	BB1722	DIA
B7A1177B1	FORD	9568	B8TZ7052A	FORD	417316!	BB1730	DIA
B7A4676A	FORD	6930	B8TZ7052B	FORD	415449!	BB1747	DIA
B7A7047A	FORD	471652	B90145	CONCA	471750!	BB21723	DIA
B7A7047A	FORD	482208!	B90146	CONCA	473467!	BB22257	DIA
B7A77497A	FORD	421	B90668EX	OLIVE	473228	BB22274	DIA
B7AZ7A283A	FORD	471652	B96405	BENDI	417485	BB22274	DIA
B7AZ7A283A	FORD	482208!	B9733005	MWKE	481537	BB23710	DIA
B7AZ7A283B	FORD	471652	B9733006	KELSE	46997S	BB23769	DIA
B7AZ7A283B	FORD	482208!	B9733008	KELSE	45187S	BB26040	DIA
B7C1190A	FORD	44053	B9848	WHITE	455280	BB26249	DIA
B7T1190A	FORD	44052	B985721	BENDI	471413	BB26249	DIA
B7T3591A	FORD	471224!	B985722	BENDI	471264	BB27207	DIA
B7T7048A	FORD	415988	B98907	BENDI	473458!	BB29261	DIA
B7TZ1174A	FORD	6532S=	B9A77837A	FORD	331107N	BB4686	FORD
B7TZ1190A	FORD	6954S	B9AP7A248A	FORD	473459	BB51HE	TW-DI
B7TZ7A011A	FORD	415988	B9AZ3591A	FORD	240151	BB5232	DIA
B7TZ7A248A	FORD	412119!	B9AZ7A248A	FORD	473459	BB6063	DIA
B7Y1190A	FORD	6954S	B9C1190A	FORD	442380	BB6210	DIA
B80012	CONCA	472924!	B9C4224A	FORD	40769S	BB6256	DIA
B800409-011-060	FRUEH	472164!	B9C7288B	FORD	470954	BB7830E	NOK
B800409-011-061	FRUEH	472164!	B9MZ3A718A	FORD	240151	BB8463E0	NOK
B800409-011-062	FRUEH	416339	B9QH12143A	FORD	427RR	BBB307A0	NOK
B800409-011-062	FRUEH	455031!	B9QH4813A	FORD	471271!	BBB560A0	NOK
B800409011065	FRUEH	415150!	B9T1181A	FORD	7154S	BC0595E	NOK
B80179AA	PARK	7639S	B9T4813A	FORD	10049S	BC0595E	NOK
B82491	BENDI	411500	B9T4813A	FORD	417349	BC0595E0	NOK
B826563	BENDI	471413	B9T6700A	FORD	413246	BC0595E0	NOK
B83064	BENDI	412473!	B9TE6700A	FORD	350936	BC1122E	NOK
B83542	BENDI	476470	B9TE6700A1	FORD	350936	BC1122E0	NOK
B8423	WAUKE	473407	B9TT3254A	FORD	40769S	BC1122F	NOK
B85770	WHELA	415449!	B9TT4676A	FORD	472016	BC112E	NOK
B85771	WHELA	416888!	B9TT4813A	FORD	470898	BC2078E	NOK
B85772	WHELA	415138!	B9TZ1190A	FORD	442380	BC2078F0	NOK
B85773	WHELA	416865!	B9TZ3254A	FORD	40769S	BC2185F	NOK
B85774	WHELA	416107!	B9TZ4676A	FORD	415483	BC3074E0	NOK
B85774	WHELA	455073	BA0475E	NOK	480491	BC3447E0	NOK
B85775	WHELA	416666	BA0475E0	NOK	480491	BC3472E	NOK
B85776	WHELA	415294!	BA1011	HU-WR	470950!	BC3472E0	NOK
B85777	WHELA	416364!	BA1011	HU-WR	6241S	BC3551E	NOK
B85779	WHELA	417600	BA1012	HU-WR	471766!	BC3776F0	NOK
B85782	WHELA	55239=	BA1350E0	NOK	452872=	BC4941E0	NOK
B85783	WHELA	415482	BA1415E	NOK	480581	BC4941E0	NOK
B85785	WHELA	416654!	BA1415E0	NOK	480581	BC5936E	NOK
B6938	WAUKE	471570!	B85786	WHELA	417262!	BA1607E	NOK
B6981	WAUKE	473444	B85788	WHELA	455397	BA1607E0	NOK
B6982	WAUKE	473367!	B85789	WHELA	415551	BA2990E0	NOK
B6982	WAUKE	473367!	B866504	BENDI	472354!	BA3115E0	NOK
B6A3591A	FORD	240356	B870	HU-WR	473214	BB0150E	NOK
B6A4676A	FORD	5778	B88372	BENDI	473473	BB0150E0	NOK
B6J1175A	FORD	416297	B8851	WHITE	415142	BB0504E	NOK
B6Q1174A	FORD	5487\$	B889864	BENDI	350909	BB0504E0	NOK
B6Q1175A	FORD	455858	B889864	BENDI	471224!	BB0553X	NOK
B6Q3591A	FORD	7537S	B8A12143A	FORD	13069	BB0553X0	NOK
B6QH1174A	FORD	6532S=	B8A4676A	FORD	6930	BB0562X	NOK
B6T1181A	FORD	5487\$	B8A4676B	FORD	7044NA	BB0562X0	NOK
B70436	CONCA	450165	B8AZ6701A	FORD	5112	BB0682X	NOK
B70436	CONCA	471801!	B8AZ6701A	FORD	5112S	BB0682X0	NOK
B71094	CONCA	471750!	B8E77497A	FORD	424	BB0897E	NOK
B71454	CONCA	472164!	B8QH1175A	FORD	415351!	BB0897E0	NOK
B71459	CONCA	470625!	B8QH1175B	FORD	370004A	BB0898E	NOK
B71460	CONCA	471570!	B8QH1190A	FORD	416130!	BB0898E0	NOK
B76414	BENDI	471730	B8QH4676A	FORD	416282	BB1021	HU-WR
B77413	BENDI	415991	B8QH4676B	FORD	415458!	BB1022	HU-WR
B77413	BENDI	455146!	B8QH4813A	FORD	417484!	BB1022	HU-WR
B7785	WHITE	416339	B8QH6700A	FORD	413246	BB1033	HU-WR
B7785	WHITE	455031!	B8QH7288A	FORD	240733	BB1036E0	NOK
B7822	WAUKE	471750!	B8QH7288B	FORD	471570!	BB1175C	FORD
B792	HU-WR	411253!	B8QH7912A	FORD	417316!	BB1175C	KELSE
B79211	BENDI	471688	B8QH7918A	FORD	417316!	BB1185E0	NOK
B79699	BENDI	470774!	B8QH7918B	FORD	415449!	BB1191E0	NOK
B7A1177A	FORD	473228	B8TZ4676A	FORD	415458	BB16277	DIA
B7A1177B	FORD	9568	B8TZ4676B	FORD	415458	BB1722	DIA
B7A1177B1	FORD	9568	B8TZ7052A	FORD	417316!	BB1730	DIA
B7A4676A	FORD	6930	B8TZ7052B	FORD	415449!	BB1747	DIA
B7A7047A	FORD	471652	B90145	CONCA	471750!	BB21723	DIA
B7A7047A	FORD	482208!	B90146	CONCA	473467!	BB22257	DIA
B7A77497A	FORD	421	B90668EX	OLIVE	473228	BB22274	DIA
B7AZ7A283A	FORD	471652	B96405	BENDI	417485	BB22274	DIA
B7AZ7A283A	FORD	482208!	B9733005	MWKE	481537	BB23710	DIA
B7AZ7A283B	FORD	471652	B9733006	KELSE	46997S	BB23769	DIA
B7AZ7A283B	FORD	482208!	B9733008	KELSE	45187S	BB26040	DIA
B7C1190A	FORD	44053	B9848	WHITE	455280	BB26249	DIA
B7T1190A	FORD	44052	B985721	BENDI	471413	BB26249	DIA
B7T3591A	FORD	471224!	B985722	BENDI	471264	BB27207	DIA
B7T7048A	FORD	415988	B98907	BENDI	473458!	BB29261	DIA
B7TZ1174A	FORD	6532S=	B9A77837A	FORD	331107N	BB4686	FORD
B7TZ1190A	FORD	6954S	B9AP7A248A	FORD	473459	BB51HE	TW-DI
B7TZ7A011A	FORD	415988	B9AZ3591A	FORD	240151	BB5232	DIA
B7TZ7A248A	FORD	412119!	B9AZ7A248A	FORD	473459	BB6063	DIA
B7Y1190A	FORD	6954S	B9C1190A	FORD	442380	BB6210	DIA
B80012	CONCA	472924!	B9C4224A	FORD	40769S	BB6256	DIA
B800409-011-060	FRUEH	472164!	B9C7288B	FORD	470954	BB7830E	NOK
B800409-011-061	FRUEH	472164!	B9MZ3A718A	FORD	240151	BB8463E0	NOK
B800409-011-062	FRUEH	416339	B9QH12143A	FORD	427RR	BBB307A0	NOK
B800409-011-062	FRUEH	455031!	B9QH4813A	FORD	471271!	BBB560A0	NOK
B800409011065	FRUEH	415150!	B9T1181A	FORD	7154S	BC0595E	NOK
B80179AA	PARK	7639S	B9T4813A	FORD	10049S	BC0595E	NOK
B82491	BENDI	411500	B9T4813A	FORD	417349	BC0595E0	NOK
B826563	BENDI	471413	B9T6700A	FORD	413246	BC0595E0	NOK
B83064	BENDI	412473!	B9TE6700A	FORD	350936	BC1122E	NOK
B83542	BENDI	476470	B9TE6700A1	FORD	350936	BC1122E0	NOK
B8423	WAUKE	473407	B9TT3254A	FORD	40769S	BC1122F	NOK
B85770	WHELA	415449!	B9TT4676A	FORD	472016	BC112E	NOK
B85771	WHELA	416888!	B9TT4813A	FORD	470898	BC2078E	NOK
B85772	WHELA	415138!	B9TZ1190A	FORD	442380	BC2078F0	NOK
B85773	WHELA	416865!	B9TZ3254A	FORD	40769S	BC2185F	NOK
B85774	WHELA	416107!	B9TZ4676A	FORD	415483	BC3074E0	NOK
B85774	WHELA	455073	BA0475E	NOK	480491	BC3447E0	NOK
B85775	WHELA	416666	BA0475E0	NOK	480491	BC3472E	NOK
B85776	WHELA	415294!	BA1011	HU-WR	470950!	BC3472E0	NOK
B85777	WHELA	416364!	BA1011	HU-WR	6241S	BC3551E	NOK
B85779	WHELA	417600	BA1012	HU-WR	471766!	BC3776F0	NOK
B85782	WHELA	55239=	BA1350E0	NOK	452872=	BC4941E0	NOK
B85783	WHELA	415482	BA1415E	NOK	480581	BC4941E0	NOK
B85785	WHELA	416654!	BA1415E0	NOK	480581	BC5936E	NOK
BCC112A0	NOK	50X72X8!	BCC176A	NOK	40X62X8!	BCC176A0	NOK
BCC176A	NOK	40X62X8!	BCC176A0	NOK	40X62X12!	BCC261A0	NOK
BCC261A0	NOK	70X110X10!	BCC300A0	NOK	45X60X10!	BCC458A0	NOK
BCC300A0	NOK	45X60X10!	BCC458A0	NOK	75X95X10!	BD-3277-G	NOK
BCC458A0	NOK	75X95X10!	BD-3277-G				

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
BD3467E	NOK	710150	BE3046E	NOK	231052	BG2616E0	NOK	224254	BH1941E1	NOK	32X47X7!
BD3467E0	NOK	710150	BE3046E0	NOK	231052	BG2664E	NOK	473677	BH1952E	NOK	1036
BD3534E	VIC	4898	BE3046F	NOK	231052	BG2664E0	NOK	40X55X8	BH1952E0	NOK	1036
BD3537E	NOK	1993	BE3062E0	NOK	223840	BG2972E	NOK	1953	BH1952F0	NOK	1146
BD3537E0	NOK	1993	BE3062E0	NOK	38X58X8!	BG2972E0	NOK	42X60X7!	BH1999E	NOK	223340
BD3537F	VIC	225673	BE3062G	NOK	223842	BG3657E	NOK	222310	BH1999E0	NOK	223340
BD3543E	NOK	4898	BE3146E	NOK	224026	BG3657E0	NOK	222310	BH2006-E0	NOK	320595
BD3586E	NOK	710176	BE3309E0	NOK	40X70X8	BG3657E0	NOK	710254	BH2006G	NOK	320595
BD3665	CASE	450456!	BE3310E	NOK	710112	BG3657E02X0	NOK	222310	BH2006G0	NOK	320595
BD3856E	NOK	224870	BE3383E	NOK	224872	BG3774E	NOK	710193	BH2051E0	NOK	40X58X10!
BD3856E0	NOK	224820	BE3383E0	NOK	48X72X7!	BG3988E	NOK	710226	BH2077E	NOK	710109
BD3856E0	NOK	224870	BE3683E	NOK	710143	BG3988E01	NOK	710226	BH2077E0	NOK	710109
BD3945E	NOK	710108	BE3683E0	NOK	710143	BG4091E	NOK	710192	BH2078	NOK	34X54X9
BD3945E	VIC	710108	BE3938F	NOK	223535	BG4091E0	NOK	710192	BH2078E	NOK	710110
BD4007E	NOK	52X68X8	BE3938F0	NOK	223535	BG4678E	NOK	710301	BH2078E0	NOK	710110
BD4007E0	NOK	710292	BE4016E	NOK	225535	BG4678E0	NOK	710301	BH2078F0	NOK	710110
BD4020E	NOK	710108	BE4092E	NOK	710194	BGG283A	NOK	45X72X7!	BH2080G	NOK	710512
BD4020E0	NOK	710108	BE4092E0	NOK	50X68X8!	BGG283A0	NOK	45X72X12!	BH2118E	NOK	222830
BD4088E	NOK	710158	BE4160E	NOK	710132	BGG283A0	NOK	45X72X95	BH2118E0	NOK	222830
BD4198E0	NOK	2008	BE4225E	NOK	223540	BH-3937-E0	NOK	710442	BH2153E0	NOK	105X135X12
BD4198E0	NOK	32X54X10!	BE4344F	NOK	710208	BH-4373-F	NOK	710356	BH2153F	NOK	710349*
BD4221E	NOK	710183	BE4361E	NOK	710207	BH-4503-E0	NOK	710291	BH2153F0	NOK	710349*
BD4248E0	NOK	710251	BE4506E	NOK	710299	BH0253E	NOK	224066	BH2189	NOK	38X50X7!
BD4313E	NOK	710182	BE4506E0	NOK	710299	BH0253E0	NOK	224066	BH2189E	NOK	223801!
BD4320E0	NOK	710250	BE4692E	NOK	710198	BH0269E0	NOK	42X55X8!	BH2189E0	NOK	223801!
BD4326E	NOK	225775	BE5260E0	NOK	225650	BH0317E	NOK	710137	BH2190E	NOK	710111
BD4332E	NOK	710221	BEE008A0	NOK	60X75X8	BH0354E	NOK	55X75X10	BH2190E0	NOK	35X50X8!
BD4332E0	NOK	710221	BEE010A	NOK	75X110X10	BH0354E0	NOK	225545	BH2190E0	NOK	710111
BD4334E	NOK	710412	BEE010A0	NOK	75X110X12	BH0605	NOK	90X110X13	BH2254E	NOK	38X54X7!
BD4374E	NOK	710125	BEE020A0	NOK	45X60X10!	BH0605E	NOK	229005	BH2254E0	NOK	239146
BD4376E	NOK	710127	BEE102A	NOK	80X110X12	BH0605E0	NOK	229005	BH2254E0	NOK	38X54X10!
BD4376E0	NOK	55X68X8!	BEE102A0	NOK	80X110X10	BH0605E0	NOK	229006	BH2259E0	NOK	710332
BD4522E	NOK	710437	BEE131A0	NOK	55X72X8!	BH0605F	NOK	229005	BH2259F0	NOK	1121
BD4534E0	NOK	710412	BEE150A0	NOK	155X180X15	BH0605F0	NOK	229005	BH2259G	NOK	710332
BD4618E	NOK	1188	BEE166A0	NOK	35X72X10	BH0605G	NOK	229005	BH2259G0	NOK	710332
BE-2582-F0	NOK	710296	BEE216A0	NOK	55X90X13	BH0605G0	NOK	229005	BH2259G1	NOK	710332
BE0391F0	NOK	225872	BEE409A0	NOK	18X30X7!	BH0605I	NOK	229005	BH2264E	NOK	710233
BE1037E0	NOK	710090	BEE642A0	NOK	35X56X10!	BH0605I0	NOK	229006	BH2264E0	NOK	710233
BE1059E0	NOK	473215=	BF1060E	NOK	487945	BH0605J	NOK	229005	BH2304E0	NOK	710334
BE1192E	NOK	224874	BF1060E0	NOK	487945	BH1030E	NOK	2043	BH2304F0	NOK	710334
BE1192E0	NOK	224874	BF1102E	NOK	494123	BH1030E0	NOK	2043	BH2331E	NOK	710119
BE1192G	NOK	224815	BF1102E0	NOK	494123	BH1034E0	NOK	227610	BH2348E	NOK	228700
BE1192G0	NOK	224815	BF1102E0	NOK	51X63X8	BH1290E	NOK	2081	BH2348E0	NOK	228700
BE1391E0	NOK	472705!	BF1155E	NOK	710145	BH1290E1	NOK	2081	BH2354E	NOK	224663
BE1540E	NOK	239201	BF1155E0	NOK	710145	BH1430E0	NOK	223250	BH2370E	NOK	710138
BE1540E0	NOK	239201	BF1161E	NOK	3677	BH1430E0	NOK	710415	BH2503E	NOK	2655
BE1540F0	NOK	4175	BF1161E0	NOK	3677	BH1431E0	NOK	223602	BH2503E0	NOK	2655
BE1593E0	NOK	1975	BF1668E	NOK	710213	BH1438E	NOK	1021V	BH2506E	NOK	223220
BE1623E	NOK	2443	BF1773E	NOK	3667*	BH1438E0	NOK	1021V	BH2530E0	NOK	32X46X6!
BE1772E	NOK	222835	BF2291E0	NOK	710266	BH1443E	NOK	48X75X10	BH2576E0	NOK	52X70X8!
BE1772E	NOK	28X44X6!	BF2526E0	NOK	80X115X12	BH1443E0	NOK	224979	BH2576E0	NOK	710187
BE1772E0	NOK	222835	BF2595E	NOK	224235	BH1484E0	NOK	223340	BH2634E0	NOK	223831
BE2015E	NOK	224872	BF2595E0	NOK	42X58X7!	BH1485E	NOK	228410	BH2634E0	NOK	38X55X7!
BE2015E0	NOK	224872	BF2596-E0	NOK	710323	BH1485E0	NOK	228410	BH2661E	NOK	223843
BE2015E0	NOK	48X72X7!	BF2596E0	NOK	51X63X8	BH1485F	NOK	228410	BH2737E	NOK	1213N
BE2305E	NOK	35X62X7!	BF2986E	NOK	710161	BH1485F0	NOK	228410	BH2737E0	NOK	40X54X6!
BE2305E0	NOK	35X65X10!	BF3705E	NOK	710159	BH1485G	NOK	228410	BH2737F	NOK	710444
BE2305F	NOK	34X62X10	BF4717E	NOK	710300	BH1485G0	NOK	228410	BH2755E	NOK	228480
BE2350E	NOK	710118	BF4717E0	NOK	710300	BH1485I0	NOK	228410	BH2820E	NOK	710446
BE2351E0	NOK	710124	BFF282A0	NOK	51X63X8	BH1581F0	NOK	36X50X7!	BH2820E0	NOK	68X88X8!
BE2353E0	NOK	710122	BG1233	HU-WR	471224	BH1673E0	NOK	28X44X6!	BH2820E0	NOK	710446
BE2590E0	NOK	710123	BG1583E	NOK	494117	BH1742	NOK	70X92X12	BH2844E	NOK	223253
BE2605E0	NOK	710098	BG1583F0	NOK	710097	BH1742E	NOK	227045	BH2844E0	NOK	223253
BE2698E0	NOK	320564	BG2033E	NOK	1937	BH1742E0	NOK	227045	BH2845E	NOK	228250
BE2727E	NOK	225875	BG2033E0	NOK	1937	BH1742F	NOK	227045	BH2845E	NOK	710448
BE2727E0	NOK	58X75X11	BG2034E	NOK	1936	BH1818E	NOK	710318	BH2845F	NOK	228250
BE3009E	NOK	710139	BG2034E0	NOK	1936	BH1818E0	NOK	710318	BH2845F	NOK	710448
BE3021E0	NOK	710252	BG2038E	NOK	710148	BH1882F	NOK	223602	BH2845F0	NOK	228250
BE3025G	NOK	710121	BG2038E0	NOK	710148	BH1937E	NOK	710157	BH2845F0	NOK	710448
BE3025G0	NOK	710121	BG2039E0	NOK	224772	BH1937E0	NOK	27X43X8!	BH2851E	NOK	710247
BE3033E	NOK	710073	BG2039F0	NOK	224772	BH1937E0	NOK	710157	BH2851E0	NOK	710247
BE3040F	NOK	231052	BG2257	NOK	37X52X8	BH1941E0	NOK	710310	BH2972E0	NOK	42X60X7!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
BH3004E NOK		224215	BH4270F NOK		710517	BP13715E JOHND		415035	BS235 MCCOR		227235
BH3004E0 NOK		224215	BH4273E0 NOK		52X72X8!	BP13715E JOHND		415035!	BS236 MCCOR		228005
BH3004E0 NOK		42X58X7!	BH4293E NOK		710173	BP13829 JOHND		473473	BS238 MCCOR		228020
BH3007 NOK		38X53X8	BH4293F NOK		710173	BP13831 JOHND		415035!	BS239 MCCOR		228010
BH3007F NOK		1120	BH4294F NOK		224025	BP13831 JOHND		415035	BS246 MCCOR		710056
BH3007F0 NOK		1120	BH4366E NOK		710144	BP13831E JOHND		415035!	BS247 MCCOR		3772
BH3009F0 NOK		38X58X8!	BH4371E NOK		3771	BP13831E JOHND		415035	BS252 CLEVI		714750
BH3019F NOK		710421	BH4371E0 NOK		35X50X8!	BP1471E NOK		710303	BS253 MCCOR		BS40265
BH3022E NOK		710234	BH4375 NOK		95X115X13	BP1481E NOK		320603	BS255 MCCOR		BS40381
BH3022E0 NOK		710234	BH4375F0 NOK		95X115X12	BP1595E NOK		710156	BS257 CLEVI		39807
BH3037E NOK		710248	BH4392F0 NOK		229210	BP1908E0 NOK		31X44X8	BS257 CLEVI		39807+99599
BH3037E0 NOK		710248	BH4476E NOK		710060	BP2151E NOK		710155	BS258 MCCOR		BS25035
BH3040E NOK		710268	BH4503F NOK		710298	BP2175E0 NOK		18X32X8!	BS261 MCCOR		3909
BH3041E0 NOK		220X260X15	BH4503F0 NOK		710298	BP2285E NOK		24X42X8	BS261 MCCOR		BS40380
BH3146E NOK		224026	BH4505E0 NOK		710260	BP2285E0 NOK		24X42X10	BS261 MCCRL		82001
BH3146F NOK		712551	BH4513E0 NOK		224663	BP2601 AUTSP		473238!	BS263 MCCOR		228005
BH3146H NOK		710510	BH4519E0 NOK		229005	BP2715E0 NOK		115X145X15	BS267 MCCOR		BS16144
BH3152E NOK		228008	BH4545E0 NOK		228010	BP2968E0 NOK		30X47X7!	BS271 MCCOR		BS16192
BH3152E0 NOK		228008	BH4546E0 NOK		710140	BP3000E NOK		24X42X8	BS276 MCCOR		BS40387
BH3152G0 NOK		228008	BH4569E0 NOK		710238	BP3000E0 NOK		24X42X10	BS279 MCCOR		5433
BH3152H0 NOK		228008	BH4576E NOK		1180	BP3024F0 NOK		26X38X5!	BS283 MCCOR		BS40382
BH3208E NOK		710056	BH4592E0 NOK		223750	BP3379F0 NOK		22X35X7	BS286 CLEVI		39958
BH3208E0 NOK		710056	BH4638E NOK		710189	BP3754E NOK		221620	BS286 CLEVI		5624
BH3208F NOK		710056	BH4638E0 NOK		710189	BP3881E NOK		710153	BS290 MCCOR		473573
BH3208F0 NOK		710056	BH4660E0 NOK		42X72X10!	BP4706E0 NOK		27X43X8!	BS290 MCCRL		82027
BH3288F NOK		46X60X8	BH4687A0 NOK		223018	BR1153E0 NOK		16X28X7!	BS292 MCCOR		228410
BH3288F0 NOK		224660	BH4701E NOK		2012	BR1443E NOK		224979	BS293 MCCOR		415379!
BH3289E NOK		1019	BH4701E0 NOK		2012	BR1443E0 NOK		224979	BS301 MCCOR		5210
BH3289E0 NOK		1019	BH4718F0 NOK		710332	BR3149E NOK		221607	BS30136 AIWDI		82003
BH3289G NOK		1019	BH4746E NOK		229004	BR3489E NOK		221607	BS311 MCCOR		3698
BH3290E NOK		1940	BH4746E NOK		229005	BS140 CLEVI		39807	BS312 MCCOR		4307V!
BH3290E0 NOK		1940	BH4790G NOK		710526	BS140 CLEVI		39823	BS313 MCCOR		BS40396
BH3310E NOK		710112	BH5052E NOK		710364	BS148 CLEVI		415284	BS314 CLEVI		3893V
BH3310E0 NOK		50X80X8	BH5052E0 NOK		710364	BS148 MCCOR		BS14803	BS314 CLEVI		39608
BH3340E NOK		710199	BH5149F NOK		710363	BS1500 TRUST		82003	BS315 MCCOR		3698
BH3340E0 NOK		35X54X8!	BH5149F0 NOK		710363	BS1501 TRUST		82005	BS315 MCCOR		BS40110
BH3340E0 NOK		710199	BH5278EV NOK		710520	BS1505 TRUST		82011	BS315 MCCRL		82012
BH3475E0 NOK		35X47X7!	BH5279F NOK		710521	BS1507 TRUST		82001	BS317 CLEVI		39807
BH3488E NOK		224063	BHH001A0 NOK		32X47X7!	BS158 MCCRL		82017	BS317 CLEVI		39807+99599
BH3488E0 NOK		224063	BHH013-A0 NOK		228009	BS160 CLEVI		39608	BS321 MCCOR		4359V
BH3526E0 NOK		1990	BHH013-B0 NOK		228015	BS160 CLEVI		415379	BS329 MCCOR		BS40449
BH3615E0 NOK		223012	BHH013A0 NOK		80X100X10!	BS160 MCCOR		415379!	BS334 MCCOR		17720
BH3670E NOK		710114	BHH518A0 NOK		228005	BS161 MCCOR		2377	BS336 MCCOR		17746
BH3680E NOK		710115	BHH547A0 NOK		36X52X7	BS161 MCCOR		BS15868	BS337 MCCOR		17748
BH3687E0 NOK		224650	BHH550-A0 NOK		223420	BS161 MCCRL		82011	BS349 MCCOR		BS40617
BH3757E NOK		223420	BHH556A NOK		70X92X12	BS168 MCCOR		2901	BS352 MCCOR		BS40252
BH3766F NOK		710219	BHH556A0 NOK		227045	BS168 MCCRL		82003	BS354 CLEVI		39805
BH3766F0 NOK		710219	BHH687B0 NOK		30X46X7!	BS17 MCCOR		BS1280	BS359 MCCOR		BS40604
BH3845E0 NOK		43X55X8!	BHH814-A0 NOK		1038	BS174 CLEVI		5591	BS362 MCCOR		BS40578
BH3845E0 NOK		710264	BHH815-A0 NOK		222330	BS184 MCCOR		5073	BS374 MCCOR		BS40638
BH3854E0 NOK		710234	BHH816-A0 NOK		229006	BS184 MCCRL		82022	BS377 MCCOR		BS40598
BH3882E NOK		710236	BHH816-A0 NOK		90X110X13	BS185 MCCRL		82024	BS382 MCCOR		BS40615
BH3882F NOK		710236	BHH817-A0 NOK		320595	BS186 CLEVI		5460	BS383 MCCOR		BS40667
BH3966E NOK		226510	BHH819-A0 NOK		228700	BS187 MCCOR		5092	BS392 MCCOR		BS40535
BH3966E0 NOK		226510	BJ137A JN SON		481644	BS188 MCCOR		5068	BS394 MCCOR		BS40583
BH3966HV NOK		226510	BK15520 MACK		481568!	BS194 MCCOR		2902	BS397 MCCOR		BS40502
BH4031E0 NOK		320583	BK8 C-R		5690	BS194 MCCRL		82005	BS40042 AIWDI		82005
BH4031E0 NOK		473677	BL146 BR-WN		476838!	BS197 MCCOR		5092	BS40380 AIWDI		82001
BH4053E NOK		710525	BL156 BR-WN		476838!	BS202 MCCRL		82016	BS42 MCCOR		5414
BH4089E NOK		223802	BM1432A NATSU		416158	BS203 MCCOR		5650	BS42 MCCOR		BS5974
BH4089E0 NOK		223802	BM1432B NATSU		455462	BS209 MCCRL		82015	BS43 MCCOR		5596=
BH4089E0 NOK		38X50X7!	BNO7204 MASSE		450472!	BS210 MCCOR		5072	BS47 MCCOR		BS5155
BH4089F0 NOK		223802	BO2056E0 NOK		710253	BS214 MCCOR		5095	BS51 MCCOR		5479
BH4093E0 NOK		1989	BOS731 PAARS		415991!	BS216 MCCOR		3698	BS64 MCCOR		5585
BH4093F0 NOK		1989	BOS731 PAARS		415991	BS217 MCCOR		5750	BS66 MCCOR		5072
BH4127E NOK		710189	BOS774 PAARS		416706!	BS223 CLEVI		455956H	BS67 MCCOR		5072
BH4214E NOK		224840	BP-1471-E0 NOK		710303	BS223 MCCOR		BS40116	BS7 MCCOR		5419
BH4214E0 NOK		224840	BP10881 JOHND		473415	BS225 MCCOR		3698	BS72 MCCOR		5092
BH4214E0 NOK		48X68X10!	BP12606 JOHND		40183S!	BS225 MCCRL		82012	BS75 MCCOR		5095
BH4215E NOK		710188	BP1315E0 NOK		7412S	BS229 MCCOR		712006	BS76 MCCOR		5576
BH4215E0 NOK		710188	BP13166 JOHND		204038	BS23 MCCOR		5585	BS78 MCCOR		5591
BH4270E0 NOK		42X58X7!	BP13166E JOHND		204002	BS233 MCCOR		710060	BS85 MCCOR		5337

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
BS86 MCCOR		5095	C102467 SCHWI		473211!	C1AE6336A FORD		5596 =	C2AP7052A FORD		7692S
BS86 MCCOR		BS5048	C10260 CASE		471466!	C1AE6336B FORD		5390 \$	C2AP7A248A FORD		331107N
BS9 MCCOR		5585	C10274 AT SU		471821!	C1AE6700A FORD		350936	C2AP7A248A2 FORD		331107N
BT1042 HU-WR		415187	C102747 SCHWI		473211!	C1AE6700A1 FORD		350936	C2AP7A248B FORD		473459
BT1044 HU-WR		415035	C10275 AT SU		474265	C1AE6700A2 FORD		350936	C2AW4676A3 FORD		7044NA
BW2780E NOK		225874	C104814 SCHWI		450129	C1AE6700B FORD		350936	C2AZ3B592A FORD		470954
BW2929 MASSE		473463	C104814 SCHWI		472826!	C1AE6700B1 FORD		350936	C2AZ4676A FORD		7044NA
BW2948 MASSE		473463	C104815 SCHWI		473367!	C1AE6700B2 FORD		350936	C2AZ4676B FORD		7044NA
BW3681E NOK		224150	C104815 SCHWI		473367!	C1AE6700B3 FORD		350936	C2AZ6700A FORD		350936
BW3681E0 NOK		224150	C105073 SCHWI		471649!	C1AP-7052-B FORD		7300S	C2AZ7052A FORD		7692S
BW3681E1 NOK		224150	C105798 SCHWI		472185!	C1AP7052A FORD		7692S	C2AZ7A248A FORD		331107N
BW3681E2 NOK		224150	C107373 SCHWI		473367!	C1AZ6A321C FORD		5390	C2DA7288A FORD		7399S!
BW3684E NOK		710214	C107373 SCHWI		473367!	C1AZ7C098A FORD		424	C2DZ3591A FORD		240414
BW3691E NOK		710246	C107592 SCHWI		473016!	C1DD1190A FORD		7994S	C2DZ7288A FORD		7399S!
BW3691E0 NOK		710246	C108187 SCHWI		472572!	C1DR3591A3 FORD		240414	C2DZ7A011A FORD		471651
BW3692E NOK		710527	C108189 SCHWI		476838!	C1DW1177A FORD		484054	C2OE6701A FORD		5095
BW3694E NOK		710528	C108190 SCHWI		471705!	C1DW1177A1 FORD		484054	C2OP7052B FORD		7692S
BW4265E NOK		710133	C1087 OLIVE		471820	C1DW1177A2 FORD		484054	C2OR3591A FORD		240151
BX15940E JOHND		204002	C108850 SCHWI		471192	C1DZ1177A FORD		484054	C2OW1177A FORD		8168 =
BX42145 JOHND		410496!	C110460 SCHWI		472012	C1DZ1190A FORD		7994S	C2OW1177A2 FORD		8168 =
BY404493 LETN		415442!	C110849 SCHWI		473238	C1MZ7C098A FORD		424	C2OW3635 FORD		8168 =
BY404493 LETN		55442	C1110 OLIVE		415995!	C1TT1190A FORD		7780	C2OW4676B FORD		472070
BY440493 LK-BT		415442!	C111089 SCHWI		471787!	C1TT1190B FORD		416273!	C2OW4676C FORD		472070
BY440493 LK-BT		55442	C111576 SCHWI		473016!	C1TT3591D FORD		450400	C2OW4676C3 FORD		472070
BZ1106E NOK		5778	C112594 SCHWI		471689!	C1TT3591E FORD		450400	C2OZ1177A FORD		8168 =
BZ1106E0 NOK		5778	C113841 SCHWI		471224!	C1TT3591F FORD		323138!	C2OZ4676A FORD		472070
BZ3441E NOK		710107	C115 UNIT		472397!	C1TT3591G FORD		474278	C2OZ4676B FORD		472070
BZ3441E0 NOK		710107	C119 UNIT		416339	C1TT3591G FORD		6859S	C2OZ6701A FORD		5095 \$
BZ4396E NOK		710178	C119 UNIT		455031!	C1TT3591H FORD		474276!	C2SZ3591A FORD		471413!
C-0500 GRAM		50266	C12079 CASE		470390	C1TT4373A FORD		416500	C2SZ3591A FORD		7412S
C-ND1608A FAIRB		351487	C1251 LEROI		472572!	C1TT4478A FORD		417484!	C2SZ3B592A FORD		470954!
C01Q1190A FORD		416865!	C12510 LEROI		476838!	C1TT4573A FORD		416500	C2TA38007C FORD		370007A
C01Q1190B MARMO		416865!	C12511 LEROI		471224!	C1TT4676A FORD		415960	C2TA4813A FORD		417484!
C01Q19846A2 FORD		472394	C12512 LEROI		417205!	C1TT4813A FORD		471271!	C2TR3591A FORD		472560N
C04 ATP		473179	C12517 LEROI		450033	C1TT4813B FORD		415995!	C2TS38007A FORD		370007A
C0DD1190A FORD		7994S	C1252 LEROI		411394!	C1TT4813C FORD		410308!	C2TS4A052A FORD		370023A
C0DE6700A FORD		473237	C12522 LEROI		411253!	C1TZ1190A FORD		416273!	C2TZ4813A FORD		417484!
C0DE6700A3 FORD		473237	C12525 LEROI		473463	C1TZ3591A FORD		471224!	C2TZ7A011A FORD		416426H =
C0DE6701A FORD		5095	C1253 LEROI		6283S	C1TZ4676A FORD		415960	C305208 GWI		471224!
C0DP7A248A FORD		331107N	C1255 LEROI		410102	C1UP7B498A FORD		7929S	C305232 SCHWI		472354!
C0DP7A32 FORD		473214	C12747 MID-R		471413	C1UU1190A FORD		472164	C305233 SCHWI		240009
C0DR1177A3 FORD		451182	C132214 CUMMI		471763	C1UW1177 FORD		51322	C30632 VIC		35292
C0DR3591A FORD		240414	C135111 SPICE		417484!	C1UW1177A FORD		51322	C30727 VIC		35316
C0DR3591A3 FORD		240414	C13612 JOHND		473473	C1UW1177A3 FORD		51322	C30796 VIC		35315
C0DR7052A FORD		473214	C13612C JOHND		473473	C1UW4676B FORD		7457N	C30982 VIC		35292
C0DR7288A FORD		7399S!	C139854 SCHWI		471688 =	C1UW4676B1 FORD		7457N	C31061 VIC		35508
C0DR77047 FORD		480210!	C1401 CLARK		415449!	C1UZ1190A FORD		472164	C31090 VIC		35292
C0DR7A283A FORD		480210!	C1443 HOUGH		415988	C1UZ4676B FORD		7457N	C31156 VIC		35011
C0DW1177A FORD		451182	C1443 OLIVE		415988	C1UZ4676C FORD		7457N	C31156 VIC		35394
C0DW1177A3 FORD		451182	C1443A OLIVE		415960!	C1VP7052A FORD		473473	C3118 LEROI		471764!
C0DW1177A4 FORD		451182	C14872 JOHND		472213	C1VP7B498A FORD		7929S	C31197 VIC		35524
C0DW4676A FORD		7457N	C14873 JOHND		471692!	C1VV1177A FORD		482253	C31207 VIC		35162
C0DZ4676A FORD		7457N	C149 UNIT		470059	C1VV1177B FORD		482253	C31227 VIC		35486
C0LR3591E FORD		471652	C149 UNIT		470380!	C1VV1177C FORD		482253	C31262 VIC		35402
C0LR3B699A FORD		7738 * =	C150811 SCHWI		471567!	C1VV1190 FORD		472164	C3127 LEROI		474254
C0MM7048A FORD		471504	C151 IRON		411253!	C1VV1190A FORD		9150S	C31273 VIC		35001
C0MW4676A FORD		7044NA	C152006EX OLIVE		470059	C20119 VIC		25598	C31284 VIC		35361
C0NN1190B FORD		471870!	C152006EX OLIVE		470380!	C20322 VIC		35316	C31301 VIC		35402
C0NN1190C FORD		200855	C15265 JOHND		416664!	C20341 VIC		35094	C31325 VIC		35342
C0NN4115B FORD		417621!	C16322 JOHND		473237!	C2208 MASSE		50081	C31348 VIC		35555
C0NN6700A FORD		350936	C16323 JOHND		42352S	C23584EX OLIVE		473228	C31398 VIC		35261
C0NN6701A FORD		350936	C16326 JOHND		472258!	C23772 TIMKE		417538	C31421 VIC		35526
C0NN7048A FORD		471504 *	C165 MID-R		471750!	C24096 VIC		35316	C31514 VIC		422
C0NN7052A FORD		472258!	C1700 MID-R		471554!	C24173 VIC		35315	C319616 JEFF		472924!
C0NN7052A1 FORD		472258!	C17435 SCHWI		450084!	C24216 VIC		35507	C319618 JEFF		415995!
C0NNA734A FORD		412920!	C175004 JEFF		413478	C2583E JOHND		480821!	C35434301043 IH		455080
C0TT4813C FORD		417484!	C17909 US-EL		470712!	C263 UNIT		472185!	C3577 JOHND		415027
C0TT7B216A FORD		470954	C17914 US-EL		472185!	C2AA3B592A FORD		470954	C3577E JOHND		415027!
C0TZ4813A FORD		417484!	C18338 US-EL		415988	C2AE6700A FORD		350936	C3577E JOHND		415027
C0TZ7288A FORD		470954	C19540 JOHND		471854!	C2AE6700A1 FORD		350936	C3577E JOHND		415027!
C10068333 STEEL		240385	C19728 JOHND		471765!	C2AE6700A2 FORD		350936	C390212 FORD		470088
C10068334 STEEL		340853	C1AA1177A FORD		473228	C2AE6700B FORD		350936	C3939 JOHND		323138!

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
C3940E JOHND	41461S	C4UZ7052A FORD	470687	C6TZ7A283A FORD	415991	C8HZ4674A FORD	712937
C3AE6700A FORD	2942	C4VW4676B FORD	6808N	C6TZ7B215A FORD	473229	C8JJ6701A FORD	415138!
C3AE6700A1 FORD	2942	C4VY4676A FORD	6808N	C6TZ7B215D FORD	470682	C8OW4676A FORD	472070 =
C3AZ3591A FORD	472560N	C4VY4676C FORD	6808N	C6UW4676A FORD	7457N	C8T24676B FORD	413246
C3AZ2467A FORD	7044NA	C502 ITM	50402	C6VP7052A FORD	473473	C8T27048A FORD	472164!
C3AZ6700A FORD	2942	C51 UNIT	415458!	C6VW1177A FORD	482253	C8TA1173C FORD	370047A
C3AZ6700A FORD	350936	C58 UNIT	472397!	C6VY1177A FORD	482253	C8TA1173D FORD	370047A
C3AZ7052A FORD	7300S	C5AA1190A1 FORD	6815	C6VY7052A FORD	473473	C8TA1173G FORD	370023A
C3AZ7A248A FORD	473459	C5AA1190A2 FORD	6815	C70Z-3591-A FORD	472560N	C8TA1173H FORD	370023A
C3OP7A248A1 FORD	331107N	C5AR3B592B2 FORD	471538	C759 ITM	471827	C8TA1175A FORD	417353 =
C3OW1177B FORD	9569S	C5AR7A283A FORD	471652	C77115 C-P	40208	C8TA1175B FORD	417353 =
C3SZ3591A FORD	471646!	C5AR7A283A FORD	482208!	C777 ITM	471195!	C8TA1175C FORD	9584
C3TA1175F FORD	417506	C5AZ-3D526A FORD	471645	C786 ITM	470898	C8TA1175D FORD	9584
C3TA1175FA FORD	417506	C5AZ3B592B FORD	471538	C788 ITM	472492!	C8TA1175F FORD	370008A
C3TA1190A FORD	7780	C5AZ3B592C FORD	471538	C79078 C-P	472951	C8TA1175G FORD	370023A
C3TA1190B FORD	44052	C5AZ3D732A FORD	PSK-1	C79078 C-P	474252	C8TA1175H FORD	370023A
C3TA1190D FORD	6954S	C5AZ6701B FORD	2377	C7AW1177A FORD	8660S	C8TZ1175A FORD	417353 =
C3TA4478A FORD	416654	C5AZ6701B FORD	5278	C7AW1177F FORD	473228	C8TZ1175B FORD	9584
C3TA4676A FORD	417487!	C5AZ7052A FORD	7412S	C7AW1177H FORD	8660S	C8TZ1175C FORD	370008A
C3TA4676A FORD	417487	C5FR7A283A FORD	471413!	C7AW1177J FORD	473228	C8TZ1175D FORD	370023A
C3TA4813A FORD	415995!	C5NN-3C615B FORD	481163	C7AW4676A FORD	3604	C8TZ1177A FORD	473228!
C3TR7A283A FORD	472354!	C5NN-77047-A FORD	472150	C7AZ1177A FORD	8660S	C8TZ24676A FORD	416654
C3TS38007C FORD	370001A	C5NN-77086-A FORD	712144	C7AZ4676A FORD	3604	C8TZ4676B FORD	413246
C3TS38007C FORD	380001A	C5NN-7N097-A FORD	342805	C7AZ7B498A FORD	7929S	C8TZ7048A FORD	472164!
C3TS38007D FORD	370001A	C5NN6700A FORD	413246	C7DW1177A FORD	9161	C8TZ7918A FORD	415991
C3TS38007D FORD	380001A	C5NNA734A FORD	472018	C7DW1177B FORD	9161	C8TZ7918A FORD	415991!
C3TS38007E FORD	370007A	C5NNP709B FORD	473234!	C7NN7048B FORD	473454	C8UW1177A FORD	9568
C3TS4A052E FORD	370036A	C5TA1175A FORD	410987!	C7OR3591A3 FORD	472560N	C900 ITM	474274
C3TZ1190A FORD	7780	C5TA1190A FORD	370179A	C7OW1177E FORD	9569S	C90Z6701A FORD	5095
C3TZ1190C FORD	417134	C5TA1190A FORD	4148	C7OW1177F FORD	9363S	C920713 KOEH	471498
C3TZ3591A FORD	340413	C5TA1190A FORD	471424!	C7OW1177G FORD	9569S	C920732 KOEH	471760
C3TZ4478A FORD	416654	C5TA1190C FORD	4148	C7OW1177L FORD	9569S	C9526 WHITE	415023
C3TZ4478B FORD	417487!	C5TA1190C FORD	471424!	C7OZ1177A FORD	9363S	C9AE6701B FORD	5116
C3TZ4478B FORD	417487	C5TA1190D FORD	370179A!	C7OZ1177B FORD	9569S	C9AR7A283A FORD	471652
C3TZ4676A FORD	417487!	C5TA1190D FORD	9339S	C7OZ3591A FORD	472560N	C9AR7A283A FORD	482208!
C3TZ4676A FORD	417487	C5TS38007D FORD	370007A	C7TA1190B1 FORD	44053	C9AR7A283AA FORD	3638
C3TZ4676B FORD	416282	C5TZ1190A FORD	4148	C7TA1190B2 FORD	44053	C9AZ-7A283A FORD	3638
C3TZ4813A FORD	415995!	C5TZ1190A FORD	471424!	C7TA1190D2 FORD	4148	C9AZ1177A FORD	473228
C3TZ7A248B FORD	472354!	C5TZ1190D FORD	370179A!	C7TA1190D2 FORD	471424!	C9AZ6701A FORD	5118
C3TZ7A283B FORD	472354!	C5TZ1190D FORD	9339S	C7TS38007A FORD	370001A	C9AZ6701B FORD	5116
C3UA1190A FORD	472164	C5TZ7052A FORD	7412S	C7TS38007A FORD	380001A	C9DZ1177A FORD	9161
C3UW4676A FORD	7457N	C5TZ7052B FORD	470380!	C7TW1177A FORD	473228	C9HA1175A FORD	370019A
C3VA4676A FORD	6808N	C5ZA1190A FORD	6815	C7TZ1175A FORD	9864S	C9HA1175B FORD	370019A
C4008 JOHND	474278	C5ZZ1190A FORD	6815	C7TZ1190B FORD	44053	C9HA1175C FORD	370021A
C4110334 BRWNG	455592	C610 ITM	472164!	C7TZ1190C FORD	6954S	C9HA1175D FORD	370021A
C4123 GRAY	472439	C61070 C-P	470774!	C7TZ1190D FORD	4148	C9HA1190A FORD	370054A
C43147 PETTI	472636!	C617 ITM	470898	C7TZ1190D FORD	471424!	C9HA1190B FORD	370057A
C45407 VIC	35094	C63382 C-P	451583!	C7TZ7A283A FORD	456744N	C9HS1131A FORD	HU036A
C45551 VIC	35327	C649 ITM	472492!	C7TZ7A283B FORD	415995!	C9HS1131B FORD	HU110A
C459 UNIT	415082	C69 STANT	25598	C7UW1177D FORD	9568	C9HS1131C FORD	HU110A
C460 ITM	472164!	C693A OLIVE	413469!	C7UW1177E FORD	51322	C9HZ1175A FORD	370019A
C463 ITM	471192	C6AE6B314A FORD	JV1368 =	C7UW1177G FORD	9568	C9HZ1175B FORD	370021A
C4FR7A283A FORD	7412S	C6AW4676A FORD	7044NA	C7VW1177A FORD	482253	C9HZ1190A FORD	2674
C4OZ1177A FORD	9569S	C6AZ1190A FORD	9150S	C86639 C-P	240151	C9HZ1190A FORD	370054A
C4TA1190A FORD	7866S	C6DW1177D FORD	9161	C86640 C-P	473211!	C9HZ1190B FORD	370057A
C4TA4676A FORD	415458	C6DZ1177A FORD	9161	C86643 C-P	6597S	C9NN4N109A FORD	415449
C4TA4676B FORD	415458 =	C6OW4676 FORD	472070	C87265 C-P	470954!	C9NN7N838A FORD	415458
C4TA7048A FORD	482163!	C6TZ1175B FORD	412119!	C87466 C-P	240733	C9NN7N839A FORD	473227 =
C4TE6700A FORD	413246	C6TZ1181A FORD	472747	C87467 C-P	240716	C9OZ6701A FORD	5095
C4TE6700A1 FORD	413246	C6TZ1190A FORD	472394	C8878143 BENDI	471785!	C9TA1175A FORD	4250
C4TR7052A1 FORD	410059	C6TZ3171A FORD	204005	C8AW4676A FORD	7044NA	C9TA1175B FORD	4250
C4TR7052A1 FORD	470380!	C6TZ3254A FORD	471766	C8AZ1190A FORD	6815	C9TA1175B1 FORD	4250
C4TS38007B FORD	370001A	C6TZ3254B FORD	472258!	C8HA1173A FORD	370019A	C9TA1175B2 FORD	4250
C4TS38007B FORD	380001A	C6TZ3254C FORD	5131	C8HA1173B FORD	370019A	C9TA1175B3 FORD	4250
C4TZ-7051A FORD	482163!	C6TZ3254D FORD	471766!	C8HA1173C FORD	370021A	C9TA1175C2 FORD	9864S
C4TZ1190A FORD	7866S	C6TZ4676A FORD	5778	C8HA1173D FORD	370021A	C9TA1175E FORD	417353 =
C4TZ4676A FORD	415458	C6TZ4676B FORD	6808N	C8HA1175A FORD	370019A	C9TA1175F FORD	417353 =
C4TZ6700A FORD	413246	C6TZ7052A FORD	410059	C8HA1175B FORD	370019A	C9TA1175G FORD	9584
C4TZ7048A FORD	482163!	C6TZ7052A FORD	470380!	C8HA1175C FORD	370021A	C9TA1175H FORD	9584
C4TZ7052A FORD	410059	C6TZ7052B FORD	410059	C8HA1175D FORD	370021A	C9TA1175K FORD	370008A
C4TZ7052A FORD	470380!	C6TZ7288C FORD	471466!	C8HZ1175A FORD	370019A	C9TA1175L FORD	5076
C4UP7052A FORD	470687	C6TZ7918A FORD	415983N!	C8HZ1175B FORD	370021A		370023A

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
C9TA1175M FORD		370023A	CB78 FITZ		5092	CP6072K FAIRB		416229	D0TZ1175C FORD		370008A
C9TA1175M FORD		5667\$	CB8012013 FORSH		80X120X13	CP6072L FAIRB		415551	D0TZ1175C FORD		5076
C9TA1175R FORD		417506	CB8210512 FORSH		82X105X12	CP6072M FAIRB		417362!	D0TZ1175D FORD		370023A
C9TAC1175A1 FORD		416273	CB8511513 FORSH		85X115X13	CP6072R FAIRB		417603!	D0TZ1175D FORD		5667
C9TZ1175A FORD		4250	CB8811012 FORSH		88X110X12	CP6072W FAIRB		416239!	D0TZ1175E FORD		417506
C9TZ1175B FORD		9864S	CB9212013 FORSH		92X120X13	CP6072X FAIRB		415482	D0TZ1175E FORD		5089\$
C9TZ1175B1 FORD		4250	CB9227 FORSH		9X22X7	CP6072Y FAIRB		417020	D0TZ1177A FORD		710067
C9TZ1175C FORD		4250	CB9511512 FORSH		95X115X12	CP6147A FAIRB		415991	D0TZ1190A FORD		2222
C9TZ1190A FORD		416273!	CB9512512 FORSH		95X125X12	CP6147A FAIRB		455146!	D0TZ4676A FORD		9316
C9TZ4676A FORD		9773	CB9812013 FORSH		98X120X13	CP6147B FAIRB		416865!	D0TZ7A011A FORD		471271!
C9TZ7052A FORD		474276	CBS1 FITZ		5419	CP6147C FAIRB		416107!	D0UW4676A FORD		7044NA
C9TZ7052B FORD		100495	CBS18 FITZ		5585	CP6147C FAIRB		455073	D10026 JOHND		203006!
C9TZ7052B FORD		417349	CBS43 FITZ		5596=	CP6228A FAIRB		416364!	D102210 GAL		416556!
C9UZ1177A FORD		9568	CBS44 FITZ		5414	CP813 DEMPC		411253!	D102210 GAL		472157
C9VY1177A FORD		482253	CBS56 FITZ		5479	CP814 DEMPC		415458!	D102245 GAL		J1130
C9ZZ6701A FORD		5108	CC11553 DIA		412119!	CR1501 GOODM		471224!	D10297 THEW		415150!
CA1056 CLARK		471795	CC14018018 FORSH		140X180X18	CR15024 GOODM		471567!	D10312 THEW		415150!
CA1057 CLARK		473228	CC149 FMC		417562	CR17 FMC		416149	D1056 JOHND		450089
CA1129 CLARK		55155=	CC1553 DIA		417344!	CR17 LK-BT		416149	D105762 GAL		476470
CA1130 CLARK		471472!	CC19023013 FORSH		190X230X13	CR1871 GOODM		471733	D106339 GAL		412861
CA1131 CLARK		471466!	CC20Z4676B FORD		472070	CR225112 GOODM		473214	D106344 GAL		471267!
CA1239 HARRI		417349	CC21512 WHITE		408	CR5754 GOODM		415041	D10738 GMC		473230!
CA1243 HARRI		417563	CC2AZ4676B FORD		7044NA	CR9815 FULLE		240731	D107485 GAL		416137
CA1245 HARRI		412119!	CC61957 C-W		471554!	CS7010 CLARK		710500	D10779 GAL		416339
CA1311 HARRI		473231	CC649013 FORSH		64X90X13	CSK792 SCHWI		471271=	D10779 GAL		455031!
CA1319 HARRI		455019!	CC7AZ4676A FORD		3604	CTCAA1175A FORD		415960!	D109853 GAL		471272!
CA1471 HARRI		471267!	CDTZ7052A FORD		410059	CTL-3A5038 MARMO		412119!	D10W1177A FORD		9569S
CA1545 HARRI		471466!	CDTZ7052A FORD		470380!	CTL-65037 MARMO		415371	D1076 GAL		470380!
CA1546 HARRI		471835!	CE5311 DURA		472705!	CTL-65038 MARMO		416921!	D111 ROCKW		416921!
CA20009 C-R		471267!	CE7009 CLARK		710425	CTL-65080 MARMO		473444	D111020 GAL		417547
CAL1982 LEYLD		370003A	CE7011 CLARK		710562	CTL5-4TA1761 MARMO		416654	D112926 GAL		415072
CATE6700A5 FORD		413246	CE7013 CLARK		710650	CX11471E JOHND		450523	D113732 GAL		415371
CB1001159 FORSH		100X115X9	CE7016 CLARK		710800	CX3183E JOHND		450765!	D114247 GAL		417555!
CB10014013 FORSH		100X140X13	CE7019 CLARK		710925	D00E6701A FORD		5117	D11467 GAL		471255!
CB10213013 FORSH		102X130X13	CE7021 CLARK		711000	D00W4676B FORD		472070	D1150220 SPICE		471795
CB10247 FORSH		10X24X7	CE7024 CLARK		711200	D00Z6701A FORD		5117	D1151300 SPICE		472015!
CB12815015 FORSH		128X150X15	CE851733 CLARK		471689!	D0A1190 FORD		40438S	D1151300 VIC		472015!
CB13516012 FORSH		135X160X12	CEx11781 GMC		411253!	D0AE6700A FORD		350936	D11519141 SPICE		472164!
CB14307 FORSH		14X30X7	CEx2875 GMC		410059	D0AE6700A2 FORD		350936	D1153449 SPICE		471766!
CB14518012 FORSH		145X180X12	CEx2875 GMC		470380!	D0AE6700A2A FORD		350936	D1153449 VIC		473237!
CB14817015 FORSH		148X170X15	CFS116 PETTI		415317	D0AW4676C FORD		3604	D1159141 SPICE		472164!
CB16018510 FORSH		160X185X10	CG195 LK-BT		55333=	D0AW4676D FORD		7044NA	D121199 GAL		416888!
CB16327 FORSH		16X32X7	CL251 CLARK		472179	D0AZ6700A FORD		350936	D122092 GAL		473204=
CB18521013 FORSH		185X210X13	CLHX3AO MARMO		416888!	D0AZ7A283A FORD		472354!	D12W1177A FORD		2669
CB194010 FORSH		19X40X10	CM19 FMC		352541	D0HA1175E FORD		370021A	D12W1177B FORD		2669
CB21024015 FORSH		210X240X15	CM19 LK-BT		352541	D0HA1175F FORD		417506	D130214 GAL		417262!
CB21025015 FORSH		210X250X15	CO24 ATP		3227	D0HA1190L FORD		370008A	D1406 THEW		472157!
CB22377 FORSH		22X37X7	CO3 ATP		472015!	D0HM1190A FORD		370054A	D1406 THEW		472157
CB2237X7 FORSH		22X37X8	CO4 ATP		473179	D0HZ1175A FORD		370046A	D14090 GAL		417269!
CB22457 FORSH		22X45X7	CP12112 PERSN		204035	D0HZ1175B FORD		370047A	D14134 GAL		417356!
CB24377 FORSH		24X37X8	CP1211B PERSN		204035	D0HZ1175C FORD		417506	D14134 GAL		455188
CB24378 FORSH		24X37X8	CP1556 PERSN		474272!	D0HZ1175D FORD		370023A	D14190 GAL		415938
CB274210 FORSH		27X42X10	CP2113 DEMPC		476838!	D0HZ1175E FORD		370019A	D1443 OLIVE		416339
CB325510 FORSH		32X55X10	CP2213 DEMPC		473215!	D0HZ1175F FORD		370021A	D1443 OLIVE		455031!
CB34528 FORSH		34X52X8	CP2214 DEMPC		470059	D0HZ1190A FORD		370054A	D154 MINNM		415196!
CB346210 FORSH		34X62X10!	CP2214 DEMPC		470380!	D0HZ1190B FORD		370001A	D155343 GAL		JV1124=
CB355810 FORSH		35X58X10	CP2413 DEMPC		471820	D0HZ1190B FORD		380001A	D15575 MALL		471224!
CB36477 FORSH		36X47X7	CP2414 DEMPC		473367!	D0HZ1190C FORD		370057A	D15576 MALL		340413
CB36527 FORSH		36X52X7	CP2414 DEMPC		473367	D0HZ1190D FORD		370008A	D18438 GAL		415072
CB365812 FORSH		36X58X12	CP2613 DEMPC		470088	D0HZ1190E FORD		370048A	D19974 GAL		455963H=
CB36627 FORSH		36X62X7!	CP2614 DEMPC		473464!	D0HZ1190E FORD		380048A	D1AP7052AA FORD		2465*
CB37528 FORSH		37X52X8	CP2614 DEMPC		473464	D0HZ1190F FORD		370048A	D1AP7052BA FORD		7692S
CB406812 FORSH		40X68X12	CP6072A FAIRB		417533	D0HZ1190F FORD		380048A	D1AR3B592A3A FORD		471538
CB45587 FORSH		45X58X7!	CP6072B FAIRB		416107!	DORY1190A FORD		1192	D1AR7052A1A FORD		410059
CB528010 FORSH		52X80X10	CP6072B FAIRB		455073	DORY4676A FORD		2642	D1AR7052A1A FORD		470380!
CB536810 FORSH		53X68X10	CP6072C FAIRB		415150!	DORY7052D FORD		2551	D1AR7052AA FORD		7692S
CB56808 FORSH		56X80X8	CP6072D FAIRB		472157!	DORY7052E FORD		1193	D1AR7052B1A FORD		9832=
CB6167 FORSH		6X16X7	CP6072D FAIRB		472157	D0TA1190A FORD		2222	D1AW1177C FORD		473228
CB638510 FORSH		63X85X10	CP6072E FAIRB		416892!	D0TP7048A FORD		471271!	D1AW1177D FORD		8660S
CB7510513 FORSH		75X105X13	CP6072H FAIRB		415379	D0TZ1175A FORD		370046A	D1AW1177E FORD		8660S
CB7511012 FORSH		75X110X12	CP6072H FAIRB		415379	D0TZ1175A FORD		5100	D1AZ1177A FORD		8660S
CB759010 FORSH		75X90X10	CP6072J FAIRB		455191	D0TZ1175B FORD		5649	D1AZ1177B FORD		8660S

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
D1AZ7052A FORD	7692S	D2RY6701A FORD	473573	D3TZ7B215B FORD	410308!	D5AZ7B498A FORD	7929S
D1DW1177A FORD	9161	D2RY7052A FORD	2551	D40869 GAL	415991	D5DT7052A3A FORD	2655
D1FZ1177A FORD	2669	D2TA4813A FORD	471271	D40869 GAL	455146!	D5DW1187A FORD	3794
D1FZ1177B FORD	2669	D2TA4813A1A FORD	471271!	D41447 CASE	415995!	D5DZ1177A FORD	3794
D1FZ6700A FORD	2012V	D2TA4813BA FORD	417484	D41543 GAL	473232	D5FZ7052A FORD	2443
D1FZ6700B FORD	3394	D2TZ1175A FORD	415960	D42213 GAL	417316!	D5HZ1175A FORD	370003A
D1FZ6701A FORD	473573	D2TZ4813A FORD	471271!	D42E6700A2A FORD	2955	D5HZ1190A FORD	370132A
D1FZ6K777A FORD	414	D2TZ4813B FORD	417484!	D42E6700A3A FORD	2955	D5HZ1190B FORD	370001A
D1FZ7052A FORD	2443	D2TZ6701A FORD	228020	D42E6700AA FORD	2955	D5HZ1190B FORD	6638S
D1FZ7A011A FORD	2503	D2TZ7B215B FORD	472635	D42E6701AA FORD	5108	D5HZ1190C FORD	370048A
D1FZ7A011A FORD	2503N	D2TZ7B215C FORD	470682	D42R7052A FORD	473215	D5HZ1190C FORD	380048A
D1FZ8590A FORD	35127	D2UP7052AA FORD	410059	D42R7052AA FORD	473215	D5HZ1190E FORD	370132A
D1HA1190BA FORD	370057A	D2UP7052AA FORD	470380!	D42R7288AA FORD	313156	D5HZ7B215A FORD	474276!
D1HA1190DA FORD	370057A	D2UP7052AB FORD	410059	D42W1177A FORD	3199	D5HZ8K606A FORD	471195!
D1HZ1190A FORD	370001A	D2UP7052AB FORD	470380!	D440 ITM	472397!	D5MW1177A FORD	3186
D1HZ1190B FORD	370057A	D2UZ7052AA FORD	410059	D45718 GAL	471744!	D5MY1177A FORD	3186
D1RY7052A FORD	33X50X12!	D2UZ7052AA FORD	470380!	D465 THEW	455462	D5NN-4115B FORD	415449
D1TA1190AA FORD	6954S	D2VY3B592A FORD	7013S	D46867 GAL	45013S	D5NN6700A FORD	413246
D1TW1177A FORD	9568	D2X133A CATER	471271!	D4721 KOEH	416125!	D5NN7288A FORD	471231!
D1TZ1190B FORD	416332!	D3049P CASE	472179	D47371 CASE	416865!	D5TZ1190D FORD	370048A
D1TZ3254A FORD	472636!	D31132 GAL	417344!	D4855 THEW	415449!	D5TZ1190D FORD	380048A
D1TZ4676B FORD	410686N	D31224 GAL	472636!	D48672 THEW	415379!	D5TZ4676A FORD	415234
D1TZ7B215A FORD	415483!	D32108 CASE	472636	D48672 THEW	415379	D5UA1175AA FORD	4250
D1TZ7B215B FORD	473467	D32109 CASE	415104N=	D49214 GAL	200642	D5UA1175BA FORD	9864S
D1TZ7B215C FORD	470898	D33543 GAL	415007	D49930 CASE	453309=	D5UA1190AA FORD	493637
D1TZ7B215D FORD	471341!	D3556 COOK	55522=	D4AW1177A FORD	3195	D5UP7052AA FORD	410059
D1UZ4676A FORD	7044NA	D35824 GAL	471442!	D4AW4676B FORD	7044NA	D5UP7052AA FORD	470380!
D1WG7048AA FORD	2503	D3665 CASE	450456!	D4AZ1177A FORD	3195	D5UZ1175A FORD	4250
D1WG7048AA FORD	2503N	D3666P CASE	473215!	D4AZ4676A FORD	7044NA	D5UZ1175B FORD	9864S
D1ZW1177A FORD	9363S	D37024 CASE	415991!	D4DT7052B3A FORD	2655	D5UZ1190A FORD	493637
D200 MINNM	472439	D37024 CASE	415991	D4FZ1177A FORD	3214	D5UZ7A011A FORD	410308!
D2081 THEW	415991	D37Z7052A FORD	710051	D4FZ1177B FORD	3199	D5ZZ7052A FORD	2655
D2081 THEW	455146!	D37Z7052B FORD	710051	D4FZ6700A FORD	2955	D5ZZ7052C FORD	2655
D2155BJ SPG	2155	D37Z7A248A FORD	2025	D4FZ6701A FORD	5108	D600500207 CONTI	50199S!
D22209 GAL	415001!	D37Z7A248A FORD	42X60X7!	D4PZ8590A FORD	35127	D600500207 CONTI	6863S!
D2244 GRAY	471554!	D3812 THEW	415995!	D4T27B215B FORD	473204	D600K-232 CONTI	5M403
D24226 GAL	416654!	D3813 THEW	473214	D4TZ4676B FORD	712625	D600M-241 CONTI	471649!
D2534 THEW	472157	D397 ITM	473235!	D4TZ6700A FORD	413246	D600S207 CONTI	50199S!
D2534 THEW	472157!	D3HA1175BA FORD	370019A	D4TZ7B215A FORD	471870!	D600S207 CONTI	6863S!
D2656 JA-HE	350942	D3HA1175CA FORD	370020A	D4TZ7B215C FORD	472179	D600S207 MASSE	50199S!
D26703 GMC	410059	D3HA1175CA FORD	415351!	D4TZ7B215D FORD	710005	D600S207 MASSE	6863S!
D26703 GMC	470380!	D3HA1190A1A FORD	370001A	D4TZB215C FORD	472179	D60319 KOEH	416273!
D271177B FORD	1994	D3HA1190A1A FORD	6638S	D4ZW1177A FORD	3214	D60319 THEW	416273!
D271177B FORD	48X70X9!	D3HA1190A2A FORD	6638S	D4ZZ7052A FORD	473215	D61118 GAL	40410S
D27670 GAL	417344!	D3HS1175AA FORD	370023A	D4ZZ7052B FORD	2655	D61686 GAL	474278
D27Z1177A FORD	473823	D3HS1175BA FORD	370019A	D4ZZ7288A FORD	313156	D61686 GAL	6859S
D27Z1177B FORD	1994	D3HS1175CA FORD	370019A	D4ZZ7A248A FORD	2658	D61687 GAL	411394!
D27Z1177B FORD	48X70X9!	D3HS1190AA FORD	370001A	D51035 THEW	450335	D61688 GAL	471649!
D27Z1190A FORD	1992	D3HS1190AA FORD	380001A	D51051 GAL	480630!	D62105 THEW	455336
D27Z4676A FORD	712011	D3HZ1175A FORD	370003A	D51163 GAL	471424!	D62214 THEW	416654!
D27Z6698A FORD	411	D3HZ7052A FORD	415379	D51517 CASE	470530	D62238 THEW	471270!
D27Z6700A FORD	1994	D3RY4676A FORD	2642	D51518 CASE	472636=	D62776 KOEH	455079!
D27Z6700A FORD	710313	D3TA1175BA FORD	370046A	D52761 GAL	418028!	D62776 THEW	455079!
D27Z6701A FORD	228020	D3TA1175BA FORD	5100	D5294 COC	204002	D63359 THEW	455144
D27Z7052A FORD	1990	D3TA1175CA FORD	370047A	D53767 CASE	412920!	D63377 CASE	470954 *=
D28802 GAL	411245!	D3TA1175CA FORD	5649S	D53767 JOHND	412920!	D636 JOHND	5M356
D2883 ALLCH	470590	D3TA1175FA FORD	5089	D53775 CASE	471766!	D636R JOHND	5M356
D2914 ALLCH	412473!	D3TA1175GA FORD	370023A	D53835 CASE	476470	D64053 GAL	417605
D29195 CASE	417487	D3TA1175J1A FORD	4250	D550 THEW	417316!	D64345 GAL	416327
D29862 CASE	341022	D3TA1175JA FORD	4250	D55436 CASE	415263	D66074 GAL	471570!
D29862 CLARK	341022	D3TA1175K2A FORD	9864S	D578 NORDG	471766!	D66158 GAL	471570!
D2AP7052AA FORD	7300S	D3TA1190AA FORD	4148	D5AP7052AA FORD	7692S	D67195 GAL	415138!
D2AW4676A FORD	3604	D3TA1190AB FORD	4148	D5AP7052BA FORD	7300S	D67995 GAL	455053N=
D2FZ1177A FORD	1994	D3TA1190B1A FORD	370132A	D5AW1177A FORD	8660S	D68120 GAL	331356=
D2FZ1177A FORD	48X70X9!	D3TA1190B2A FORD	370132A	D5AW1177BA FORD	3195	D68122 GAL	415995!
D2FZ7052A FORD	1990	D3TZ-7B215A FORD	410308!	D5AW1177BA FORD	3186	D68648 GAL	413246
D2HA4813A2A FORD	415995!	D3TZ-7B215A FORD	473468	D5AW3D526A1A FORD	471645!	D68649 GAL	472394
D2HA4813AA FORD	415995!	D3TZ1175A FORD	4250	D5AW3D526A1A FORD	471645	D69187 GAL	415138!
D2HA4813BA FORD	415088	D3TZ1175B FORD	416273!	D5AZ-3D526A FORD	471645	D6AP7052AA FORD	2194
D2HA4813BA FORD	415088!	D3TZ1190A FORD	4148	D5AZ1177A FORD	8660S	D6AP7052BA FORD	7692S
D2HZ3591A FORD	340413	D3TZ7048A FORD	482163!	D5AZ7052A FORD	7300S	D6AZ-3D526A FORD	471645
D2HZ3591D FORD	323138!	D3TZ7288A FORD	470954!	D5AZ7052B FORD	7692S	D6EW4676A1A FORD	472070

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

D6FZ4676A – DR340

Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
D6FZ4676A FORD	472070	D8TZ-1175A FORD	710045	DE2630 ALLCH	472924!	DR180 SPG	110X140X13!
D6HZ7A283A FORD	473010	D8TZ-3332-A FORD	710385	DE2631 ALLCH	470059	DR180 SPG	231108
D6HZ7B215A FORD	452742	D8TZ1175B FORD	415960	DE2631 ALLCH	470380!	DR1815 SPG	12X22X7!
D6NN7N838A FORD	415458	D8TZ1175C FORD	710044	DE30186 ALLCH	473228	DR1872 SPG	45X60X7
D6TA1175B2A FORD	3385	D8TZ3254A FORD	470682	DE31142 ALLCH	476838!	DR1956 SPG	70X90X10!
D6TZ1175A FORD	722109	D8TZ3254B FORD	2300	DE31846 ALLCH	470059	DR1969 SPG	223535
D6TZ1175B FORD	722108	D8TZ7B215B FORD	473457!	DE31846 ALLCH	470380!	DR1969 SPG	35X52X8!
D6TZ1175C FORD	722108	D8UZ-7A283A FORD	3638	DE31983 ALLCH	417484!	DR1990 SPG	25X52X7!
D6TZ4676A FORD	455080	D8UZ7A283B FORD	3638	DE40655 ALLCH	471570!	DR2122 SPG	40X58X10!
D6TZ4676B FORD	9316	D92708 GAL	417361	DE4084 ALLCH	471570!	DR2124 SPG	62X90X10
D6TZ4676C FORD	9316	D93056 GAL	472016	DE41209 ALLCH	417621!	DR2132 SPG	221925
D6TZ7B215B FORD	710005	D95144 CASE	710026	DE41925 ALLCH	240385	DR2136 SPG	38X56X10
D6TZ7B215C FORD	473457!	D9668 GAL	412119!	DE44663 ALLCH	473448	DR2138 SPG	20X32X7
D6UA1175A FORD	3385	D979 MINNM	417191	DE45207 ALLCH	417344!	DR2199 SPG	224520
D6UZ1175A FORD	3385	D979 MINNM	455165!	DE46231 ALLCH	415938	DR2199 SPG	45X60X10!
D6VA1175AA FORD	3385	D9AC3B592AA FORD	471538	DE46686 ALLCH	450639	DR2493 SPG	114X140X13
D6ZR7052AA FORD	7692S	D9AC3B592AB FORD	471538	DE50319 ALLCH	472394	DR2496 SPG	70X95X13
D6ZZ7052A FORD	7692S	D9AW4676AA FORD	3604	DE51142 ALLCH	476838!	DR2525 SPG	25X50X10
D70775 GAL	472924!	D9AZ3B592A FORD	471538	DE51188 ALLCH	471341!	DR2551 SPG	40X56X10!
D70776 GAL	47252	D9AZ4676A FORD	3604	DE51737 ALLCH	471820	DR2551 SPG	712551
D70792 GAL	470898	D9AZ467AA FORD	3604	DE5534 ALLCH	471554!	DR2590 SPG	25X45X8
D71206 GAL	472164!	D9BW4676A2A FORD	472070	DE55645 ALLCH	472394	DR2591 SPG	222745
D71207 GAL	413248	D9BW4676AA FORD	472070	DE55646 ALLCH	471271!	DR2591 SPG	27X45X8!
D71402 GAL	415995!	D9BZ-7052A FORD	7692S	DE55648 ALLCH	471271!	DR2597 SPG	10X19X7!
D71417 GAL	413248	D9BZ1177A FORD	3214	DE56591 ALLCH	240119	DR2597 SPG	221040
D7217 WHITE	471539!	D9BZ1177B FORD	3214	DE5798 ALLCH	415023	DR2607 SPG	45X80X10
D72594 GAL	456967V!	D9BZ4676A FORD	472070	DE60255 ALLCH	473419	DR261136 SHOV	240435
D72836 GAL	416229	D9HZ6700A FORD	710210	DE60256 ALLCH	474264	DR2613 SPG	1015N
D72837 GAL	471271!	D9NN-7048-BA FORD	472150	DE62642 ALLCH	455583N!	DR2613 SPG	18X28X6!
D73740 CASE	415991	D9TZ7052A FORD	473442!	DE64411 ALLCH	471539!	DR2622 SPG	20X35X7!
D73740 CASE	415991!	D9TZ7B215A FORD	3173	DE67238 ALLCH	470596	DR2649 SPG	30X55X10
D74734 GAL	415449!	D9TZ7B215A FORD	710928	DE67592 ALLCH	472397!	DR2656 SPG	15X30X7
D74745 GAL	417480!	DA320 EMSCO	415991	DE68324 ALLCH	413246	DR2663 SPG	70X85X8
D75082 KOEH	416167!	DA320 EMSCO	455146!	DE69324 ALLCH	413246	DR2665 SPG	224820
D75464 GAL	415483	DA3724 JA-HE	471646!	DE70359 ALLCH	417354!	DR2665 SPG	48X62X8!
D76003 GAL	473473	DAX10680 GMC	416888	DE70419 ALLCH	471763	DR2720 SPG	160X200X12
D76745 KOEH	416888=	DAX2769 GMC	470380!	DE7359 ALLCH	417354!	DR2748 SPG	150X180X12
D768-011 FORSH	710413	DAX6717 GMC	472258!	DF1600 LETN	416239!	DR2843 SPG	224570
D77768 GAL	472492!	DB114 EMSCO	450133	DF699 LETN	415138!	DR2874 SPG	65X85X10
D79884 GAL	471689!	DC2173 LETN	473462	DGP13594 FAIRB	470712!	DR2886 SPG	24X35X7
D79998 GAL	473449	DC2174 LETN	471766!	DGP13954 FAIRB	472144!	DR2892 SPG	229006
D7AR7A283AA FORD	3638	DC38 EMSCO	417205!	DGP14124 FAIRB	416271!	DR2892 SPG	229010
D7AZ-3E502A FORD	471645	DC3959 LETN	416666	DHT-55065 MARMO	415984!	DR2901 SPG	222860
D7HA1175A1A FORD	370003A	DC4823 LETN	472179	DHT-55066 MARMO	417485	DR3011 SPG	35X62X10
D7HS1190CA FORD	370132A	DC4988 LETN	411245!	DHT55020 MARMO	415371	DR3022 SPG	140X160X12
D7HZ1175A FORD	370003A	DC57 EMSCO	412040	DHT55021 MARMO	417621!	DR3027 SPG	35X45X7
D7HZ1175D FORD	370003A	DC7147 LETN	472636!	DK2781 F-R-H	417516	DR3066 SPG	40X55X6
D7HZ1175E FORD	370121A	DC7148 LETN	415187	DM14 LK-BT	455019!	DR3090 SPG	1012
D7HZ4676A FORD	415082	DC7149 LETN	472397!	DMX4200 ALLCH	340413	DR3090 SPG	1012N
D7HZ4676B FORD	3591	DC8061 LETN	416654!	DO10071 GMC	450068	DR3090 SPG	45X62X8!
D7HZ7B215A FORD	417316!	DC8157 LETN	412725	DO10778 GAL	455024	DR3112 SPG	65X90X13
D7RZ6701A FORD	473573	DD126 OLIVE	471341!	DO20 ATP	7751H	DR3190 SPG	8316
D7TT7048CA FORD	3388	DD16 FUNK	472185!	DO23 ATP	472164	DR3209 SPG	224850
D82559 GAL	416664!	DD16B16 FUNK	473229	DO7 ATP	470774!	DR3209 SPG	48X72X7!
D87224 CASE	456967V!*	DD2037 LETN	416288!	DP1648 ADAMS	415995!	DR3210 SPG	25X36X7
D8AZ-3B592-A FORD	471538	DD3293 LETN	417205!	DP1648 LETN	415995!	DR327 SPG	125X150X12!
D8BW1177AA FORD	8660S	DD75269 FABCO	410825	DP1648 WABCO	415995!	DR327 SPG	231250
D8BW4676AA FORD	3604	DD80 EMSCO	415302	DR-1086 SPG	221122	DR3287 SPG	85X105X13
D8BZ1177A FORD	8660S	DD8042 LETN	455020	DR0004 SPG	224025	DR3309 SPG	25X36X8
D8BZ4676A FORD	3604	DDN-3539 FORD	223510	DR0009 SPG	226480	DR3310 SPG	223610
D8BZ4676AA FORD	3604	DE10030 ALLCH	450593!	DR0945 SPG	222510	DR3310 SPG	36X54X7.5
D8HZ4573C FORD	412473	DE10487 ALLCH	471750!	DR0945 SPG	25X35X7!	DR3310 SPG	710197!
D8HZ4676A FORD	3136N	DE10523 ALLCH	471192	DR1050 SPG	14X28X6	DR3316 SPG	75X100X10
D8NN-190CA FORD	4162	DE10986 ALLCH	471466!	DR1066 SPG	28X38X7	DR3333 SPG	1037
D8NN6701AA FORD	3341	DE1106 ALLCH	418028	DR1075 SPG	60X75X8	DR3335 SPG	22X35X7
D8NN6701BA FORD	3341	DE1106 ALLCH	455137!	DR1078 SPG	78X100X10	DR3336 SPG	68X90X10
D8RZ1175A FORD	3395!	DE11125 ALLCH	474281!	DR1134 SPG	224040	DR3343 SPG	224270
D8RZ1177A FORD	3392	DE11323 ALLCH	416332!	DR1134 SPG	40X60X10!	DR3347 SPG	85X110X12
D8RZ1177B FORD	3392	DE1461 ALLCH	471137	DR1137 SPG	28X47X7!	DR3352 SPG	65X90X10!
D8TR7A283AA FORD	471652	DE1537 ALLCH	471763	DR1141 SPG	15X35X7	DR3374 SPG	40X52X7!
D8TR7A283AA FORD	482208!	DE15694 ALLCH	415234!	DR162 SPG	15X24X7	DR3375 SPG	15X32X8
D8TR7A283AB FORD	3638	DE2452 ALLCH	450040	DR1788 SPG	231404	DR340 SPG	130X170X15

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
DR3435	SPG	110X135X13	DR4109	SPG	1992	DR5093	SPG	32X45X7	DR6219	SPG	44X72X10!
DR3455	SPG	229520	DR4109	SPG	45X65X8!	DR5110	SPG	223014	DR6220	SPG	225875
DR3455	SPG	95X130X12!	DR4112	SPG	50X65X8!	DR5119	SPG	224100	DR6220	SPG	58X75X11!
DR3465	SPG	145X170X12	DR4113	SPG	50X68X8!	DR5119	SPG	40X65X10!	DR6221	SPG	231404
DR3474	SPG	70X100X13	DR4123	SPG	50X72X8	DR5121	SPG	30X50X7	DR6231	SPG	1979
DR3490	SPG	17X30X7	DR4124	SPG	225230	DR5126	SPG	225005	DR6232	SPG	493637
DR3502	SPG	80X110X12	DR4124	SPG	52X72X8!	DR5126	SPG	50X62X7!	DR6234	SPG	222655
DR3516	SPG	222820	DR4126	SPG	55X72X8!	DR5146	SPG	227540	DR6234	SPG	26X48X7!
DR3516	SPG	28X40X7!	DR4128	SPG	58X72X8	DR5146	SPG	227550	DR6272	SPG	223830
DR3535	SPG	30X40X7!	DR4138	SPG	50X80X8	DR5146	SPG	75X100X12!	DR6272	SPG	38X55X7!
DR3536	SPG	27X37X7	DR4140	SPG	55X80X8	DR5173	SPG	1175	DR6279	SPG	332134
DR3537	SPG	130X160X12	DR4143	SPG	58X80X8	DR5183	SPG	1979	DR6320	SPG	712020
DR3551	SPG	35X47X7	DR4145	SPG	226020	DR5220	SPG	20X30X7!	DR6380	SPG	223014
DR3573	SPG	225872	DR4151	SPG	60X85X8	DR5220	SPG	222025!	DR6380	SPG	30X45X5!
DR3581	SPG	120X145X12!	DR4162	SPG	72X95X10	DR5265	SPG	471224	DR6383	SPG	70X95X10
DR3581	SPG	231204	DR4163	SPG	75X95X10	DR5308	SPG	471466	DR6389	SPG	85X105X10!
DR3589	SPG	120X145X12!	DR4165	SPG	65X100X10	DR5312	SPG	322353	DR6401	SPG	223010
DR3589	SPG	231204	DR4167	SPG	68X100X13	DR5340	SPG	340387	DR6445	SPG	716445
DR3641	SPG	222540	DR4175	SPG	229006	DR5357	SPG	471255!	DR6456	SPG	3392
DR3672	SPG	52X69X10	DR4177	SPG	85X120X12	DR5374	SPG	350877	DR6468	SPG	223005
DR3691	SPG	710216	DR4178	SPG	90X120X12	DR5374	SPG	471633!	DR6469	SPG	716102
DR3736	SPG	17X32X7	DR4179	SPG	95X120X12	DR5381	SPG	50X75X12	DR6470	SPG	222556
DR3737	SPG	18X32X8	DR4180	SPG	100X120X12	DR5386	SPG	223035	DR6471	SPG	222267
DR3761	SPG	32X45X7	DR4182	SPG	100X125X12	DR5431	SPG	48X72X7!	DR6472	SPG	1172
DR3769	SPG	223255	DR4183	SPG	100X130X12!	DR5433	SPG	224015	DR6474	SPG	1108
DR3769	SPG	32X52X7!	DR4184	SPG	105X130X12	DR5446	SPG	2008	DR6481	SPG	228008
DR3776	SPG	44X60X10!	DR4186	SPG	110X130X12	DR5502	SPG	30X72X10	DR6484	SPG	716484
DR3796	SPG	100X120X10	DR4188	SPG	105X140X12	DR5503	SPG	35X72X10	DR6507	SPG	1037
DR3832	SPG	200X230X15!	DR4193	SPG	120X140X13!	DR5506	SPG	144X160X12	DR6527	SPG	222510
DR3869	SPG	55X90X13	DR4193	SPG	717004	DR5550	SPG	224460	DR700181	SPG	722108
DR3892	SPG	16X28X7	DR4197	SPG	120X160X12	DR5574	SPG	190X220X16	DR7035	SPG	223012
DR3980	SPG	19X35X10!	DR4198	SPG	125X160X12	DR5580	SPG	130X160X15	DR7035	SPG	30X44X7!
DR4003	SPG	6X22X7	DR4200	SPG	140X160X13!	DR5600	SPG	3771	DR7064	SPG	710077
DR4004	SPG	7X22X7	DR4205	SPG	145X175X15	DR5609	SPG	228009	DR7161	SPG	710443
DR4008	SPG	10X22X7	DR4206	SPG	150X180X15	DR5620	SPG	55X78X10	DR7203	SPG	228480
DR4019	SPG	15X26X7	DR4208	SPG	160X190X15	DR5655	SPG	223543	DR7216	SPG	223801!
DR4021	SPG	12X28X7!	DR4209	SPG	170X200X15	DR5655	SPG	35X56X10!	DR7223	SPG	1979
DR4021	SPG	12X30X7	DR4210	SPG	180X210X15	DR5663	SPG	72X100X12	DR7225	SPG	1214
DR4024	SPG	12X30X7	DR4228	SPG	224220	DR5721	SPG	52X68X8!	DR7225	SPG	1214N
DR4027	SPG	16X30X7	DR4232	SPG	25X42X10	DR5722	SPG	223606	DR7226	SPG	473274
DR4029	SPG	18X30X7!	DR4269	SPG	35X50X8!	DR5722	SPG	26X42X10!	DR7227	SPG	224235
DR4029	SPG	221820	DR4270	SPG	224560	DR5728	SPG	225505	DR7227	SPG	42X58X7!
DR4033	SPG	15X32X8	DR4270	SPG	45X68X7!	DR5728	SPG	55X70X8!	DR7228	SPG	471442!
DR4038	SPG	16X35X7	DR4276	SPG	224020	DR5733	SPG	20X52X7	DR7229	SPG	473010!
DR4045	SPG	17X40X7	DR4276	SPG	40X55X8!	DR5744	SPG	56X72X7	DR7230	SPG	416154!
DR4046	SPG	18X40X7	DR4401	SPG	225035	DR5801	SPG	224252	DR7231	SPG	223620
DR4048	SPG	22X40X8	DR4465	SPG	222535	DR5811	SPG	52X75X12	DR7232	SPG	223014*
DR4050	SPG	24X40X7!	DR4465	SPG	25X38X7!	DR5815	SPG	55X75X8	DR7233	SPG	472572!
DR4051	SPG	222540	DR4512	SPG	228020	DR5826	SPG	56X68X10	DR7234	SPG	470954!
DR4051	SPG	25X40X7!	DR4512	SPG	80X105X13!	DR5880	SPG	130X160X15	DR7237	SPG	1213N
DR4054	SPG	25X42X6	DR4513	SPG	1884	DR5957	SPG	225460	DR7242	SPG	227040
DR4056	SPG	30X42X7!	DR4530	SPG	223542	DR5957	SPG	54X85X10!	DR7251	SPG	228480
DR4060	SPG	20X47X7	DR4530	SPG	35X55X11!	DR5980	SPG	221610	DR766	SPG	60X80X8!
DR4061	SPG	22X47X7	DR4538	SPG	20X42X7	DR6052	SPG	227409	DR858	SPG	239127
DR4062	SPG	24X47X7	DR4576	SPG	62X80X10	DR6062	SPG	228010	DR86	SPG	224045
DR4063	SPG	25X47X7	DR4586	SPG	220X250X15	DR6069	SPG	2011	DR86	SPG	40X62X12!
DR4064	SPG	26X47X7	DR4617	SPG	55X75X10	DR6101	SPG	226001	DR898	SPG	80X100X10!
DR4067	SPG	30X47X7	DR4619	SPG	30X48X8!	DR6102	SPG	716102	DR945	SPG	222510
DR4068	SPG	32X47X7!	DR4672	SPG	38X60X10	DR6125	SPG	2000	DR945	SPG	25X35X7!
DR4072	SPG	35X50X7	DR4725	SPG	55X85X10	DR6125	SPG	224235	DR947	SPG	17X28X7
DR4075	SPG	25X52X10	DR4738	SPG	54X82X10	DR6125	SPG	42X58X7!	DR949	SPG	22X32X7
DR4079	SPG	35X52X7	DR4746	SPG	223620	DR6127	SPG	712010	DR952	SPG	14X24X7!
DR4086	SPG	42X55X8!	DR4772	SPG	42X72X10!	DR6128	SPG	712003	DR958	SPG	20X40X10
DR4094	SPG	45X60X8	DR4894	SPG	40X58X8	DR6129	SPG	712004	DR962	SPG	28X42X8!
DR4096	SPG	30X62X7	DR4903	SPG	225420	DR6150	SPG	12X25X7	DR968	SPG	222240
DR4097	SPG	35X62X7!	DR4903	SPG	54X72X10!	DR6151	SPG	1041	DR968	SPG	22X40X7!
DR4100	SPG	38X62X7	DR4912	SPG	45X72X10	DR6154	SPG	229005	DS13	VICK	473447
DR4101	SPG	40X62X7	DR4914	SPG	30X50X8	DR6155	SPG	225020	DSD18286	NOK	1015N
DR4102	SPG	42X62X8	DR4945	SPG	17X40X7	DR6186	SPG	2025	DTA72646	FMC	471571
DR4104	SPG	1012	DR4983	SPG	115X140X12	DR6218	SPG	223240	DTA72647	FMC	472560N!
DR4104	SPG	1012N	DR5022	SPG	224835	DR6218	SPG	32X48X8!	DTA72648	FMC	471271!
DR4104	SPG	45X62X8!	DR5022	SPG	48X68X10!	DR6219	SPG	224470	DTA72649	FMC	416919

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
DTA72887 FMC	240735	E0TZ4676A FORD	9316	E1SM6700A4A FORD	3771	E32252015 IH	473227
DTA84924 FORD	416888!	E0TZ4676B FORD	7044NA	E1TZ4676A FORD	5778	E32252033 IH	416921!
DV1612 DALMO	240435	E0TZ7B215A FORD	341022	E1TZ7B215A FORD	472572	E32252038 IH	473459
DVL4845 MARMO	340797	E0TZ7B215B FORD	472572	E1TZ7B215B FORD	3173	E32354E JOHND	471649!
DW300208-5 TROS	8430S	E0TZ7B215C FORD	473237	E1TZ7B215B FORD	710928	E328332 IH	417316!
DX-028 COC	471766!	E0TZ7B215D FORD	472572	E20366E JOHND	240119	E354040TA SPG	354040
DX13735 GMC	472319	E0W1177AA FORD	9569S	E207 MINNM	471766!	E354041TA SPG	354041
DX1668 GMC	471539!	E0ZR7052BA FORD	2326* =	E20811 FULLE	415458!	E36542 JOHND	41461S
DX1780 GMC	474253	E0ZR7288AA FORD	313156	E21330 FULLE	415458!	E36910 FULLE	412920!
DX2202 GMC	417548	E0ZZ-7A283A FORD	222820	E2136 FULLE	417487	E37542 JOHND	41461S
DX23256 GMC	471504!	E0ZZ7052A FORD	2443	E2136 FULLE	417487!	E37A-3B470AB FORD	340835
DX24039 GMC	472397!	E0ZZ7288A FORD	313156	E215 PORTR	416892!	E37A1190AB FORD	8312
DX24040 GMC	471835!	E0ZZ7288B FORD	4127	E217 PORTR	471766!	E37A1190BA FORD	6815
DX26099 GMC	471413!	E1050930 SPICE	415449!	E21812 FULLE	415449!	E38705 WILYS	472179
DX26208 GMC	471484!	E1091 EUCLD	376590A	E21830 FULLE	476470	E38707 WILYS	471801!
DX2815 GMC	471487	E11093 AT SU	470898!	E227 PORTR	416865!	E38714 WILYS	472179
DX28649 GMC	471504!	E1110 WHITE	410987!	E2340 EUCLD	733105	E3EC-1N013-AA FORD	710365
DX30028 MASSE	470530!	E1127699 CHRYS	472012	E2341 EUCLD	733106	E3FZ-3K070-A FORD	710365
DX30183 MASSE	471343!	E11381 GEM	471442!	E23614 FULLE	471224	E3FZ7A011A FORD	3638
DX30765 MASSE	240733	E11449 GEM	6703S	E2400300 CHRYS	7300S	E3FZ7F401A FORD	4539H
DX31660 MASSE	472397!	E11923 GEM	480630!	E2431 EUCLD	733107	E3HZ1190B FORD	370001A
DX32980 GMC	240435	E1269 EUCLD	240736	E2432 EUCLD	733108	E3HZ1190B FORD	380001A
DX3472 GMC	455251H	E13232 IH	473458!	E2433 EUCLD	733109	E3HZ1190C FORD	370048A
DX3473 GMC	75251S	E13993 IH	471192	E2434 EUCLD	733110	E3HZ1190C FORD	380048A
DX35048 GMC	482069N	E1443 WHITE	471138!	E2435 EUCLD	733111	E3HZ4573A FORD	412473
DX38472 GMC	415327	E1471180 ALLCH	415867	E2436 EUCLD	733112	E3HZ4573C FORD	412473
DX38493 GMC	450084!	E1471545 ALLCH	352541	E2437 EUCLD	733113	E3HZ4674A FORD	712937
DX39218 GMC	471365	E15419 GEM	473467	E2438 EUCLD	733114	E3HZ4676A FORD	9773
DX41675 GMC	471424=	E1569 WHITE	412871!	E25091 EATON	471276	E3HZ4676B FORD	416654
DX43140 GMC	476470	E1582 WHITE	470565!	E2556 FULLE	415146!	E3HZ4676C FORD	415458
DX44455 GMC	415294=	E1588 OLIVE	50254=	E2556 FULLE	415991	E3HZ7048A FORD	473454
DX44689 GMC	473010=	E1590 OLIVE	471267!	E27012 FULLE	472164!	E3TC-3591-AA FORD	710370
DX49720 GMC	470954	E1590 WHITE	471267!	E27W4676A1A FORD	3604	E3TW1177A1A FORD	8835S
DX5309 GMC	472016	E16468E JOHND	480630	E27W4676AA FORD	3604	E3TW1177A2A FORD	8835S
DX54461 GMC	471717=	E17609 JOHND	416339	E28263 FULLE	55193=	E3TZ-1S177A FORD	8835S
DX75341 MASSE	471267!	E17609E JOHND	416339	E28265 FULLE	417196!	E3TZ-3591-B FORD	710370
DY11683 EATON	450165	E18979 JOHND	203006!	E29006 IH	471766!	E3TZ-3738-A FORD	221922
DY11683 EATON	471801!	E18979 JOHND	205006=	E2DZ-7052A FORD	7692S	E3TZ-3B470B FORD	340835
DY11730 EATON	471984	E18979E JOHND	203006!	E2HS1131BA FORD	HU009A	E3TZ-7052C FORD	2443
DY11731 EATON	471984	E193 GRAY	416921!	E2HS1175AA FORD	370046A	E3TZ1175A FORD	8314
E0A1175 FORD	473238!	E19501 GEM	6703S	E2HS1175BA FORD	417506	E3TZ1175B FORD	722109
E0DT7052A3A FORD	2655	E19505 GEM	471689!	E2HS1175CA FORD	370047A	E3TZ1175C FORD	722109
E0DW1177AA FORD	9569S	E19799 GEM	240949	E2HS1175DA FORD	370004A	E3TZ1175D FORD	722108
E0DZ1177B FORD	9569S	E19869 GEM	240414	E2HS1190AA FORD	370054A	E3TZ1177A FORD	8835S
E0ET7048AA FORD	2503	E19897 JOHND	6703S	E2HS1190CA FORD	370132A	E3TZ1190A FORD	8312
E0ET7048AA FORD	2503N	E19897E JOHND	6703S	E2HT1190AA FORD	370001A	E3TZ1190B FORD	6815
E0ET7052AA FORD	2443	E1AP-7052BA FORD	2854	E2HT1190AA FORD	380001A	E3TZ1190C FORD	4148
E0HT1190AA FORD	370001A	E1AP-7052BA FORD	7300S	E2HT1190BA FORD	370048A	E3TZ1190D FORD	4148
E0HT1190AA FORD	380001A	E1AP7052A FORD	7692S	E2HT1190BA FORD	380048A	E3TZ3254A FORD	3543
E0HZ4676A FORD	477163N	E1AP7052AA FORD	7692S	E2HZ1177A FORD	370003A	E3TZ3254B FORD	710065
E0HZ4676B FORD	477163N	E1AW1177AA FORD	8660S	E2TA1190AA FORD	370001A	E3TZ3254C FORD	470672
E0HZ7052A FORD	472213	E1AZ1177A FORD	8660S	E2TA1190AA FORD	380001A	E3TZ3591A FORD	710370
E0NN1190AA FORD	4162	E1AZ1177B FORD	8660S	E2TA1190CA FORD	4148	E3TZ3B470A FORD	340835
E0RZ7288A FORD	313156	E1EP7F401A2A FORD	4539H	E2TE6701A2A FORD	713750	E3TZ4676A FORD	3604
E0TA1175AA FORD	9864S	E1EW1177A1A FORD	3622	E2TW4676AA FORD	7044NA	E3TZ4676B FORD	4244
E0TA1190B1A FORD	4160	E1EW1177A3A FORD	3622	E2TZ4676A FORD	7044NA	E3TZ6700A FORD	3894V
E0TA6362 FORD	1040=	E1FZ1175A FORD	473677	E2ZE6701A4A FORD	3909	E3TZ6700B FORD	8316
E0TW1177A1A FORD	710067	E1FZ1177A FORD	3622	E2ZE6701A4A FORD	5277	E3TZ6700C FORD	2012V
E0TW1177A2A FORD	473228	E1FZ6700A FORD	3771	E2ZE6701AA FORD	3909	E3TZ6701A FORD	3893V
E0TW1177BA FORD	3195	E1FZ6701A FORD	3772	E2ZZ6701A FORD	3909	E3TZ6701C FORD	2377
E0TW4676A1A FORD	7044NA	E1FZ6701A FORD	5287	E2ZZ7052A FORD	2655	E3TZ7052A FORD	2443
E0TZ1175A FORD	9864S	E1FZ6K292A FORD	3774	E2ZZ7288A FORD	4127	E3TZ7A011 FORD	3622
E0TZ1177A FORD	710067	E1FZ7A011A FORD	710053	E30479 JOHND	415449!	E3TZ7B215A FORD	4143
E0TZ1177B FORD	3195	E1FZ7B498A FORD	342517	E312260SS SPG	42260S	E3TZ7B215B FORD	473237
E0TZ1177C FORD	473228	E1FZ7F401A FORD	4539H	E313290SS SPG	43290S	E3TZ7B215C FORD	4141
E0TZ1190A FORD	4148	E1HT1175AA FORD	370003A	E3145BJ SPG	5124	E3TZ7B215D FORD	4141
E0TZ1190B FORD	4160	E1HT1175BA FORD	370003A	E3159 CHRYS	416127	E3TZ7B215E FORD	4143
E0TZ1190C FORD	4148	E1HZ1175A FORD	370003A	E3160 CHRYS	416127	E3TZ7B215F FORD	473237
E0TZ1190D FORD	4160	E1HZ1175B FORD	370003A	E31920 JOHND	472185!	E3TZ7B215G FORD	4143
E0TZ1190E FORD	4160	E1HZ4676A FORD	100263	E31925 JOHND	415072	E3TZ7B215H FORD	473237
E0TZ3254A FORD	710043	E1HZ4676A FORD	3905	E31926 JOHND	416239!	E400B-21 CONTI	327303!
E0TZ3254B FORD	2146	E1NN3N632AA FORD	471267	E32037M CHRYS	471553!	E4093SS SPG	5452

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
E4099CA	SPG	4099	E5HT1190DA	FORD	380001A	E6HZ1175E	FORD	370023A	E7HZ6700A	FORD	712511
E4101BG	SPG	5109	E5HZ1190A	FORD	370132A	E6HZ1190A	FORD	370132A	E7HZ6700B	FORD	710210
E4110CA	SPG	5123	E5HZ4573A	FORD	100494	E6HZ1190D	FORD	370001A	E7HZ7052A	FORD	417316
E43E6700A2A	FORD	714075	E5HZ4573A	FORD	476470	E6HZ1190D	FORD	380001A	E7HZ7918A	FORD	713750
E43E6700D	FORD	223420	E5HZ4676A	FORD	417986N	E6HZ4676B	FORD	4564V	E7TA1190BA	FORD	4160
E43Z6700A	FORD	714075	E5HZ4676B	FORD	415082	E6HZ4676D	FORD	415088	E7TZ1177A	FORD	2146
E43Z6700A2A	FORD	714075	E5NN-4969-A	FORD	713166	E6HZ6701A	FORD	712449	E7TZ1190A	FORD	710091
E43Z6700B	FORD	223012	E5NN6701BA	FORD	712449	E6HZ6701B	FORD	712449	E7TZ1190B	FORD	4160
E43Z6700B	FORD	30X44X7!	E5RY1177A	FORD	224250	E6HZ7048A	FORD	710211	E7TZ7052B	FORD	713771
E43Z6700D	FORD	223420	E5RY1177A	FORD	224253	E6HZ7052A	FORD	712512	E7TZ7052C	FORD	1217
E43Z6700E	FORD	714075	E5RY1177A	FORD	42X628X!	E6SP1177AA	FORD	3622	E7TZ7052D	FORD	1209
E43Z6700F	FORD	223012	E5RY4676A	FORD	712011	E6SP7F401AA	FORD	4189H	E7TZ7B215-A	FORD	710402
E43Z6700F	FORD	30X44X7!	E5TE6700A2A	FORD	2942	E6TA1190AA	FORD	4148	E7TZ7B215B	FORD	714503
E43Z6700G	FORD	223235	E5TW1177AA	FORD	710067	E6TE6700A2A	FORD	710210	E7UZ4676A	FORD	719316
E43Z6701A	FORD	229005	E5TW1177BA	FORD	370047A	E6TE6700AA	FORD	710210	E80420	WILYS	470898!
E43Z7288A	FORD	710274	E5TW4676BA	FORD	4278	E6TZ-1S190A	FORD	4148	E804820	WILYS	470898!
E4400RX	SPG	4400=	E5TZ-3332-A	FORD	710304	E6TZ1190A	FORD	4148	E810751	WILYS	240733
E4401RX	SPG	4401=	E5TZ1177A	FORD	710067	E6TZ6700A	FORD	2012V	E83Z4676A	FORD	472258
E44082	CUMMI	473224!	E5TZ1177B	FORD	370047A	E6TZ6701A	FORD	5118	E83Z6700A	FORD	714075
E44473	CUMMI	330385	E5TZ1190A	FORD	6815	E6TZ7B216A	FORD	330385!	E844	NOVO	474264
E44583	CUMMI	470059	E5TZ3254A	FORD	710095	E6ZE6700A2A	FORD	2955	E845	NOVO	470059
E44583	CUMMI	470380!	E5TZ4676A	FORD	4278	E6ZE6700AA	FORD	2955	E845	NOVO	470380!
E45	NOVO	470059	E5TZ4676B	FORD	4278	E6ZE6701A2A	FORD	3909	E865	NORDG	450326
E45	NOVO	470380!	E5TZ4676C	FORD	9316	E6ZE6701A2A	FORD	5277	E86884	CHRY	471413
E45116	CUMMI	470954!	E5TZ6700A	FORD	16X28X7!	E70	BRAD	471652	E87W4676AA	FORD	4278
E45123	CUMMI	472810!	E5TZ6700A	FORD	221610	E7059144	LUF	417549!	E87W4676BA	FORD	3604
E45374	CUMMI	472409	E5TZ6700B	FORD	224460	E7059160	LUF	55469	E8BZ-1177B	FORD	2007N
E456500SS	PACIF	416500!	E5TZ6700C	FORD	2942	E7066676	LUF	472397!	E8BZ1177A	FORD	1126
E45Y6700A	FORD	223801!	E5TZ6700D	FORD	712007	E7066677	LUF	476470	E8BZ7A011A	FORD	222238
E45Y6701A	FORD	229005	E5TZ6701A	FORD	228005	E7075330	LUF	473225	E8DE6701AA	FORD	3772
E472858VG	SPG	5133	E5TZ6701C	FORD	2377	E7075331	LUF	411376!	E8DE6701AP	FORD	3772
E47805XA	SPG	8370S	E5TZ6701D	FORD	3893V	E7075332	LUF	473239!	E8DZ6701A	FORD	3772
E48313	JOHND	204017	E5TZ7052A	FORD	223014	E7075592	LUF	476871=	E8GY-1177A	FORD	1973
E49968	JOHND	3095	E5TZ7052A	FORD	30X45X5!	E7075593	LUF	471272!	E8HZ7B215A	FORD	39920
E4EE6701A2A	FORD	3772	E5TZ7052B	FORD	2655	E7075689	LUF	415645!	E8TW1177BA	FORD	370047A
E4FZ6701A	FORD	3772	E5TZ7A248A	FORD	2658	E7075689	LUF	455104	E8TW4676AA	FORD	4278
E4HN6701AA	FORD	712449	E5TZ7B215A	FORD	472572	E7075690	LUF	474274	E8TZ-4676B	FORD	4278
E4HT1175AA	FORD	370003A	E5ZZ6701A	FORD	3909	E7075786	LUF	415725!	E8TZ-7052B	FORD	223012
E4HZ1175B	FORD	370003A	E619	NOVO	450593!	E7075788	LUF	415867	E8TZ1175A	FORD	418028
E4HZ4478A	FORD	4561V	E620	OLIVE	472299	E7075792	LUF	417603!	E8TZ1177B	FORD	370047A
E4HZ4573A	FORD	100495	E620	WHITE	472299	E7075813	LUF	417343!	E8TZ4676A	FORD	4525V
E4HZ4573A	FORD	4810V	E62795	AT SU	481864	E7076823	LUF	417433!	E8TZ4676C	FORD	3604
E4HZ4676A	FORD	100263	E62GE9	FORD	473446	E7077966	LUF	471466!	E8TZ7050E	FORD	223535
E4HZ4676A	FORD	3905	E632008	GMC	416865!	E71	BRAD	471267!	E8TZ7052A	FORD	1990
E4HZ4676B	FORD	3143N	E634125-3	LEROI	415437	E711456	GMC	416951	E8TZ7052C	FORD	7692S
E4HZ7050C	FORD	473814	E63568	GMC	416158	E71175M	CHRY	471571	E8TZ7052D	FORD	1981
E4HZ7B215A	FORD	330749V	E63E6700AA	FORD	714075	E728	NOVO	471763	E8TZ7052F	FORD	223608
E4HZ7B215B	FORD	5133	E653724	GMC	471652	E729	NOVO	471689!	E8TZ7B215A	FORD	4503N
E4HZ7B215C	FORD	39930	E663125-3	LEROI	415437	E755	NOVO	471255!	E8ZZ6700A	FORD	2955
E4LY-7A248A	FORD	224052	E66943M	CHRY	471750!	E756	NOVO	471570!	E9020080	LUF	471567!
E4TE6701AA	FORD	5118	E66944M	CHRY	416892!	E759286	LUF	471567	E9020090	LUF	471267!
E4TW4676A1A	FORD	3604	E67409M	CHRY	417563	E7AZ6701A	FORD	2377	E9020097	LUF	471646!
E4TZ-7B215A	FORD	4333N	E67410M	CHRY	417563	E7EE6701A1A	FORD	3772	E9020100	LUF	470590
E4TZ1190A	FORD	4250	E682661	GMC	415483	E7FZ6700A	FORD	3771	E9020120	LUF	471689!
E4TZ3254A	FORD	710043	E693	OLIVE	473239	E7FZ6701A	FORD	3772	E9020130	LUF	470712!
E4TZ3254B	FORD	710043	E6AE6700A2A	FORD	350936	E7FZ6K292A	FORD	3774	E9020135	LUF	2669
E4TZ3B470A	FORD	722108	E6DC1249AA	FORD	6815	E7GZ-1177A	FORD	4990	E9020180	LUF	470625!
E4TZ4676A	FORD	5778	E6DW-117AA	FORD	8835S	E7GZ-1177B	FORD	710323	E9020198	LUF	473232!
E4TZ4676C	FORD	5778	E6DW1177AA	FORD	3622	E7GZ-1177C	FORD	1213N	E9020210	LUF	473236!
E4ZE6701A2A	FORD	3772	E6DZ1177A	FORD	3622	E7GZ-1177D	FORD	2007N	E9020220	LUF	472185!
E500093901	WHITE	415035=	E6DZ1177AM	FORD	3622	E7GZ-1177E	FORD	2007N	E9020225	LUF	472185!
E50607	JOHND	291099	E6DZ1249A	FORD	6815	E7GZ12143A	FORD	427RR	E9020227	LUF	473238!
E53786M	CHRY	471689!	E6DZ3591A	FORD	710504	E7GZ6700A	FORD	223012	E9020230	LUF	473462
E54058	JOHND	472535	E6DZ6700A	FORD	350936	E7GZ6701A	FORD	228250	E9020240	LUF	471833
E544145	FULLE	471413	E6DZ7F401A	FORD	4189H	E7GZ6701A	FORD	710448	E9020250	LUF	471833
E5DW4676AA	FORD	3604	E6EE6700A2A	FORD	3771	E7GZ7288A	FORD	221620	E9020255	LUF	472016
E5DZ4676A	FORD	3604	E6EE6K292A2A	FORD	3774	E7GZ7A011A	FORD	222430	E9020260	LUF	473245!
E5HN6700AA	FORD	712511	E6FZ7F401A	FORD	4539H	E7HT1190AA	FORD	370001A	E9020270	LUF	471272!
E5HT1175CA	FORD	370023A	E6HS1175AA	FORD	370003A	E7HT1190AA	FORD	380001A	E9020279	LUF	413247!
E5HT1175GA	FORD	370003A	E6HS1175BA	FORD	370023A	E7HZ1175A	FORD	370047A	E9020280	LUF	413247!
E5HT1190AA	FORD	370132A	E6HT1175AA	FORD	370023A	E7HZ1190A	FORD	370001A	E9020285	LUF	417073
E5HT1190DA	FORD	370001A	E6HZ1175C	FORD	370023A	E7HZ4676A	FORD	417987N	E9020290	LUF	417073

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
E9020300	LUF	415449!	E920110	LUF	471647	EE35781	OSHKO	476470!	ER91563	EATON	471570!
E9020305	LUF	455655!	E920400	LUF	476470	EE35781	OSHKO	476470	ER92999	EATON	470954!
E9020310	LUF	415458!	E920400	LUF	476470!	EE35783	OSHKO	411253!	ER9531	EATON	471442!
E9020320	LUF	455151	E924175	WILYS	471558	EE363	MINNM	473463	ERJA245	CONTI	240698
E9020330	LUF	417316!	E92Z-1177A	FORD	1932	EG2949CA2	SPG	5131	ERJA252	CONTI	350974!
E9020345	LUF	416654!	E92Z-1177B	FORD	224235	EH-135	LAZOR	227410	ES1008-1	MCCOR	9845
E9020350	LUF	416654	E92Z-1S177AA	FORD	1932	EH-266	LAZOR	473367	ES1164	AVCO	412871!
E9020360	LUF	417349!	E92Z-7F401A	FORD	710446	EH-292	LAZOR	1938	ES145	LAZOR	222745
E9020365	LUF	417349!	E92Z3C084A	FORD	710223	EH-294	LAZOR	1943	ES145	LAZOR	27X45X8!
E9020369	LUF	415995!	E92Z3C084B	FORD	710224	EH-295	LAZOR	494117	ES160	LAZOR	225005
E9020370	LUF	415995!	E92Z6700A	FORD	223420	EH14184	GEM	240733	ES160	LAZOR	50X62X7!
E9020370	LUF	415995!	E92Z6701A	FORD	229005	EH41594	CUMMI	471647	ES17687-1	MCCOR	TCS45472
E9020390	LUF	455022	E92Z7A011A	FORD	1990	EHX6011	ALLCH	473448	ES289	LAZOR	1012
E9020400	LUF	476470!	E92Z8507A	FORD	35418	EHX6012	ALLCH	472164!	ES289	LAZOR	1012N
E9020400	LUF	476470	E942	NOVO	472179	EJN7610041	AM BO	471652	ES290	LAZOR	223255
E9020405	LUF	415025	E951036	WILYS	472354!	EJN76120195	AM BO	472560N!	ES290	LAZOR	32X52X7!
E9020410	LUF	455026	E95841M	CHRYL	471705!	EJN80295	AM BO	6863S!	ES31512-1	MCCOR	9845
E9020415	LUF	415991	E97127M	CHRYL	450339	EJN9012218	AM BO	240009	ES31902-1	MCCOR	TCS45725
E9020415	LUF	415991!	E973	NOVO	473419	EK475937HG	SPG	415937	ES31902-1	MCCOR	TCS45727
E9020420	LUF	415991	E99Z4676A	FORD	5778V	EK8515BX	SPG	5126	ES3575	AVCO	472164!
E9020420	LUF	455146!	E9DZ6700A	FORD	1213N	EL-121	LAZOR	473179!	ES36173-1	MCCOR	472082
E9020425	LUF	415437	E9DZ6700B	FORD	710220	EL0900421	ROCKW	415483!	ES39499-1	MCCOR	332062
E9020440	LUF	417501	E9SW4B416AB	FORD	714569	EL0900626	CONDC	472164!	ES39795-1	MCCOR	5587
E9020445	LUF	415379	E9SW4B416BAB	FORD	4569V	EM-105	LAZOR	1984	ES97610	MCCOR	TCS45473
E9020450	LUF	415379	E9SZ4B416A	FORD	4569V	EM-108	LAZOR	2008	ES97618	MCCOR	TCS45689
E9020455	LUF	415379	E9SZ4B416A	FORD	714569	EM-130	LAZOR	1990	ES97664	MCCOR	TCS45633
E9020465	LUF	415034!	E9TP7052AA	FORD	7300S	EM103	LAZOR	1214	ES97670	MCCOR	TCS45434
E9020470	LUF	415034!	E9TP7A248A	FORD	3404	EM103	LAZOR	1214N	ES97698	MCCOR	TCS45603
E9020480	LUF	415035	E9TP7A248A	FORD	3404H	EM140	LAZOR	1215	ES9845	MCCOR	TCS45285
E9020480	LUF	415035!	E9TP7A248AA	FORD	3404	EM140	LAZOR	1215N	ES9846	MCCOR	17760
E9020485	LUF	415035	E9TP7A248AA	FORD	3404H	EM144	LAZOR	1216	ES9847	MCCOR	17780
E9020485	LUF	475845!	E9TZ-7052A	FORD	7412S	EM144	LAZOR	1216N	ES9848	MCCOR	17795
E9020490	LUF	415035	E9TZ-7A248A	FORD	3404	EM153	LAZOR	224020	ET-304	LAZOR	227045
E9020491	LUF	415036	E9TZ4676A	FORD	4525V	EM153	LAZOR	40X55X8!	ETC3589	AVCO	240151
E9020495	LUF	415041	E9TZ7A248B	FORD	3404	ENH40859	CUMMI	330385	ETC3590	AVCO	6597S
E9020505	LUF	455194	EA223638	GMC	240733	EO-2	ATP	470460	EV4430	CLARK	471504!
E9020510	LUF	416556!	EA223694	GMC	343185	EO-4	ATP	320564	EVH42960	CUMMI	471264
E9020510	LUF	472157	EA223910	GMC	451143	EO3	ATP	1167	EX10770	JAC	471649!
E9020515	LUF	415196!	EA223917	GMC	240731	EO3	ATP	710306	EX10926	JAC	471571
E9020520	LUF	415196!	EAA5281203	AM BO	340413	EO5	ATP	223840	EX1099211	JOHND	476838!
E9020525	LUF	55199=	EAA602259	AM BO	340817	EO5	ATP	38X58X8!	EX11241	KINGN	474276!
E9020530	LUF	55199=	EAA602275	AM BO	240414	EO6	ATP	473179	EX11242	JAC	340787
E9020532	LUF	417525	EAA6336B	FORD	5596=	EOS882	PAARS	417433=	EX11469	JAC	474253!
E9020540	LUF	416888!	EAA6700A	FORD	350936	EP46841	VIC	376590A	EX11508	JAC	470954!
E9020545	LUF	416154!	EAA6700B	FORD	350936	EP468411	VIC	370026A	EX115650	AU-LI	471765!
E9020550	LUF	416154!	EAA6700B1	FORD	350936	EP46842	VIC	370036A	EX11579	JAC	340787
E9020570	LUF	415351!	EAA6700B2	FORD	350936	EP46842	VIC	370349A	EX11615	JAC	471224!
E9020580	LUF	417273	EAA6700B2	NOVI	350936	EP46842	VIC	380036A	EX11616	JAC	471567!
E9020590	LUF	417273	EAA6700B4	FORD	350936	EP46847	VIC	370037A	EX11633	JAC	470954!
E9020600	LUF	416865!	EAA6700BMR	FORD	350936	EP46847	VIC	370338A	EX119120	AU-LI	330385!
E9020610	LUF	416865!	EAA6701A	FORD	5596=	EP46849	VIC	370027A	EX12177	JAC	471267!
E9020622	LUF	417542	EAF18183A	FORD	472810!	EP47794	VIC	370006A	EX12614	MASSE	472439
E9020645	LUF	55357	EAF6700A	FORD	350936	EP64236	VIC	386025A	EX12620	MASSE	415995!
E9020660	LUF	416107!	EAF6700B	FORD	350936	EP64236	VIC	416158	EX12905	JAC	471736
E9020670	LUF	7006S	EAF6700F	FORD	350936	EP64410-1	VIC	370003A	EX13070	JAC	472560N!
E9020685	LUF	416666	EBK2155	AVCO	417509	EP64410-1	VIC	380003A	EX13294	JAC	471750!
E9020690	LUF	455297	EBK2161	AVCO	470088	EP64410-2	VIC	370003A	EX15453	BENDI	471466!
E9020720	LUF	415072	EBU6348B	FORD	5479	EP64410-2	VIC	380003A	EX21384	JAC	471766!
E9020750	LUF	417563	EC-236	LAZOR	494122	EP64410-3	VIC	370003A	EX23118B	GMC	7141=
E9020816	LUF	416364!	EC-263	LAZOR	474134	EP64414	VIC	370001A	EX2730U	NORDG	473227!
E9020820	LUF	416364!	EC265	LAZOR	224570	EP64414-1	VIC	370001A	EX27797	ALLCH	480210!
E9020822	LUF	416239!	EC265	LAZOR	45X72X12!	EP66	SPG	722108	EX30827	C-P	340817
E9020828	LUF	416044	ECA13C69	GR-DV	J1124	EPS2787	AVCO	471689	EX313	OLIVE	471192
E9020850	LUF	415867	ECU9364A	FORD	12473	EPS2788	AVCO	40494S	EX3764	ALLCH	415001!
E9020860	LUF	415551	ED-288	LAZOR	2002	EQ20900	LUF	417601	EX392	OLIVE	205035
E9020900	LUF	417601	EDX6004	ALLCH	450593!	ER90135	EATON	471570!	EX4031	KEN	476470
E9020905	LUF	417601	EE352	MINNM	472157	ER90302	EATON	471442!	EX4031	KEN	476470!
E9020910	LUF	55301S	EE352	MINNM	472157!	EE352	MINNM	471442!	EX43607	JAC	471737
E9020960	LUF	415128	EE352A	MINNM	472157	ER90676	EATON	471564	EX475	LAU	471267!
E9020965	LUF	415482	EE352A	MINNM	472157!	ER90839	EATON	471646!	EX476	LAU	472311!
E906292	AMC	472560N!	EE35716	OSHKO	472185!	ER90850	EATON	470954	EX51288ND	MASSE	472287!
E906292	WILYS	472560N!	EE35775	OSHKO	471484!	ER91562	EATON	471466!	EX52416	MASSE	416404!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
EX52717ND	MASSE	450068	F0ZZ1190A	FORD	9150S	F3HT1175AA	FORD	380023A	F5109	FAIRM	415036
EX52862ND	MASSE	473225!	F11902	CASE	6241S	F3HZ4676A	FORD	100263	F51370	MARMO	416865!
EX53364ND	MASSE	417484!	F12546	FAIRM	473215!	F3HZ4676A	FORD	4562V	F5145	FAIRM	412119!
EX54262ND	MASSE	411253!	F12607	CASE	471649!	F3HZ6700A	FORD	39803	F5151	FAIRM	473225!
EX5734	MINNM	481864	F12Z6700A	FORD	223420	F3HZ6700B	FORD	39804	F5228	FAIRM	476838!
EX5809	MINNM	473215!	F12Z6701A	FORD	229005	F3HZ6701A	FORD	39805	F5249	RELEE	471138!
EX5810	MINNM	473464	F1625	EATON	3098=	F3LP7052AA	FORD	4764	F5254	RELEE	471570!
EX5810	MINNM	473464!	F1636	EATON	8635S	F3LY7052A	FORD	4764	F53634	CASE	471766!
EX5868	JAC	471281!	F18133	CASE	450362	F3M5589	CATER	415035	F53639	CASE	470380!
EX6054	JAC	471570!	F19661	CASE	473232	F3M6839	CATER	455029H=	F5421	FAIRM	450104
EX6293	JAC	471103!	F1AE6701CA	FORD	3909	F3M8228	CATER	416476!	F5422	FAIRM	415458!
EX6405	MINNM	471765!	F1AZ6700A	FORD	473454	F3R3-1177A	FORD	3622	F5609	FAIRM	417073
EX6429	MINNM	417316!	F1AZ6701A	FORD	3909	F3RP-1177A	FORD	3622	F5610	FAIRM	417485
EX666	LAU	471539!	F1CZ6701A	FORD	228250	F3RP-7F401-AA	FORD	4635	F57Z-3254-AA	FORD	710428
EX7029	MINNM	472157	F1CZ6701A	FORD	710448	F3RP-7F401-AA	FORD	4635H	F57Z-3254-BA	FORD	710429
EX7029	MINNM	472157!	F1CZ6701B	FORD	228250	F3RP1177AA1	FORD	3622	F57Z4L616AA	FORD	714675
EX7428	MINNM	417349	F1HZ1175A	FORD	370023A	F3RP7H260AA	FORD	3622	F5940	CASE	413247!
EX7478	MINNM	472016	F1HZ1175C	FORD	370019A	F3RZ-7F401A	FORD	4635	F5AZ-6700-A	FORD	473454
EX7587	MINNM	417621!	F1HZ1175D	FORD	370021A	F3RZ-7F401AVMR	FORD	4635	F5RZ-1177-AA	FORD	710443
EX8078	MINNM	415302	F1JY6700A	FORD	710355	F3RZ1177A	FORD	3622	F5RZ6700A	FORD	3771
EX8089	MINNM	473460	F1SE6701AA	FORD	3909	F3SE-6700-AA	FORD	350936	F5RZ6701A	FORD	3772
EX8360	MINNM	472299	F1SZ6701A	FORD	3909	F3TZ-1175-B	FORD	710453	F5TZ-1175-A	FORD	710430
EX8653	MINNM	473010!	F1TE-6701-A2A	FORD	2377	F3TZ-1175-BA	FORD	710453	F5TZ-6701-A	FORD	473573
EX8660	MINNM	450165	F1TE6701A1A	FORD	2377	F3TZ-1175-BB	FORD	710453	F5TZ1190A	FORD	710430
EX8660	MINNM	471801!	F1TZ6701A	FORD	2377	F3TZ-7B215-A	FORD	710403	F5TZ1190AA	FORD	710430
EX8664	MINNM	471192	F223	ALLCH	352541	F3UP7052AA	FORD	4765	F5TZ4676A	FORD	4525V
EX9074	MINNM	471570!	F22582	CASE	472164!	F3UZ7052A	FORD	4765	F600B-223	CONTI	416738!
EX9120	MINNM	471472!	F22670	CASE	417492	F3XA6700A	FORD	223340	F600B-223	CONTI	450096
EX9131	MINNM	473205	F23A20	CARTR	12473	F3XA6700AA	FORD	224052	F600B-246	CONTI	416738!
EX933	CLARK	471730	F23P7H260AA	FORD	3622	F3XA6701BA	FORD	228410	F600B-246	CONTI	450096
EX9961	MINNM	50209	F241543	AVCO	204020	F3XA7A248AA	FORD	224450	F60185	CASE	450456!
EXE5153	MASSE	450398	F241543	AVCO	2045051	F3XY-7A248A	FORD	224450	F6024	CASE	470088
EXE5153	MASSE	471267!	F256	BUC-E	415047	F3XY1177A	FORD	710118	F60829	CASE	473231
EXE5524	MASSE	470954!	F263A	PORTR	415023	F3XY1177B	FORD	710124	F60830	CASE	417433
EXE5525	MASSE	340413	F282	MINNM	473441	F3XY6700A	FORD	224052	F64120	FUNK	415960!
EXV10292	CASE	455194	F2940	FAIRM	5727	F3XY6701A	FORD	228410	F6442	CASE	450523
EXV11176	CASE	472810!	F2BZ6700A	FORD	223012	F3XY6701B	FORD	228410	F65001	FUNK	340724!
EXV13426	CASE	415035	F2DE6701AB	FORD	3772	F3XY6K292A	FORD	223420	F65002	FUNK	470712!
EXV13426	CASE	415035!	F2DZ-7F401A	FORD	4189H	F40054	DOMGA	473237	F65003	FUNK	471192
EXV18251	CASE	471766!	F2DZ-7F401AVMR	FORD	4189H	F400S-205	CONTI	240385	F65004	FUNK	473228
EXV4417	CASE	473463	F2HT1175AA	FORD	370023A	F40120	DOMGA	413246	F65006	FUNK	472179
EXV5226	CASE	455134!	F2HZ1175A	FORD	370047A	F40838	CASE	473239	F65007	FUNK	410308!
EXV5784	CASE	471689!	F2HZ1175B	FORD	370023A	F47504	BRADF	55155=	F65008	FUNK	472016
EXV5899	CASE	470605!	F2HZ1175C	FORD	370003A	F4857	FAIRM	415995!	F65010	FUNK	411376!
EXV7985	CASE	472560N!	F2R2677	CATER	472185!	F4AZ-6700-A	FORD	473454	F65011	FUNK	413247!
EZ0153A0	NOK	224660	F2R8416	CATER	415389=	F4AZ6701A	FORD	3909	F65013	FUNK	415449!
EZ0302E	NOK	376590A	F2TA1175AA	FORD	418028	F4BA6700B	FORD	710355	F65015	FUNK	415995!
EZ2199C0	NOK	710302	F2TZ-1175-B	FORD	710413	F4BZ-1177B	FORD	2007N	F65022	FUNK	471554!
EZ2894A0	NOK	710293	F2TZ-1175-C	FORD	710414	F4BZ-1177B	FORD	710323	F65024	FUNK	472409!
EZ2959A0	NOK	223010	F2TZ1175A	FORD	418028	F4BZ-1177C	FORD	710323	F65025	FUNK	416706!
F-30808	FORSH	710413	F2TZ6701-A	FORD	3893V	F4BZ-1177D	FORD	4990	F65028	FUNK	416404!
F0283317	IH	471785!	F2VY-7A248-A	FORD	3404	F4BZ-1177E	FORD	2007N	F65030	FUNK	470380!
F09Z-7B215-A	FORD	710388	F30715	FORD	330385!	F4BZ1177A	FORD	1126	F65034	FUNK	411253!
F09Z-7B215-B	FORD	710389	F312R	JOHND	417181!	F4BZ12143A	FORD	427RR	F65035	FUNK	472572!
F09Z-7B215-C	FORD	710441	F320	BUC-E	415995!	F4BZ6700A	FORD	223012	F65037	FUNK	473459
F09Z3254A	FORD	472258	F3232	RELEE	471276	F4BZ6700B	FORD	710355	F65046	FUNK	412861
F09Z3254C	FORD	472258	F3245	RELEE	470682	F4BZ6701A	FORD	228250	F65051	FUNK	472164!
F0DZ6701-A	FORD	710219	F32Z-6700-D	FORD	2012V	F4BZ6701A	FORD	710448	F65053	FUNK	471870!
F0HS1190AA	FORD	370001A	F32Z1177A	FORD	1932	F4HS1175BA	FORD	370003A	F65054	FUNK	450375!
F0HZ1190AA	FORD	370001A	F32Z6700A	FORD	2012V	F4SZ6700A	FORD	350936	F65054	FUNK	6936S!
F0HZ7048A	FORD	472636	F32Z6700B	FORD	223420	F4TZ-1177-C	FORD	370047A	F65054	FUNK	9845
F0HZ7052A	FORD	415035	F32Z6700C	FORD	223420	F4TZ-1177B	FORD	370047A	F65060	FUNK	471272!
F0HZ7052B	FORD	415035	F32Z6701A	FORD	1019	F4TZ-6700-A	FORD	3894V	F65062	FUNK	471271!
F0JY-1S177A	FORD	2007N	F32Z6701B	FORD	229004	F4TZ-6700-A	FORD	5066	F65063	FUNK	471262!
F0JY1177A	FORD	2007N	F37383	CASE	487945	F4TZ-6701-B	FORD	2377	F65064	FUNK	471271!
F0MV14164	FMC	416624!	F37Z6701A	FORD	3772	F4TZ-7B215A	FORD	4333N	F65066	FUNK	417433!
F0MV14165	FMC	415991	F39104	FORD	471553!	F4TZ6701A	FORD	5723	F65071	FUNK	473179!
F0MV14165	FMC	455146!	F3AE-6700-AA	FORD	473454	F4TZ6701C	FORD	5118	F65080	FUNK	412943
F0TW1177AA	FORD	370047A	F3AE6701AA	FORD	3909	F4TZ7B215B	FORD	4503N	F65087	FUNK	470950!
F0TZ1177A	FORD	370047A	F3BZ6700A	FORD	223012	F4XA-6701-AA	FORD	228410	F65087	FUNK	6241S
F0TZ4676A	FORD	473452	F3DP-7F401BA	FORD	4189H	F4XY6701A	FORD	228410	F65095	FUNK	473010!
F0ZC1190AA	FORD	9150S	F3HT1175AA	FORD	370023A	F4ZZ-7052-A	FORD	710426	F65101	FUNK	412119!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
F65102	FUNK	416294!	F75Z-1177BA	FORD	100357	FHO44594	CASE	472193!	G13815	CASE	340771
F65104	FUNK	416294!	F75Z-1S177BA	FORD	100357	FJO5301	MASSE	417082	G13816	CASE	450129
F65105	FUNK	415991	F7617	FAIRM	473232	FM3	FMC	416892!	G13816	CASE	472826!
F65105	FUNK	455146!	F77Z-7052AA	FORD	2655	FM302	GILSN	200354	G13817	CASE	450285
F65106	FUNK	417211!	F77Z6701BA	FORD	473573	FM508	IG-RA	471192	G13818	CASE	471224!
F65116	FUNK	473227!	F7819	FAIRM	415988	FO-124	ATP	2658	G13819	CASE	353120
F65117	FUNK	471271!	F7AP7052AA	FORD	4764	FO-191	ATP	3404	G13821	CASE	471827!
F65118	FUNK	471984	F7AZ-7052A	FORD	4764	FO103	ATP	412473!	G13822	CASE	415962
F65119	FUNK	471466!	F7CZ-7052AA	FORD	1990	FO122	ATP	2655	G13824	CASE	415035
F65120	FUNK	415960!	F7TZ1175AA	FORD	415960	FO123	ATP	2658	G13825	CASE	412473!
F65121	FUNK	415449!	F7UZ-1175A	FORD	9864S	FO182	ATP	473473	G13827	CASE	470954!
F65123	FUNK	415937!	F7UZ-1177A	FORD	710067	FO185	ATP	470687	G157-B208	CONTI	412473!
F65136	FUNK	415294!	F7ZZ-6701BA	FORD	473573	FO2	ATP	473459	G157B203	CONTI	412473=
F65137	FUNK	415483	F8085	CASE	340823	FO29	ATP	410308!	G157S202	CONTI	471442!
F65151	FUNK	450313	F81A-1175AA	FORD	710454	FO5	ATP	473234!	G1710	HU-WR	416921!
F65154	FUNK	415995!	F81A1175EA	FORD	415958	FOMV14164	FMC	416624!	G20147	DOMGA	332062
F65157	FUNK	472492!	F81A1175EA	FORD	417505	FOMV14165	FMC	415991	G20189	DOMGA	3945
F65158	FUNK	450313	F81A1175HA	FORD	710413	FOMV14165	FMC	455146!	G273	PORTR	416892!
F65159	FUNK	415371	F81P-7052AA	FORD	100086	FS2753	EL-WH	205004	G274	PORTR	415025
F65181	FUNK	470898	F81P-7052AB	FORD	100086	FS42159U	NORDG	471649!	G297	TW-CO	471733
F65184	FUNK	415449!	F81Z-1175AA	FORD	710454	FS50601U	NORDG	471192	G3001	SPG	730033
F65193	FUNK	473212!	F81Z-1175GA	FORD	9864S	FS50711	NORDG	470712!	G3002	SPG	730021
F65194	FUNK	472164!	F81Z-1S175AA	FORD	710454	FS50711U	NORDG	470712!	G3003	SPG	730020
F65195	FUNK	415725!	F81Z-7052AA	FORD	100086	FS60278U	NORDG	472354!	G3005	SPG	730007
F65196	FUNK	415294!	F81Z1175HA	FORD	710413	FS60279U	NORDG	473231!	G3006	SPG	730018
F65198	FUNK	471442!	F82958	CASE	5576	FS9687	EL-WH	6590S	G3008	SPG	730005
F65199	FUNK	416664!	F87A-1N049AA	FORD	710519	FSK18537	IH	412119!	G3009	SPG	730013
F65200	CHALL	471272!	F87Z-1190AA	FORD	710519	FSK21639	IH	473474	G3011	SPG	730022
F65200	FUNK	471272!	F8987	FAIRM	473445	FT2105	MINNM	415035	G3012	SPG	730026
F65204	FUNK	417262=	F89W4676AA	FORD	3604	FT2105	MINNM	415035!	G3013	SPG	730002
F65205	FUNK	472394	F89Z4676AA	FORD	3604	FT2213	MINNM	472636!	G3014	SPG	730028
F65207	FUNK	415379!	F8UZ-4676AA	FORD	719316	FT2230	MINNM	472409!	G3016	SPG	730035
F65207	FUNK	415379	F9052	FAIRM	474281!	FT2402	MINNM	472287!	G3019	SPG	730009
F65208	FUNK	455019!	F9743	CASE	471192	FT2412	MINNM	471649!	G3022	SPG	730023
F65209	FUNK	472164!	F9744	CASE	417344!	FT3332	MINNM	472409!	G3023	SPG	730010
F65214	FUNK	473244!	F9802	CASE	415035	FT3339	MINNM	415302	G3024	SPG	730004
F65215	FUNK	415937!	FA11	LK-BT	55028	FT606	MINNM	473463	G3025	SPG	730003
F65216	FUNK	415389	FA6534	PORTR	411245!	FT650	MINNM	55028	G3028	SPG	730001
F65217	FUNK	473444	FAA12476A	FORD	240470	FT650	WHITE	55028	G3031	SPG	730019
F65218	FUNK	415234!	FAA12476B	FORD	240470	FW189602	SPERY	472015=	G3034	SPG	730027
F65227	FUNK	471466!	FAB12143A	FORD	421	FW593112	SPERY	471271!	G3035	SPG	730011
F65228	FUNK	471504	FB12571	CASE	455019!	FX-09	COC	472144!	G3037	SPG	730031
F65229	FUNK	471272!	FB13736	CASE	472439	FXS30	COC	455079!	G3039	SPG	730034
F65235	FUNK	470625!	FD1084	FABCO	472193!	FXS39	COC	473448!	G3040	SPG	730008
F65240	FUNK	455019!	FD1405	FABCO	470334!	G-0253359	IH	415458!	G3041	SPG	730016
F65246	FUNK	476470	FD1779	GUY	472179	G00505126	FWD	415984!	G3042	SPG	730014
F65708	CASE	415379!	FD182	NAPD	471344	G00505135	FWD	470334!	G3044	SPG	730017
F65708	CASE	415379	FD192	NAPD	6936S	G0S672	PAARS	472012	G3045	SPG	730012
F65P-7052AA	FORD	4765	FD236	FABCO	473461!	G10005	CASE	412473!	G3046	SPG	730006
F65W-3N134-AA	FORD	3604	FD256	FABCO	415027	G10346	CASE	416706!	G3053	SPG	730032
F65Z-3N134-AA	FORD	3604	FD31	FABCO	450111	G10421	CASE	473425	G3056	SPG	730030
F6647	FAIRM	472439	FD323	FABCO	471272!	G10422	CASE	471821!	G3060	SPG	730024
F673	FAIRM	470334!	FD370	FABCO	5965	G105118	CASE	470954!	G3066	SPG	730025
F6731	FAIRM	470334!	FD372	FABCO	5965	G10561	CASE	415991	G3067	SPG	733067
F67Z-1177AA	FORD	8660S	FD3792	CASE	204017	G10561	CASE	455146!	G3078	SPG	730029
F67Z-1177AC	FORD	8660S	FD391	FABCO	473239	G10651	CASE	415991	G3237CAR	SPG	8660S
F6DZ-6700-AA	FORD	710444	FD87	FABCO	472185!	G10651	CASE	455146!	G3873CA	SPG	3873
F6HS1190AA	FORD	370001A	FD88	FABCO	473442!	G10689	CASE	471341!	G3873CAR	SPG	8695S
F6TP-7052-AA	FORD	4981V	FF1118	FULLE	472394	G13053	CASE	204079=	G3983CA	SPG	3983
F6TZ-7052A	FORD	7300S	FG0616	MO-CH	471684!	G13112	CASE	472810!	G4019RX	SPG	4019N
F6UZ-7052AMR	FORD	4765	FG0617	MO-CH	473203	G13800	CASE	6590S	G40HB122	BRADF	471633!
F6UZ7052A	FORD	4765	FG0624	MO-CH	415082	G13801	CASE	471138!	G4696SAR	SPG	710067
F6XA-6700AA	FORD	224052	FGO611	MO-CH	471730	G13802	CASE	471192	G4855S	SPG	710105
F6XZ6700AA	FORD	224052	FGO616	MO-CH	471684!	G13803	CASE	473215!	G4855SAR	SPG	710105
F6XZ6701BA	FORD	228410	FGO635	MO-CH	416267!	G13804	CASE	204084=	G527	HU-WR	415995!
F6ZZ-7052-A	FORD	710431	FH3022207	EL-MO	J1111	G13805	CASE	471267!	G529	HU-WR	415001!
F7023	CASE	240414	FH3022208	EL-MO	J1121	G13807	CASE	471267!	G6665E	JOHND	340136
F7150	CASE	5976S	FH3022209	EL-MO	J1109	G13810	CASE	415962	G923	HU-WR	476470
F7213	CASE	450984	FH3022302	EL-MO	471267!	G13811	CASE	415035	G9569CAR	SPG	9569S
F724	MINNM	470712!	FH3022307	EL-MO	471272!	G13811	CASE	415035!	GAF6924B	DURA	471984
F7312	CASE	450984	FH3022313	EL-MO	416404!	G13813	CASE	471271!	GAU4381	FORD	455005
F75W-1177BA	FORD	100357	FH757153	CASE	471766!	G13814	CASE	473197	GB11512	HWY	472492!

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
GB350	EMSCO	415124	GS1023	GUARA	1183	GS1174	GUARA
GB45587	FORD	471224!	GS1024	GUARA	1977	GS1178	GUARA
GB8	GOODM	311189	GS1025	GUARA	1188	GS1181	GUARA
GC1115	MACK	417433 =	GS1026	GUARA	1174	GS1182	GUARA
GC500	EMSCO	416865!	GS1026	GUARA	1188	GS1183	GUARA
GD193-B306	CONTI	335821H=	GS1026	GUARA	38X52X8.5!	GS1184	GUARA
GD193-B306B	CONTI	335821H=	GS1029	GUARA	6840S	GS1187	GUARA
GD193-B306C	CONTI	335821H=	GS1033	GUARA	3357	GS1190	GUARA
GE1142	ALLCH	471766!	GS1034	GUARA	7994S	GS1194	GUARA
GE1143	ALLCH	471735	GS1038	GUARA	7607	GS1198	GUARA
GEL3344	WHITE	471267	GS1042	GUARA	29129S	GS1201	GUARA
GG-335-32152	JOHND	472394	GS1044	GUARA	5699	GS1202	GUARA
GG33521109	JOHND	473225!	GS1046	GUARA	9150S	GS1202	GUARA
GG33530797	JOHND	473215!	GS1047	GUARA	2043	GS1203	GUARA
GG33531190	JOHND	471138!	GS1051	GUARA	4148	GS1204	GUARA
GG33532185	JOHND	472015!	GS1052	GUARA	5113	GS1205	GUARA
GGAHH103	SPICE	712000	GS1052	GUARA	7721!	GS1206	GUARA
GGAHH106	DANA	714512	GS1053	GUARA	9762S	GS1207	GUARA
GGAHH109	DANA	415088	GS1054	GUARA	8139	GS1211	GUARA
GJ1902F0	NOK	32X52X7!	GS1056	GUARA	6954S	GS1213	GUARA
GK2250	MASSE	471554!	GS1061	GUARA	8974S	GS1214	GUARA
GK3113	MASSE	472234	GS1063	GUARA	493291	GS1214	GUARA
GL1113	MASSE	410308!	GS1066	GUARA	493637	GS1215	GUARA
GL1172	MASSE	472924!	GS1068	GUARA	5109	GS1218	GUARA
GM28	LK-BT	472029	GS1070	GUARA	442380	GS1220	GUARA
GMR46	ALLCH	415041	GS1070	GUARA	471271!	GS1220	GUARA
GMR64	ALLCH	411253!	GS1071	GUARA	4250	GS1220	GUARA
GO1012	CLEVI	.BS+CS+HS7603S	GS1073	GUARA	416273!	GS1220	GUARA
GO1013	CLEVI	.BS+CS+HS7603S-1	GS1074	GUARA	5123	GS1221	GUARA
GO1A	ATP	451117N=	GS1076	GUARA	413248	GS1222	GUARA
GOO65930	FWD	417344!	GS1078	GUARA	415960	GS1226	GUARA
GOS633	PAARS	46470	GS1080	GUARA	411348!	GS1229	GUARA
GP1177	FORD	40566S	GS1084	GUARA	1192	GS1230	GUARA
GP3031	FORD	471413	GS1088	GUARA	1949	GS1231	GUARA
GP3034	FORD	40576S	GS1089	GUARA	1992	GS1233	GUARA
GP7770A	FORD	473229	GS1091	GUARA	1209	GS1234	GUARA
GP7798	FORD	471466!	GS1095	GUARA	1012	GS1236	GUARA
GPA1177	FORD	471835!	GS1095	GUARA	1012N	GS1237	GUARA
GPA7262	FORD	411394!	GS1101	GUARA	1174	GS1238	GUARA
GPW3591	FORD	353132	GS1101	GUARA	38X52X8.5!	GS1238	GUARA
GPW6701	FORD	5585S	GS1107	GUARA	1973	GS1238	GUARA
GPW6702	FORD	5585S	GS1107	GUARA	48X65X10!	GS1239	GUARA
GR2001	MASSE	472636!	GS1108	GUARA	1128	GS1240	GUARA
GS1000	GUARA	473317	GS1109	GUARA	227040	GS1241	GUARA
GS1001	GUARA	41257!	GS1109	GUARA	70X90X10!	GS1242	GUARA
GS1002	GUARA	7934S	GS1112	GUARA	224820	GS1246	GUARA
GS1003	GUARA	8705S	GS1112	GUARA	48X62X8!	GS1246	GUARA
GS1004	GUARA	4148	GS1113	GUARA	1110	GS1249	GUARA
GS1004	GUARA	471424!	GS1114	GUARA	1213N	GS1250	GUARA
GS1004	GUARA	9406S	GS1115	GUARA	482126	GS1251	GUARA
GS1005	GUARA	331301N	GS1118	GUARA	1174	GS1253	GUARA
GS1005	GUARA	9015S	GS1118	GUARA	38X52X8.5!	GS1253	GUARA
GS1006	GUARA	8121S	GS1120	GUARA	1952	GS1255	GUARA
GS1007	GUARA	6815	GS1121	GUARA	1012	GS1256	GUARA
GS1008	GUARA	8871	GS1121	GUARA	1012N	GS1257	GUARA
GS1009	GUARA	5121	GS1123	GUARA	1174	GS1258	GUARA
GS1010	GUARA	3087	GS1123	GUARA	38X52X8.5!	GS1259	GUARA
GS1011	GUARA	6840S	GS1125	GUARA	473230!	GS1260	GUARA
GS1012	GUARA	22404S	GS1132	GUARA	1196	GS1261	GUARA
GS1012	GUARA	40X62X12!	GS1133	GUARA	471737	GS1262	GUARA
GS1014	GUARA	1165	GS1134	GUARA	483793	GS1263	GUARA
GS1015	GUARA	1209	GS1138	GUARA	1209	GS1264	GUARA
GS1016	GUARA	1165	GS1145	GUARA	2002	GS1265	GUARA
GS1016	GUARA	1217	GS1146	GUARA	1985	GS1267	GUARA
GS1017	GUARA	1195	GS1147	GUARA	1986	GS1268	GUARA
GS1018	GUARA	224015	GS1159	GUARA	22404S	GS1269	GUARA
GS1019	GUARA	225020	GS1159	GUARA	40X62X12!	GS1270	GUARA
GS1019	GUARA	50X68X8!	GS1161	GUARA	442874	GS1272	GUARA
GS1020	GUARA	55X82X12!	GS1168	GUARA	203006!	GS1273	GUARA
GS1021	GUARA	1950	GS1170	GUARA	7780	GS1274	GUARA
GS1021	GUARA	224820	GS1171	GUARA	8243	GS1274	GUARA
GS1021	GUARA	48X62X8!	GS1173	GUARA	480630!	GS1275	GUARA
GS1276	GUARA	8660S	GS1276	GUARA	370023A	GS1276	GUARA
GS1277	GUARA	415447	GS1277	GUARA	1992	GS1277	GUARA
GS1279	GUARA	9116S	GS1279	GUARA	5756	GS1279	GUARA
GS1281	GUARA	3395!	GS1281	GUARA	415960	GS1281	GUARA
GS1282	GUARA	6966S	GS1282	GUARA	3210	GS1282	GUARA
GS1283	GUARA	471862	GS1283	GUARA	1165	GS1283	GUARA
GS1286	GUARA	8597S	GS1286	GUARA	370046A	GS1286	GUARA
GS1287	GUARA	9363S	GS1287	GUARA	471224!	GS1287	GUARA
GS1288	GUARA	470059	GS1288	GUARA	472560N	GS1288	GUARA
GS1288	GUARA	470380!	GS1288	GUARA	204017	GS1288	GUARA
GS1289	GUARA	7886S	GS1289	GUARA	473235	GS1289	GUARA
GS1290	GUARA	473228	GS1290	GUARA	40494S	GS1290	GUARA
GS1291	GUARA	470487!	GS1291	GUARA	472164	GS1291	GUARA
GS1292	GUARA	470059	GS1292	GUARA	472164!	GS1292	GUARA
GS1292	GUARA	470380!	GS1292	GUARA	472179	GS1292	GUARA
GS1293	GUARA	8940S	GS1293	GUARA	6781	GS1293	GUARA
GS1294	GUARA	415995!	GS1294	GUARA	203006!	GS1294	GUARA
GS1295	GUARA	8695S	GS1295	GUARA	44053	GS1295	GUARA
GS1296	GUARA	471821!	GS1296	GUARA	473450!	GS1296	GUARA
GS1297	GUARA	450143	GS1297	GUARA	1949	GS1297	GUARA
GS1298	GUARA	224015	GS1298	GUARA	472475	GS1298	GUARA
GS1301	GUARA	8835S	GS1301	GUARA	6064	GS1301	GUARA
GS1302	GUARA	40286	GS1302	GUARA	203034	GS1302	GUARA
GS1306	GUARA	224270	GS1306	GUARA	470712!	GS1306	GUARA
GS1306	GUARA	42X72X10!	GS1306	GUARA	1012	GS1306	GUARA
GS1307	GUARA	473234!	GS1307	GUARA	1012N	GS1307	GUARA
GS1310	GUARA	9178S	GS1310	GUARA	1960	GS1310	GUARA
GS1312	GUARA	9911S	GS1312	GUARA	45X62X8!	GS1312	GUARA
GS1315	GUARA	1012	GS1315	GUARA	471785!	GS1315	GUARA
GS1315	GUARA	1012N	GS1315	GUARA	451182	GS1315	GUARA
GS1318	GUARA	472747	GS1318	GUARA	8139	GS1318	GUARA
GS1319	GUARA	5458	GS1319	GUARA	5756	GS1319	GUARA
GS1320	GUARA	340823	GS1320	GUARA	40566S	GS1320	GUARA
GS1321	GUARA	473179	GS1321	GUARA	8430S	GS1321	GUARA
GS1322	GUARA	3604	GS1322	GUARA	473473	GS1322	GUARA
GS1322	GUARA	414045!	GS1322	GUARA	40316S	GS1322	GUARA
GS1323	GUARA	2689S	GS1323	GUARA	442874	GS1323	GUARA
GS1324	GUARA	9912	GS1324	GUARA	2669	GS1324	GUARA
GS1325	GUARA	3195	GS1325	GUARA	353135	GS1325	GUARA
GS1327	GUARA	9049	GS1327	GUARA	474278	GS1327	GUARA
GS1327	GUARA	9049N	GS1327	GUARA	6859S	GS1327	GUARA
GS1328	GUARA	8704S	GS1328	GUARA	3199	GS1328	GUARA
GS1330	GUARA	472144!	GS1330	GUARA	410496!	GS1330	GUARA
GS1332	GUARA	5113	GS1332	GUARA	416273!	GS1332	GUARA
GS1333	GUARA	472492!	GS1333	GUARA	471787	GS1333	GUARA
GS1334	GUARA	6465	GS1334	GUARA	1012	GS1334	GUARA
GS1338	GUARA	6077	GS1338	GUARA	1012N	GS1338	GUARA
GS1341	GUARA	6090S	GS1341	GUARA	8293S	GS1341	GUARA
GS1346	GUARA	412119!	GS1346	GUARA	416865!	GS1346	GUARA
GS1347	GUARA	412119!	GS1347	GUARA	3348	GS1347	GUARA
GS1348	GUARA	410987!	GS1348	GUARA	484054!	GS1348	GUARA
GS1348	GUARA	450686	GS1348	GUARA	6370N	GS1348	GUARA
GS1349	GUARA	416271!	GS1349	GUARA	484058	GS1349	GUARA
GS1350	GUARA	410825	GS1350	GUARA	9161	GS1350	GUARA
GS1351	GUARA	417480!	GS1351	GUARA	473812	GS1351	GUARA
GS1353	GUARA	5957S	GS1353	GUARA	8594S	GS1353	GUARA
GS1354	GUARA	415458!	GS1354	GUARA	8133S	GS1354	GUARA
GS1356	GUARA	455008	GS1356	GUARA	8549S	GS1356	GUARA
GS1357	GUARA	2222	GS1357	GUARA	51322	GS1357	GUARA
GS1359	GUARA	415960!	GS1359	GUARA	9569S	GS1359	GUARA
GS1359	GUARA	415960	GS1359	GUARA	42763	GS1359	GUARA
GS1360	GUARA	2081	GS1360	GUARA	9568	GS1360	GUARA
GS1361	GUARA	9864S	GS1361	GUARA	7687S	GS1361	GUARA
GS1362	GUARA	417158!	GS1362	GUARA	7245	GS1362	GUARA
GS1363	GUARA	417158!	GS1363	GUARA	471835!	GS1363	GUARA
GS1363	GUARA	9864S	GS1363	GUARA	450776!	GS1363	GUARA
GS1364	GUARA	417487	GS1364	GUARA	470898	GS1364	GUARA
GS1365	GUARA	3385	GS1365	GUARA	1974	GS1365	GUARA
GS1366	GUARA	6358	GS1366	GUARA	9344S	GS1366	GUARA
GS1368	GUARA	416292	GS1368	GUARA	8676S	GS1368	GUARA
GS1369	GUARA	415085!	GS1369	GUARA	9912	GS1369	GUARA
GS1369	GUARA	456648	GS1369	GUARA	3214	GS1369	GUARA

! Industrial Size/Type \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
GS1370	GUARA	415437	GTV005	RFT	713051	H1898	SPG	RD295	H70792	GAL	470898
GS1370	GUARA	415437!	GTV015	RFT	713007	H193	GN-TI	6283S	H749085	CASE	200339!
GS1371	GUARA	370033A	GTV017	RFT	713113	H2090	SPG	RD296	H75-HER12010	HERCU	412119
GS1372	GUARA	415958	GTV018	RFT	713034	H2110	SPG	RD411	H75296	JOHND	471808!
GS1372	GUARA	415958!	GTV019	RFT	713155	H2111	SPG	RD282	H85305	GAL	471271!
GS1373	GUARA	456618	GTV906	RFT	713040	H22981	JA-HE	471532	H861	PORTR	415991
GS1374	GUARA	417505	GTV907	RFT	713003	H2319A	GMC	473010!	H861	PORTR	455146!
GS1376	GUARA	473238!	GTV908	RFT	713043	H25051	JOHND	472354!	H94951	JOHND	JV1897=
GS1379	GUARA	223535	GTV913	RFT	713046	H2586B	JOHND	481163!	HA1198	HOUGH	471689!
GS1381	GUARA	1174	GTV917	RFT	713057	H26033065	VILA	1207	HA1199	HOUGH	473215!
GS1381	GUARA	38X52X8.5!	GTV919	RFT	713064	H26033065	VILA	1207N	HA1213	HOUGH	471795
GS1382	GUARA	2000	GTV923	RFT	713132	H275	OLIVE	50199S!	HA1217	HOUGH	471689!
GS1382	GUARA	224235	GTV925	RFT	713134	H275	OLIVE	6863S!	HA1405	HOUGH	474278
GS1382	GUARA	42X58X7!	GTV928	RFT	713076	H281	FABCO	415302	HA396	HOUGH	411394!
GS1383	GUARA	1188	GTV936	RFT	713024	H282	FABCO	473444	HA775	HOUGH	415027
GS1384	GUARA	1977	GTV939	RFT	713031	H311	TLSMI	471192	HA775	HOUGH	415027!
GS1386	GUARA	1181	GTV940	RFT	713063	H3110	TLSMI	415458!	HA889	HOUGH	415995!
GS1386	GUARA	41X56X7!	GTV941	RFT	713054	H31101	LEROI	450446	HB14262	EMSCO	50514
GS1387	GUARA	1180	GTV943	RFT	713095	H31103	TLSMI	455584	HB19009	EMSCO	415072
GS1387	GUARA	41X55X7!	GTV945	RFT	713036	H31104	TLSMI	455576!	HB19069	EMSCO	415124
GS1388	GUARA	1174	GTV946	RFT	713015	H31107	TLSMI	474278	HC1266	LETN	415045!
GS1388	GUARA	38X52X8.5!	GTV947	RFT	713079	H31124	TLSMI	416888!	HC1411	LETN	417344!
GS1391	GUARA	1174	GTV949	RFT	713100	H31129	TLSMI	415317	HC2071	LETN	473245!
GS1391	GUARA	38X52X8.5!	GTV951	RFT	713018	H31131	TLSMI	415035	HC32842	LETN	418028
GS1393	GUARA	1974	GTV952	RFT	713138	H31138	TLSMI	9568	HC32842	LETN	455137!
GS1394	GUARA	1994	GTV953	RFT	713128	H312	TLSMI	471821!	HC3908	LETN	415043
GS1394	GUARA	48X70X9!	GTV956	RFT	713123	H3120	TLSMI	416167!	HC4003	SPG	HU003A
GS1395	GUARA	1214	GTV960	RFT	713012	H3121	TLSMI	415311!	HC4005	SPG	HU005A
GS1395	GUARA	1214N	GTV961	RFT	713017	H313	TLSMI	472029	HC4007	SPG	HU007A
GS1397	GUARA	1208	GTV962	RFT	713023	H313249	AMC	415995!	HC4008	SPG	HU008A
GS1397	GUARA	48X72X7!	GTV966	RFT	713111	H31354	VIC	72665	HC4014	SPG	HU014A
GS1398	GUARA	1969	GTV967	RFT	713097	H3139	TLSMI	417211!	HC4044	SPG	HU044A
GS1398	GUARA	48X63X9!	GTV968	RFT	713062	H3143	TLSMI	415995!	HC4065	NATL	HU065A
GS1399	GUARA	8429S	GTV969	RFT	713053	H3148	TLSMI	415035	HC4075	SPG	H075
GS1400	GUARA	7686S	GTV970	RFT	713050	H3148	TLSMI	415035!	HC527	LETN	415035
GS1403	GUARA	473234!	GTV972	RFT	713045	H315	TLSMI	415991	HC544	LETN	412473!
GS1403	GUARA	473241	GTV980	RFT	713026	H315	TLSMI	455146!	HC7497	LETN	417563
GS1407	GUARA	450666	GTV987	RFT	713001	H3150	TLSMI	410496!	HC12312	AU-WS	470954!
GS1408	GUARA	5573	GTV998	RFT	713069	H3154	TLSMI	417254	HC12314	B-L-H	471224!
GS1409	GUARA	6241S	GTV999	RFT	713049	H3155	TLSMI	417554!	HC12315	B-L-H	415234!
GS1414	GUARA	417485	GW24014406	TROS	473235	H3157	TLSMI	417546!	HC12316	B-L-H	412040
GS1415	GUARA	5965	GX1538	MASSE	450165	H3158	TLSMI	415991	HC12316	CLARK	412040
GS1416	GUARA	415857!	GX1538	MASSE	471801!	H3158	TLSMI	455146!	HC12317	B-L-H	415449!
GS1417	GUARA	40185	GY2006W	JOHND	470625!	H318	TLSMI	472560N!	HC12317	CLARK	415449!
GS1418	GUARA	451948	H-9-K226	CONTI	471553!	H3193	TLSMI	415995!	HC12318	B-L-H	472572!
GS1419	GUARA	473214	H1005	DURA	471442!	H3199	TLSMI	6513	HC12318	CLARK	472572!
GS1420	GUARA	1188	H1028813	CUMMI	470712!	H324394	AMC	471649!	HC12319	B-L-H	415294!
GS1422	GUARA	6960	H1028821	CUMMI	471570!	H324395	AMC	471652	HC12319	CLARK	415294!
GS1423	GUARA	205015	H103666	CUMMI	473016!	H336842	CASE	471413!	HC13182	AU-WS	415072
GS1427	GUARA	473258!	H1110	OLIVE	472636!	H428839	CASE	416556!	HC1244	AU-WS	472636!
GS1429	GUARA	5131	H11773	ALLCH	471567!	H428839	CASE	472157	HC1279	AU-WS	55030
GS1434	GUARA	6960	H1240	MARMO	473231	H441	PORTR	417601	HC280	AU-WS	412473!
GS1435	GUARA	471192	H12477	GMC	473227	H441	TEXAS	417601	HC281	AU-WS	415449!
GS1482	GUARA	5699	H12478	GMC	240319	H442	PORTR	55301S	HC3129	AU-WS	471224!
GSE461	ALLCH	415001!	H1251442	LEROI	455151	H442	TEXAS	55301S	HC3129A	AU-WS	471224!
GTB5398	FORD	471141!	H1251443	LEROI	450054	H4622S	CASE	472144!	HC5091A	AU-WS	417538
GTB7269	FORD	450593!	H1251444	LEROI	471821!	H5035	KRSE	340900	HC5097	AU-WS	471270!
GTB7274	FORD	473215!	H1251446	LEROI	473435	H50490	KRSE	417343!	HC5098A	AU-WS	473227
GTN079	RFT	713058	H1251447	LEROI	50199S!	H504951	VIC	J1110=	HCT186	FMC	471316!
GTN082	RFT	713127	H1251447	LEROI	6863S!	H505055	VIC	J1112	HD1022	LETN	471141!
GTN109	RFT	713025	H125206	LEROI	472924!	H51240	MARMO	410308!	HD1107	LETN	455134
GTN110	RFT	713059	H125208	LEROI	455151	H54879	ITM	2007N	HD2620	LETN	417344!
GTN122	RFT	713070	H125209	LEROI	481073	H553	PORTR	416891!	HD4135	LETN	450911N!
GTN155	RFT	713073	H125210	LEROI	471821!	H55935	ITM	227410	HD41352	LETN	450911N!
GTP501	RFT	713030	H125212	LEROI	450039	H59039	ITM	473367	HD4136	LETN	455134
GTP506	RFT	713002	H137	IRON	474281!	H604637	SPICE	415995!	HD4272	LETN	415645!
GTP523	RFT	713029	H1443	OLIVE	470530!	H620A	HOUGH	415449!	HD4272	LETN	455104
GTP527	RFT	713035	H1443	WHITE	470530!	H620A	OLIVE	450593!	HD4488	LETN	455134
GTP528	RFT	713044	H153F	GN-TI	471750!	H687	PORTR	417273	HD44881	LETN	455134!
GTP537	RFT	713135	H154	MINNM	473243	H693	OLIVE	471141!	HD44882	LETN	455134!
GTV0035	RFT	713074	H1582	OLIVE	472185!	H706	PORTR	455330!	HD4496	LETN	417172
GTV004	RFT	713153	H165	AM BR	450040	H706	TEXAS	455330!	HD4565	LETN	415138!

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
HD4674 LETN	416107!	J15506HN JOHND	471224	JEJ40B304430 CINMI	473228	JV1142 VIC	TCS45912
HD4674 LETN	455073	J15881 JOHND	473228	JG1291 MARMO	471192	JV1174 VIC	TCS45958
HD5454 LETN	415035	J177061 CINMI	471192	JG2361 SPG	JG2361	JV1192 VIC	TCS45868
HD5586 LETN	417563	J2445 SPG	5370	JH20912 JA-HE	471760	JV1195 VIC	TCS45859
HD6845 LETN	417563	J2529 SPG	J2529	JH20917 JA-HE	473213!	JV13410 VIC	5414
HD68451 LETN	417563	J2608 SPG	J2608	JH20920 JA-HE	471646!	JV1601 VIC	BS40638
HD684512 WABCO	417563	J3170700 AMC	7687S	JH20921 JA-HE	350942	JV1603 VIC	2909
HD684513 WABCO	417563	J3208474 AMC	473452	JH20923 JA-HE	470590	JV1612 VIC	BS40620
HD68452 LETN	417563	J3238137 AMC	3942	JH20924 JA-HE	471554!	JV1615 VIC	BS40667
HD68453 LETN	417563	J32400086 CHRYS	9912	JH20927 JA-HE	471649!	JV1617 VIC	BS40604
HD68455 LETN	417563	J3240086 CHRYS	9912	JH20928 JA-HE	471646!	JV1618 VIC	BS40619
HD68456 LETN	417563	J3241669 AMC	3698	JH20938 JA-HE	471532	JV1619 VIC	BS40615
HD68457 LETN	417563	J4103 GMC	472560N!	JH20939 JA-HE	481537	JV1629 VIC	BS40182
HD684813 WABCO	417563	J4486140 AMC	313842	JH20940 JA-HE	350156	JV1633 VIC	BS40625
HE11072 LETN	455134	J501389 CHRYS	4370N	JH20940 JA-HE	473096	JV2019 SPG	5604
HE11074 LETN	455134	J51163 FULLE	471787!	JJ2560 SPG	J2560	JV500 VIC	2001
HG483 WITTE	472012	J51163 MARMO	471787!	JL2361 SPG	JL2361	JV500 VIC	60X82X12!
HG723 LETN	455734=	J51163 SPICE	471787!	JM172 LK-BT	476470	JV500 VIC	BS27493
HG7233 LETN	455734=	J51291 FULLE	471192	JMU149A BR-WN	471554!	JV503 VIC	227020
HH00031043 TLSMI	415995!	J51291 MARMO	471192	JN2521 DETRO	JN2521	JV503 VIC	70X88X8!
HK7010 LETN	417548	J51296 FULLE	415458!	JN2521 SPG	JN2521	JV506 VIC	227235
HL1305 LETN	417570	J51296 MARMO	415458!	JO13 ATP	7018N=	JV507 VIC	228005
HL153 GN-TI	441319	J51297 FULLE	472572!	JO57 ATP	9449	JV508 VIC	3698
HL16 HOLT	481163!	J51299 FULLE	472572!	JO0038066 FWD	415072	JV508 VIC	BS40110
HLX295 MASSE	240151	J51299 MARMO	472572!	JO0083065 FWD	415559	JV510 VIC	710205
HM371 LK-BT	482253	J5349457 AMC	710928	JR139 FMC	472439	JV510 VIC	BS16144
HM377 LK-BT	415023	J5356675 AMC	442874	JR139 LK-BT	472439	JV513 VIC	3772
HM59 LK-BT	415001!	J5359457 AMC	3173	JSX-99333 SPG	99333	JV518 VIC	BS40268
HO1092 LETN	415379=	J5365082 AMC	3945	JSX-99351 SPG	99351	JV523 VIC	2922RS
HO8 ATP	7300S	J6816980 CHRYS	224253	JSX-99372 SPG	99372	JV523 VIC	2942RS
HO9 ATP	7692S	J6X176 CATER	455079=	JSX-99437 SPG	99437	JV523 VIC	BS40380
HS282 HOUGH	473243	J802820 CASE	907104	JSX-99650 SPG	99650	JV523 VIC	BS40620
HS4537AH-1 CHRYS	415371	J8121397 AMC	722108	JSX99210 SPG	99210	JV523 VICRL	82001
HS925 HOUGH	474228	J8121399 WILYS	472397!	JSX99311 SPG	99311	JV525 VIC	BS40449
HU0464 SPG	HU110A	J8121781 AMC	710068	JSX99362 SPG	99362	JV525 VIC	BS40449-1
HWF009C SPG	HWF009A	J8124630 AMC	5131	JSX99367 SPG	99367	JV531 VIC	5210
HX43662 JOHND	471255!	J8124881 AMC	3638	JSX99599 SPG	99599	JV534 VIC	227235
HX44879 JOHND	471529	J8124893 AMC	9613S	JT265A MINNM	470059	JV534 VIC	228005
HY5A HOLT	6701=	J8125718 AMC	3638	JT265A MINNM	470380!	JV536 VIC	229005
HY694 HU-WR	417267	J8127350 AMC	722109	JT3005 MINNM	473010!	JV540 VIC	224250
HY704 HU-WR	471472!	J8127391 AMC	3638	JT3089 MINNM	450165	JV547 VIC	3893V
HYD-2-A6 FAIRB	470625!	J8128013 AMC	2443	JT3089 MINNM	471801!	JV547 VIC	39608
HYD-2-A7 FAIRB	417316!	J8128016 AMC	222820	JT3111 MINNM	471192	JV548 VIC	229005
ID306 IDECO	416229	J8128016 AMC	28X40X7!	JT3134 MINNM	472299	JV550 VIC	228700
ID30927 IDEAL	35127	J8129096 AMC	5131	JT367 MINNM	417316!	JV552 VIC	3698
ID30994 IDEAL	35094	J8130762 AMC	471737	JT467A MINNM	415995!	JV552 VIC	BS40110
IE3648 DENCO	473454	J8130762 CHRYS	471737	JT885 MINNM	417267	JV552 VICRL	82012
IN3216 CATER	5634	J8130808 AMC	472572	JT885A MINNM	472354!	JV553 VIC	3698
ISK76884 IH	416167!	J8130810 AMC	472572	JV-1055 VIC	710233	JV553 VIC	716445
IX223 GRAY	471255!	J8130870 AMC	3173	JV1000 VIC	TCS45635	JV553 VIC	BS40110
IXE446 GRAY	472439	J8130870 AMC	710928	JV1002 VIC	TCS45639-2	JV553 VIC	BS40578
J-0081 JEFF	473461!	J8130982 AMC	341022	JV1004 VIC	TCS45635	JV553 VICRL	82012
J0719273 AMC	223005	J8131669 AMC	711552	JV1006 VIC	TCS45635	JV556 VICRL	82016
J0719273 CHRYS	223005	J8131674 AMC	471466	JV1007 VIC	224250	JV557 VIC	BS40396
J0719273 RENA	223005	J8132672 AMC	472439	JV1015 VIC	225020	JV563 VIC	228009
J0719274 AMC	225020	J8132779 AMC	7412S	JV1023 VIC	224250	JV565 VIC	TCS45483
J0719274 CHRYS	225020	J8132822 AMC	483793	JV1025 VIC	223220	JV567 VIC	716102
J0719274 RENA	225020	J8132957 AMC	473442!	JV1036 VIC	224460	JV568 VIC	17746
J0742021 RENA	222267	J8133528 AMC	3638	JV1044 VIC	223012	JV569 VIC	17748
J0743161 RENA	228010	J8133643 AMC	341022	JV1054 VIC	1181	JV595 VIC	BS40583
J0853373 CHRYS	229005	J8134216 AMC	472319	JV1059 VIC	710332	JV596 VIC	40375
J0854842 RENA	1172	J8134446 AMC	710046	JV1059 VIC	TCS45719	JV600 VIC	5068
J0854852 RENA	1172	J8134478 AMC	3173	JV1062 VIC	710056	JV602 VIC	5095
J0859691 RENA	3771	J8134478 AMC	710928	JV1071 VIC	TCS45689	JV603 VIC	5092
J0938031 AMC	482267	J8134568 AMC	PSK-1	JV1072 VIC	224460	JV605 VIC	5127
J0998092 CHRYS	5778	J8134587 AMC	474127	JV1080 VIC	TCS45718	JV606 VIC	5414
J10544 JOHND	471570!	J8134587 CHRYS	474127	JV1102 VIC	TCS45914	JV606 VICRL	82016
J10544H JOHND	471570!	J8182957 AMC	473442!	JV1106 VIC	TCS45884	JV607 VIC	5650
J11692 JOHND	470954	JB5423 LETN	456799H=	JV1106 VIC	TCS45968	JV610 VIC	5132
J1190 SPG	JX1190	JB5423 WABCO	456799H=	JV1107 VIC	TCS45635	JV611 VIC	713750
J13672 JOHND	40169S	JC-1275136218 JN-CR	325940*=	JV1117 VIC	TCS45873-1	JV611 VIC	BS15868
J15506 JOHND	471224	JE9229 MINNM	471570!	JV1128 VIC	TCS45918	JV611 VIC	BS40509

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

JV611 – K321282RA

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
JV611	VIC	BS40592	JV860	VIC	5587	K12011AM	Y-T	474281!	K2757RRR	SPG	710006
JV611	VICRL	82011	JV861	VIC	5587	K12011AN	Y-T	472213	K2765P	CASE	80313
JV614	VIC	5117	JV870	VIC	472341!	K12011AP	Y-T	474281!	K2780P	CASE	200854
JV614	VICRL	82005	JV878	VIC	321460	K12011AR	Y-T	472185!	K2789P	CASE	200854
JV615	VIC	473573	JV883	VIC	9845	K12011AS	Y-T	470334!	K2900	AVCO	40360S!
JV617	VIC	473573	JV907	VIC	227550	K12011AT	Y-T	470334!	K2922CA	SPG	710046
JV617	VIC	5750	JV907	VIC	75X100X12!	K12011AU	Y-T	470334!	K2922S	SPG	710046
JV617	VICRL	82027	JV910	VIC	224520	K12011AV	Y-T	473447	K2942RRR	SPG	350936
JV618	VIC	5117	JV910	VIC	45X60X10!	K12011AW	Y-T	470334!	K2955RXO	SPG	2955
JV618	VIC	5118	JV914	VIC	3771	K12011AW	Y-T	50289	K300	PORTR	455197N
JV618	VICRL	82015	JV941	VIC	224460	K12011AX	Y-T	473447	K3008	CASE	6575S
JV619	VIC	3698	JV942	VIC	224460	K12011AZ	Y-T	473462	K301	PORTR	415351!
JV624	VIC	17720	JV943	VIC	224835	K12011BA	Y-T	472394	K3028R	SPG	473179
JV626	VIC	1945	JV944	VIC	224460	K12011BB	Y-T	472924!	K3028RER	SPG	473179
JV626	VIC	228480	JV945	VIC	224835	K12011BD	Y-T	470530!	K3028RXR	SPG	473179
JV627	VIC	228020	JV954	VIC	TCS45472	K12011BG	Y-T	472409!	K3028V	SPG	473179
JV627	VIC	80X105X13!	JV954	VIC	TCS45483	K12011BK	Y-T	455321	K3028VG2	SPG	471360
JV628	VIC	226020	JV956	VIC	710331	K12011BL	Y-T	471272!	K305	PORTR	416892!
JV628	VIC	60X80X8!	JV962	VIC	224250	K12011BM	Y-T	411253!	K30622	VIC	35224
JV629	VIC	227040	JV982	VIC	3476	K12011BN	Y-T	472029	K3083HN	SPG	3083
JV629	VIC	70X90X10!	JV983	VIC	3476	K12011BQ	Y-T	413248	K3103VXR	SPG	713103
JV629	VIC	BS25035	JV984	VIC	1108	K12011BR	Y-T	415458!	K31111	VIC	35418
JV634	VIC	227550	JV993	VIC	3459	K12011BS	Y-T	417082	K32003	ROSS	5458\$
JV634	VIC	75X100X12!	JV994	VIC	224460	K12011BU	Y-T	416921!	K320249VA	SPG	320249
JV636	VIC	BS16192	JV998	VIC	224250	K12011BV	Y-T	416921!	K320249VA1	SPG	320249
JV637	VIC	5591	JVE753	SPG	JV753	K12011BW	Y-T	416921!	K320259VD	SPG	320259
JV638	VIC	5112	JX1966+3501V	SPG	5666	K12011C	Y-T	471553!	K3202615	KY-CL	471554!
JV638	VIC	5112S	K-100111VA	SPG	4564V	K12011CB	Y-T	415027!	K320612RA	SPG	224025
JV638	VICRL	82024	K-4562-VA1	SPG	4562V	K12011CB	Y-T	415027	K320676RA	SPG	710345
JV640	VIC	224520	K-474241-V	SPG	474241V!	K12011G	Y-T	481568!	K320750VD	SPG	223420
JV640	VIC	45X60X10!	K-977122TD	SPG	977122	K12011H	Y-T	471231!	K320753R	SPG	223340
JV642	VIC	BS40382	K-997100TD	SPG	997100	K12011J	Y-T	481443!	K320759RA	SPG	712001
JV643	VIC	716102	K003896BXR	SPG	3896	K12011M	Y-T	481650	K32077	WHITE	323138!
JV644	VIC	228480	K100000	TIMKE	471570!	K12011N	Y-T	481650	K320802R	SPG	224020
JV648	VIC	BS1280	K100044CA	SPG	2007N	K12011R	Y-T	480210!	K320802RA	SPG	224020
JV650	VIC	5419	K100058TX	SPG	100058	K12011S	Y-T	471651	K320840RA	SPG	222025
JV650	VIC	BS5048	K100110VA	SPG	4563V	K12011V	Y-T	471765!	K320910RA	SPG	225020
JV656	VIC	BS1280	K100129R	SPG	712692	K12011Y	Y-T	471354!	K320910RA1	SPG	225020
JV658	VIC	BS5974	K100252TD	SPG	100252	K1256	PUL	412119!	K320910VD	SPG	225020
JV663	VIC	BS1280	K100253TD	SPG	100253	K13006	ROSS	471652	K320917RA	SPG	223014
JV664	VIC	5585	K100270TX	SPG	100270	K134-171	KEN	733111	K321152HA	SPG	1108
JV677	VIC	BS5974	K100294TD	SPG	100294	K1364	PUL	471554!	K321155RA	SPG	223750
JV683	VIC	5596=	K100296TD	SPG	100296	K1381	ROSS	472287!	K321155VD	SPG	223750
JV687	VIC	5585	K100348TD	SPG	100467	K13810	ROSS	472287!	K321155VD	SPG	321155
JV688	VIC	BS5155	K100352TD	SPG	100352	K1443	OLIVE	416921!	K321157	SPG	224460
JV690	VIC	5479	K100369VD	SPG	100369	K1447	FULLE	OK1000	K321157VD	SPG	321157
JV692	VIC	BS5974	K100447VA8	SPG	4278	K1450	FULLE	OK1000	K321158R	SPG	223012
JV698	VIC	BS5974	K100459TX	SPG	100459T	K14669	ROSS	471649!	K321165R	SPG	224650
JV699	VIC	5072	K100467TD	SPG	100467	K154	MINNM	472572!	K321165RA	SPG	224650
JV705	VIC	5072	K100497VA8	SPG	100497V	K1582	OLIVE	323138!	K321204V	SPG	223420
JV706	VIC	5092	K100497VA8	SPG	710452	K1588	OLIVE	410496!	K321204VG	SPG	223420
JV707	VIC	5390	K100664SSR	SPG	9599S	K1590	OLIVE	473436	K321208	SPG	321460
JV707P	VIC	5390	K100672V	SPG	350936	K1590	WHITE	473436	K321212RA	SPG	321212
JV708	VICRL	82022	K100686VXR	SPG	4189H	K1622	AVCO	200354	K321212RA	SPG	710316
JV710	VIC	5095	K100721R	SPG	1940	K1660	AVCO	471354!	K321214V	SPG	710164
JV712	VIC	5576	K100721RA	SPG	1940	K1715	AVCO	350909	K321220RA	SPG	222020
JV719	VIC	5591	K100733VD	SPG	710210	K1715	AVCO	471224!	K321220RA	SPG	710450
JV728	VIC	5337	K1110	OLIVE	415995!	K2002	FULLE	OK1000	K321229	SPG	712010
JV730	VIC	5095	K11223B	Y-T	450400	K2205RA	SPG	2205	K321236RA	SPG	1987
JV730	VICRL	82003	K12001D	Y-T	470954!	K2262	OLIVE	411	K321238RA	SPG	710318
JV730P	VIC	5116	K12011AA	Y-T	471750!	K2279H	SPG	415449	K321240RA	SPG	1038
JV730R	VIC	5108	K12011AD	Y-T	470774!	K229	PORTR	416345!	K321244RA	SPG	1953
JV732	VIC	BS1280	K12011AE	Y-T	470950!	K229	PORTR	455033	K321250RA	SPG	710310
JV741	VIC	5095	K12011AE	Y-T	6241S	K2375	PUL	470530!	K321250V	SPG	710310
JV742	VIC	5591	K12011AF	Y-T	473215!	K24004	ROSS	240356	K321251HA	SPG	223602
JV743	VIC	5111	K12011AG	Y-T	470625!	K2530	AVCO	471224!	K321251RA	SPG	710308
JV743	VIC	5111S	K12011AH	Y-T	470625!	K2532	AVCO	473232	K321266R	SPG	221710
JV743	VICRL	82017	K12011AJ	Y-T	470059	K2658HXX	SPG	2658	K321266RA	SPG	221710
JV745	VIC	5591	K12011AJ	Y-T	470380!	K2692RXR	SPG	350936	K321273R	SPG	221820
JV749	VIC	5095	K12011AK	Y-T	471820	K2693P	CASE	6833=	K321273RA	SPG	221820
JV821	VIC	5587	K12011AL	Y-T	470059	K2757R	SPG	2757N	K321282R	SPG	223831
JV844	VIC	5587	K12011AL	Y-T	470380!	K2757RA	SPG	2757N	K321282RA	SPG	223831

! Industrial Size/Type \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
K321287RA SPG	712001*	K4337 CASE	471264!	K5347 CASE	200878 =	K8169240AA18 GE	471554!
K321293RA SPG	223220	K435 TLSMI	415458!	K5348 CASE	JV1060 =	K8169240AA19 GE	471472!
K321295RA SPG	224020	K4445 AVCO	473231!	K5511 SPG	5732	K8169240AA2 GE	481537
K321298RA SPG	223802	K4458VA0 SPG	472324	K5513 SPG	39804	K8169240AA20 GE	350435
K321299R SPG	223800	K4529RER SPG	4529N	K565 PORTR	415991	K8169240AA21 GE	320457
K321299RA SPG	223800	K4538 AVCO	40520S	K565 PORTR	455146!	K8169240AA3 GE	330385!
K32129SRA SPG	224020	K4543VA1 SPG	476470	K566 BUTBN	415995!	K8169240AA5 GE	471539!
K321306H SPG	712007	K4544VA1 SPG	4544V	K5856 PUL	481864	K8169240AA6 GE	481073
K321306HA SPG	712007	K4582 AVCO	473445	K588 TLSMI	418028	K8169240AA7 GE	470954!
K321313R SPG	223010	K4583 AVCO	473235!	K588 TLSMI	455137!	K8169240AA8 GE	474277
K321313RA SPG	223010	K4598RE0 SPG	4598	K5950 FORD	471820	K8169240AB1 GE	471766!
K321364R SPG	710187	K4598RER SPG	4598	K600001 SPG	5728	K8169240AD3 GE	340413
K321364RA SPG	710187	K46 TMTTR	204002	K600015 SPG	901017	K8169240AD4 GE	330385
K321378R SPG	321378	K4635HX0 SPG	4635H	K600053 SPG	39887	K8169240AD5 GE	472560N
K321378RA SPG	710233	K4655 AVCO	471344	K600081 SPG	921633	K8169240AD8 GE	471224!
K321380R SPG	321380	K4655RER SPG	714655	K600156 SPG	901558	K818 BUTBN	472179
K321380RA SPG	223230	K4661 AVCO	42352S	K600169 SPG	417433	K844 PORTR	417601
K321382R SPG	226510	K470676RAR SPG	710345	K600211 SPG	600211	K8705301 RCA	471442!
K321382RA SPG	226510	K471113VJ SPG	471113V	K600254 SPG	39890	K8705302 RCA	455151
K321383RA SPG	710236	K471113VJR SPG	471113V	K600278 SPG	39900	K8705303 RCA	471749!
K321416R SPG	1205N	K471188RAR SPG	472492	K600300 SPG	907104	K8705304 RCA	416332!
K321416R SPG	321416	K471225RAR SPG	710263	K600308 SPG	600308	K8767 ROSS	471750!
K321416RA SPG	321416	K4727 CASE	200880 =	K600330 SPG	417433	K8768 ROSS	471224!
K321421H SPG	1172	K475937HGO SPG	415937	K600343 SPG	41163T	K8772152AA2 GE	330385!
K321421HA SPG	1172	K4813VDR SPG	4813V	K600374 SPG	907190	K901017TD SPG	901017
K321430R SPG	710355	K482 TLSMI	55155 =	K600376 SPG	39869	K901519TB SPG	473517
K321430RA SPG	710355	K4846VA8 SPG	3604	K600377 SPG	39869	K901534TD2 SPG	415303
K321433VD SPG	710399	K4846VA8 SPG	4846	K600382 SPG	39869	K901543TD SPG	417350
K3227RXR SPG	3227	K487397VGR SPG	487397V	K600386 SPG	907190	K901558TD SPG	901558
K3229964 KY-CL	417486	K4942R SPG	4072N	K600399 SPG	600399	K901558TD1 SPG	39882
K323324VG SPG	3476V	K4942RER SPG	4072N	K600403 SPG	5734	K901605TB SPG	39849
K324115R SPG	223235	K4950RER SPG	4950	K600414 SPG	416404	K902519TD2 SPG	39926
K324115RA SPG	223235	K501 PORTR	415645!	K600428 SPG	710926	K9028 PUL	472015!
K324151R SPG	710316	K501 PORTR	455104	K600454 SPG	600454	K904072TD0 SPG	904072
K324186H SPG	710190	K5010 AVCO	471413	K600L-200 CONTI	412119!	K904229TD SPG	904229
K324186HA SPG	710190	K502 PORTR	416865!	K620 MASSE	472439	K904301TDR SPG	470898
K324204VX SPG	324204	K503 TLSMI	473466	K620 OLIVE	472439	K904309TB SPG	39803
K325408R SPG	227410	K504 PORTR	416892!	K620 WHITE	472439	K904309TBR SPG	39803
K3273 AVCO	470625!	K5045 CASE	471224	K623448S CASE	470898	K907010TD SPG	907010
K327820HA SPG	228015	K506 PORTR	416881!	K623450 CASE	472015!	K907040TD SPG	39887
K3325179 KY-CL	415937!	K507 PORTR	455311	K63080 TIMKE	473214	K907040TD2 SPG	39887
K3365 AVCO	203006!	K5108219 KY-CL	205017	K65300 TIMKE	205009 =	K907041TD1 SPG	39887
K3382 AVCO	417509	K511 PORTR	415035	K6700846 KY-CL	471567!	K907068TD2 SPG	39886
K3385 AVCO	470088	K511 PORTR	415035!	K674 TLSMI	472560N!	K907084TD SPG	39900
K3487 AVCO	471689!	K5114335 KY-CL	415284	K679 BUTBN	415023	K907093TD SPG	39804
K3489 AVCO	471413	K5115454 KY-CL	417344	K682 BUTBN	470950!	K907104TB SPG	907104
K3517SSO SPG	9845	K5116224 KY-CL	473454	K682 BUTBN	6241S	K907159TD SPG	471267
K3517VXR SPG	9845V	K5116229A KOHL	415035 =	K687 BUTBN	472258!	K907186TB SPG	39869
K3557 AVCO	471787	K5117983 KY-CL	470954!	K693 OLIVE	455079!	K907188TB SPG	907188
K3600 FORD	200354	K5131329 KY-CL	470625!	K693 PORTR	415090	K907190TB SPG	907190
K36060 OLIVE	205004	K5134336 KOHL	482253 =	K694 PORTR	455290	K914413TDR SPG	914413
K36060 TIMKE	205004	K5134924 KY-CL	482069N	K694 TEXAS	455290	K917004TD2 SPG	41163T
K3700BXR SPG	7044NA	K515 PORTR	416229	K706165 WILYS	416738!	K917130TD SPG	39609
K3727RB SPG	1963	K5153373 KY-CL	417344!	K706165 WILYS	450096	K917238TD SPG	416404
K3732BXR SPG	3732S	K5154314 KY-CL	416271!	K734504 WILYS	410059	K921633TG SPG	921633
K37498K JOHND	471413	K516 PORTR	416107!	K734504 WILYS	470380!	K924057TD0 SPG	924057
K3891 AVCO	472164!	K516 PORTR	455073	K735996 WILYS	472560N	K924381TBR SPG	36384
K3892 AVCO	471192	K5161028 KY-CL	471570!	K769 PUL	476838!	K927112TD1 SPG	927112
K3990RA SPG	1990	K517 PORTR	417602!	K7931 CASE	6590S	K9331 ROSS	471570!
K4026RX SPG	4026	K517 TEXAS	417602!	K801077TD SPG	801077	K941001TB SPG	600211
K4027RER SPG	4072	K518 PORTR	415072	K8104558AB11 GE	470606!	K944080TDR SPG	471267
K4027RER SPG	4072N	K5192438 KY-CL	6370N	K8104558AB3 GE	481073	K944229TD SPG	944229
K4048 AVCO	203008	K5192439 KY-CL	J712	K8104558AB4 GE	474276!	K944349TD SPG	417433
K4072REK SPG	4072	K5196927 KY-CL	75251S	K8104558AB6 GE	471472!	K944349TD0 SPG	417433
K4072REK SPG	4072N	K5197860 KOHL	455251N	K8169240AA10 GE	471281!	K944379TB SPG	944379
K4074VJ0 SPG	3604	K521 PORTR	417596	K8169240AA11 GE	471103!	K944416TC SPG	944416
K415327V SPG	415327	K521 TEXAS	417596	K8169240AA13 GE	471255!	K947058TD SPG	39890
K4278BX SPG	4278	K522 TLSMI	473451!	K8169240AA14 GE	470590	K947058TD1 SPG	39890
K4278BXR SPG	4278	K5230007 KY-CL	471526!	K8169240AA15 GE	50199S!	K947119TD SPG	471255
K4278VJ0 SPG	4278	K5255 CASE	455019!	K8169240AA15 GE	6863S!	K947128TB SPG	600211
K4279 AVCO	450492	K5312 CASE	JV1019 =	K8169240AA16 GE	471255!	K95 PUL	415995!
K43 CASE	204002	K5318 CASE	200875 =	K8169240AA17 GE	471224!	K9502BJ0 SPG	7044NA

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
K9540BX1	SPG	472070	KWK99146	TIMKE	99146	KWK99267	TIMKE	99267	KWK99435	TIMKE	99435
K9674BXR	SPG	9674	KWK99147	TIMKE	99147	KWK99268	TIMKE	99268	KWK99437	TIMKE	99437
K9681	PUL	472439	KWK99149	TIMKE	99149	KWK99269	TIMKE	99269	KWK99439	TIMKE	99439
K972	PORTR	415072	KWK99150	TIMKE	99150	KWK99272	TIMKE	99272	KWK99450	TIMKE	99450
K99155TD1	SPG	39882	KWK99152	TIMKE	99152	KWK99273	TIMKE	99273	KWK99452	TIMKE	99452
K9C8483	CATER	416167=	KWK99155	TIMKE	99155	KWK99274	TIMKE	99274	KWK99463	TIMKE	99463
K9L8336	CATER	J1136	KWK99156	TIMKE	99156	KWK99275	TIMKE	99275	KWK99465	TIMKE	99465
K9L8340	CATER	415725!	KWK99157	TIMKE	99157	KWK99276	TIMKE	99276	KWK99468	TIMKE	99468
K9L8341	CATER	473474	KWK99160	TIMKE	99160	KWK99281	TIMKE	99281	KWK99472	TIMKE	99472
K9L8483	CATER	416167=	KWK99161	TIMKE	99161	KWK99282	TIMKE	99282	KWK99473	TIMKE	99473
KA1261	KELSE	417172	KWK99162	TIMKE	99162	KWK99286	TIMKE	99286	KWK99475	TIMKE	99475
KA62338	VICK	240731	KWK99165	TIMKE	99165	KWK99287	TIMKE	99287	KWK99487	TIMKE	99487
KAA09102001	KELSE	413247!	KWK99166	TIMKE	99166	KWK99289	TIMKE	99289	KWK99490	TIMKE	99490
KAA13269	JOHND	471224!	KWK99167	TIMKE	99167	KWK99290	TIMKE	99290	KWK99491	TIMKE	99491
KC4609	KOEK	415138!	KWK99168	TIMKE	99168	KWK99291	TIMKE	99291	KWK99492	TIMKE	99492
KD3665P	CASE	450456!	KWK99169	TIMKE	99169	KWK99292	TIMKE	99292	KWK99494	TIMKE	99494
KE406	MINNM	473236!	KWK99170	TIMKE	99170	KWK99293	TIMKE	99293	KWK99498	TIMKE	99498
KE532	WHITE	470954!	KWK99171	TIMKE	99171	KWK99294	TIMKE	99294	KWK99499	TIMKE	99499
KE7237	PUL	417344!	KWK99172	TIMKE	99172	KWK99296	TIMKE	99296	KWK99525	TIMKE	99525
KK5548R	SPG	6312	KWK99174	TIMKE	99174	KWK99298	TIMKE	99298	KWK99537	TIMKE	99537
KM552	KY-CL	415449!	KWK99175	TIMKE	99175	KWK99299	TIMKE	99299	KWK99549	TIMKE	99549
KO1	ATP	331107N	KWK99176	TIMKE	99176	KWK99300	TIMKE	99300	KWK99552	TIMKE	99552
KO3	ATP	7692S	KWK99177	TIMKE	99177	KWK99301	TIMKE	99301	KWK99575	TIMKE	99575
KT260A	MINNM	472179	KWK99179	TIMKE	99179	KWK99303	TIMKE	99303	KWK99587	TIMKE	99587
KT308A	MINNM	50191	KWK99180	TIMKE	99180	KWK99307	TIMKE	99307	KWK99595	TIMKE	99595
KT308B	MINNM	50191	KWK99181	TIMKE	99181	KWK99311	TIMKE	99311	KWK99596	TIMKE	99596
KT365A	MINNM	473464	KWK99184	TIMKE	99184	KWK99312	TIMKE	99312	KWK99599	TIMKE	99599
KT365A	MINNM	473464!	KWK99185	TIMKE	99185	KWK99313	TIMKE	99313	KWK99601	TIMKE	99601
KT458B	MINNM	476470	KWK99186	TIMKE	99186	KWK99315	TIMKE	99315	KWK99606	TIMKE	99606
KT738	PAYEN	35127	KWK99187	TIMKE	99187	KWK99317	TIMKE	99317	KWK99625	TIMKE	99625
KWK99049	TIMKE	99049	KWK99188	TIMKE	99188	KWK99322	TIMKE	99322	KWK99630	TIMKE	99630
KWK99050	TIMKE	99050	KWK99189	TIMKE	99189	KWK99324	TIMKE	99324	KWK99640	TIMKE	99640
KWK99056	TIMKE	99056	KWK99190	TIMKE	99190	KWK99325	TIMKE	99325	KWK99650	TIMKE	99650
KWK99058	TIMKE	99058	KWK99192	TIMKE	99192	KWK99326	TIMKE	99326	KWK99675	TIMKE	99675
KWK99059	TIMKE	99059	KWK99193	TIMKE	99193	KWK99328	TIMKE	99328	KWK99700	TIMKE	99700
KWK99060	TIMKE	99060	KWK99196	TIMKE	99196	KWK99331	TIMKE	99331	KWK99721	TIMKE	99721
KWK99062	TIMKE	99062	KWK99198	TIMKE	99198	KWK99333	TIMKE	99333	KWK99725	TIMKE	99725
KWK99068	TIMKE	99068	KWK99199	TIMKE	99199	KWK99334	TIMKE	99334	KWK99750	TIMKE	99750
KWK99076	TIMKE	99076	KWK99200	TIMKE	99200	KWK99337	TIMKE	99337	KWK99775	TIMKE	99775
KWK99078	TIMKE	99078	KWK99204	TIMKE	99204	KWK99338	TIMKE	99338	KWK99787	TIMKE	99787
KWK99080	TIMKE	99080	KWK99205	TIMKE	99205	KWK99339	TIMKE	99339	KWK99799	TIMKE	99799
KWK99081	TIMKE	99081	KWK99210	TIMKE	99210	KWK99340	TIMKE	99340	KWK99800	TIMKE	99800
KWK99082	TIMKE	99082	KWK99212	TIMKE	99212	KWK99347	TIMKE	99347	KX25261	JOHND	417487
KWK99085	TIMKE	99085	KWK99215	TIMKE	99215	KWK99349	TIMKE	99349	L-0001-003	IAPCO	1195
KWK99086	TIMKE	99086	KWK99218	TIMKE	99218	KWK99350	TIMKE	99350	L-0004-005	IAPCO	228480
KWK99087	TIMKE	99087	KWK99220	TIMKE	99220	KWK99351	TIMKE	99351	L-0006-005	IAPCO	716484
KWK99091	TIMKE	99091	KWK99225	TIMKE	99225	KWK99353	TIMKE	99353	L-0010-005	IAPCO	224520
KWK99094	TIMKE	99094	KWK99226	TIMKE	99226	KWK99354	TIMKE	99354	L-0010-008	IAPCO	229005
KWK99096	TIMKE	99096	KWK99227	TIMKE	99227	KWK99356	TIMKE	99356	L-0011-003	IAPCO	3677
KWK99098	TIMKE	99098	KWK99229	TIMKE	99229	KWK99359	TIMKE	99359	L-0013-007	IAPCO	1192
KWK99101	TIMKE	99101	KWK99230	TIMKE	99230	KWK99360	TIMKE	99360	L-0016-001	IAPCO	1196
KWK99103	TIMKE	99103	KWK99231	TIMKE	99231	KWK99362	TIMKE	99362	L-0016-002	IAPCO	494122
KWK99106	TIMKE	99106	KWK99233	TIMKE	99233	KWK99363	TIMKE	99363	L-0016-004	IAPCO	473237!
KWK99108	TIMKE	99108	KWK99235	TIMKE	99235	KWK99364	TIMKE	99364	L-0016-006	IAPCO	473237!
KWK99111	TIMKE	99111	KWK99237	TIMKE	99237	KWK99365	TIMKE	99365	L-0016-010	IAPCO	473258
KWK99112	TIMKE	99112	KWK99238	TIMKE	99238	KWK99367	TIMKE	99367	L-0016-011	IAPCO	473258
KWK99114	TIMKE	99114	KWK99240	TIMKE	99240	KWK99368	TIMKE	99368	L-0016-016	IAPCO	474134
KWK99118	TIMKE	99118	KWK99241	TIMKE	99241	KWK99369	TIMKE	99369	L-0017-001	IAPCO	1992
KWK99120	TIMKE	99120	KWK99242	TIMKE	99242	KWK99372	TIMKE	99372	L-0017-003	IAPCO	473823
KWK99122	TIMKE	99122	KWK99243	TIMKE	99243	KWK99374	TIMKE	99374	L-0017-005	IAPCO	1992
KWK99123	TIMKE	99123	KWK99248	TIMKE	99248	KWK99376	TIMKE	99376	L-0017-008	IAPCO	5108
KWK99125	TIMKE	99125	KWK99249	TIMKE	99249	KWK99387	TIMKE	99387	L-0020-001	IAPCO	1188
KWK99128	TIMKE	99128	KWK99250	TIMKE	99250	KWK99393	TIMKE	99393	L-0020-006	IAPCO	1188
KWK99129	TIMKE	99129	KWK99251	TIMKE	99251	KWK99395	TIMKE	99395	L-0020-008	IAPCO	3771
KWK99131	TIMKE	99131	KWK99253	TIMKE	99253	KWK99399	TIMKE	99399	L-0020-010	IAPCO	1979
KWK99133	TIMKE	99133	KWK99254	TIMKE	99254	KWK99400	TIMKE	99400	L-0020-015	IAPCO	228010
KWK99134	TIMKE	99134	KWK99256	TIMKE	99256	KWK99401	TIMKE	99401	L-0020-017	IAPCO	1188
KWK99138	TIMKE	99138	KWK99259	TIMKE	99259	KWK99412	TIMKE	99412	L-0020-022	IAPCO	1981
KWK99139	TIMKE	99139	KWK99260	TIMKE	99260	KWK99413	TIMKE	99413	L-0020-029	IAPCO	32X58X8!
KWK99141	TIMKE	99141	KWK99261	TIMKE	99261	KWK99418	TIMKE	99418	L-0020-031	IAPCO	2016
KWK99143	TIMKE	99143	KWK99262	TIMKE	99262	KWK99423	TIMKE	99423	L-0020-033	IAPCO	1128
KWK99144	TIMKE	99144	KWK99264	TIMKE	99264	KWK99424	TIMKE	99424	L-0020-038	IAPCO	1977

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
L-0020-041	IAPCO	L-0080-003	IAPCO	L0038007	IAPCO	L0065005	IAPCO
L-0020-043	IAPCO	L-0080-004	IAPCO	L0038009	IAPCO	L0065005	IAPCO
L-0020-044	IAPCO	L-0080-007	IAPCO	L0038009	IAPCO	L0065011	IAPCO
L-0020-045	IAPCO	L-0080-010	IAPCO	L0038012	IAPCO	L0065011	IAPCO
L-0020-048	IAPCO	L-0080-011	IAPCO	L0038012	IAPCO	L0066001	IAPCO
L-0020-049	IAPCO	L-0090-002	IAPCO	L0040005	IAPCO	L0066001	IAPCO
L-0020-050	IAPCO	L-4561-VA1	SPG	L0040005	IAPCO	L0066014	IAPCO
L-0020-051	IAPCO	L-4810-VA1	SPG	L0040005	IAPCO	L0066014	IAPCO
L-0022-003	IAPCO	L0001002	IAPCO	L0040005	IAPCO	L0066014	IAPCO
L-0022-006	IAPCO	L0001002	IAPCO	L0040019	IAPCO	L0070007	IAPCO
L-0022-013	IAPCO	L0004001	IAPCO	L0040019	IAPCO	L0070007	IAPCO
L-0022-019	IAPCO	L0004001	IAPCO	L0040023	IAPCO	L0070029	IAPCO
L-0026-008	IAPCO	L0010001	IAPCO	L0040023	IAPCO	L0071001	IAPCO
L-0026-011	IAPCO	L0010001	IAPCO	L0040024	IAPCO	L0071001	IAPCO
L-0026-012	IAPCO	L0010002	IAPCO	L0046001	IAPCO	L0071004	IAPCO
L-0026-014	IAPCO	L0010002	IAPCO	L0046001	IAPCO	L0071004	IAPCO
L-0026-016	IAPCO	L0010003	IAPCO	L0046002	IAPCO	L0080005	IAPCO
L-0026-021	IAPCO	L0010003	IAPCO	L0046002	IAPCO	L0080005	IAPCO
L-0026-022	IAPCO	L0010003	IAPCO	L0046004	IAPCO	L0090003	IAPCO
L-0026-023	IAPCO	L0010007	IAPCO	L0046004	IAPCO	L0090003	IAPCO
L-0029-001	IAPCO	L0010007	IAPCO	L0046006	IAPCO	L0090004	IAPCO
L-0029-002	IAPCO	L0010007	IAPCO	L0046006	IAPCO	L0090004	IAPCO
L-0029-008	IAPCO	L0010012	IAPCO	L0046009	IAPCO	L10 LETN	
L-0034-002	IAPCO	L0010012	IAPCO	L0046009	IAPCO	L10 LETN	
L-0038-010	IAPCO	L0010013	IAPCO	L0046010	IAPCO	L100052TD	SPG
L-0038-011	IAPCO	L0010013	IAPCO	L0046010	IAPCO	L100052TX	SPG
L-0038-013	IAPCO	L0016003	IAPCO	L0046011	IAPCO	L100052TX0	SPG
L-0040-010	IAPCO	L0016003	IAPCO	L0046011	IAPCO	L100065R	SPG
L-0040-018	IAPCO	L0016012	IAPCO	L0048007	IAPCO	L100065RER	SPG
L-0048-001	IAPCO	L0016012	IAPCO	L0048007	IAPCO	L100079R	SPG
L-0054-003	IAPCO	L0016014	IAPCO	L0048008	IAPCO	L100085TX	SPG
L-0054-005	IAPCO	L0016014	IAPCO	L0048008	IAPCO	L100086VJ	SPG
L-0054-015	IAPCO	L0016015	IAPCO	L0054008	IAPCO	L100086VJR	SPG
L-0058-003	IAPCO	L0016015	IAPCO	L0054008	IAPCO	L100095TD	SPG
L-0058-015	IAPCO	L0017004	IAPCO	L0058007	IAPCO	L100100VJ0	SPG
L-0061-001	IAPCO	L0017004	IAPCO	L0058007	IAPCO	L100100VJR	SPG
L-0061-004	IAPCO	L0017007	IAPCO	L0058008	IAPCO	L100189VJ	SPG
L-0061-005	IAPCO	L0017007	IAPCO	L0058008	IAPCO	L100200VJ	SPG
L-0061-013	IAPCO	L0020007	IAPCO	L0058009	IAPCO	L100202TD	SPG
L-0061-018	IAPCO	L0020007	IAPCO	L0058009	IAPCO	L100203TD	SPG
L-0061-019	IAPCO	L0020011	IAPCO	L0058010	IAPCO	L100204TD	SPG
L-0061-021	IAPCO	L0020011	IAPCO	L0058010	IAPCO	L100205TD	SPG
L-0061-022	IAPCO	L0020012	IAPCO	L0061002	IAPCO	L100239TD	SPG
L-0061-025	IAPCO	L0020012	IAPCO	L0061002	IAPCO	L100254TD	SPG
L-0061-031	IAPCO	L0020013	IAPCO	L0061006	IAPCO	L100266VA	SPG
L-0062-003	IAPCO	L0020013	IAPCO	L0061006	IAPCO	L100328TD0	SPG
L-0062-013	IAPCO	L0020014	IAPCO	L0061007	IAPCO	L100468TD	SPG
L-0062-014	IAPCO	L0020014	IAPCO	L0061007	IAPCO	L100607VD	SPG
L-0062-018	IAPCO	L0020018	IAPCO	L0061008	IAPCO	L100658HA	SPG
L-0062-021	IAPCO	L0020018	IAPCO	L0061008	IAPCO	L100729VD1	SPG
L-0062-022	IAPCO	L0020021	IAPCO	L0061009	IAPCO	L10190 MWKEL	
L-0062-023	IAPCO	L0020021	IAPCO	L0061009	IAPCO	L10190 MWKEL	
L-0062-025	IAPCO	L0020023	IAPCO	L0061010	IAPCO	L10191 MWKEL	
L-0062-026	IAPCO	L0020023	IAPCO	L0061010	IAPCO	L102 ITM	
L-0062-028	IAPCO	L0020036	IAPCO	L0061012	IAPCO	L1025 TLSMI	
L-0062-030	IAPCO	L0020036	IAPCO	L0061012	IAPCO	L103 LETN	
L-0065-006	IAPCO	L0020039	IAPCO	L0061015	IAPCO	L1032 TLSMI	
L-0065-007	IAPCO	L0020039	IAPCO	L0061015	IAPCO	L1091 TLSMI	
L-0065-008	IAPCO	L0020040	IAPCO	L0061016	IAPCO	L10963 PETTI	
L-0065-009	IAPCO	L0020040	IAPCO	L0061016	IAPCO	L1110 OLIVE	
L-0066-007	IAPCO	L0026010	IAPCO	L0061027	IAPCO	L1139 TLSMI	
L-0066-016	IAPCO	L0026010	IAPCO	L0061027	IAPCO	L11783 PETTI	
L-0070-001	IAPCO	L0038001	IAPCO	L0061029	IAPCO	L118973 CASE	
L-0070-002	IAPCO	L0038002	IAPCO	L0061029	IAPCO	L118978 CASE	
L-0070-003	IAPCO	L0038002	IAPCO	L0061030	IAPCO	L1193N JOHND	
L-0070-008	IAPCO	L0038003	IAPCO	L0061030	IAPCO	L1223 TLSMI	
L-0070-013	IAPCO	L0038003	IAPCO	L0061032	IAPCO	L1252 LEROI	
L-0070-021	IAPCO	L0038004	IAPCO	L0061032	IAPCO	L1253 LEROI	
L-0071-003	IAPCO	L0038004	IAPCO	L0061033	IAPCO	L126168 CASE	
L-0071-005	IAPCO	L0038006	IAPCO	L0061033	IAPCO	L126168 CASE	
L-0071-006	IAPCO	L0038006	IAPCO	L0062031	IAPCO	L126169 CASE	
L-0080-002	IAPCO	L0038007	IAPCO	L0062031	IAPCO	L128290 CASE	

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
L12830	GERL	472924!	L175	LETN	471231!	L31	LETN	471224!	L36	LETN	471649!
L1295	TLSMI	472560N!	L177	LETN	471785!	L31032	CASE	471554!	L3654VX	SPG	710056
L13	LETN	415021	L1787Q	FR-HT	240731	L31035	CASE	476424N	L3698VD	SPG	3698
L13199	GERL	455022	L18	LETN	471621!	L3197	LETN	415088	L370501	LETN	416229
L1326	LETN	415371	L180	LETN	473010!	L3197	LETN	415088!	L3725	LETN	473464
L133	LETN	415449!	L181	LETN	470334!	L32	LETN	455584	L3725	LETN	473464!
L1330	JOHND	472179	L182	LETN	417486	L320595HA	SPG	320595	L37255	LETN	473464
L1330C	JOHND	472179	L1823	JOHND	472492!	L320691VD	SPG	320691	L37255	LETN	473464!
L135	LETN	5865	L1823C	JOHND	474272	L320754R	SPG	222330	L3750	LETN	416229
L1354	LETN	5865	L183	LETN	417498	L320839VD	SPG	224205	L37502	LETN	416229
L1355	LETN	40389S	L19	LETN	472179	L321176H	SPG	710334	L38	LETN	415227!
L136	LETN	416332!	L193	LETN	415007	L321202HA	SPG	227045	L39	LETN	472287!
L137	LETN	472636!	L1949N	JOHND	472924!	L321209HA	SPG	222743	L3909VD	SPG	3909
L1391N	JOHND	240733	L196	LETN	471651	L321218HA	SPG	712008	L3953N	JOHND	471795
L14	LETN	415023	L197	LETN	416153!	L321241RA	SPG	228010	L3958	LETN	417020
L140	LETN	417343!	L198	LETN	417205!	L321278HA	SPG	710332	L4	LETN	415027!
L141	LETN	455151	L2	LETN	415124	L321283VD	SPG	710331	L4	LETN	415027
L1418	JOHND	471763	L20	LETN	472185!	L321312H	SPG	712009	L4003	LETN	415995!
L1419	JOHND	450129	L2015N	JOHND	471652	L321312HA	SPG	712009	L4040RA1	SPG	4040N
L1419	JOHND	472826!	L2029CU	JOHND	4148	L321365VD	SPG	1120	L415983RHR	SPG	713750
L142	LETN	415066	L2029CU	JOHND	471424!	L3238	FWD	481864	L43	LETN	473229
L1420	JOHND	471764!	L2031	CONTI	471554!	L323840H	SPG	710329	L4307V	SPG	4307V!
L1421	JOHND	450065	L21096	PETTI	473243	L325400V	SPG	325400V	L4333RAR	SPG	4333N
L144	LETN	417604	L2171	PETTI	415645!	L325426HA	SPG	710060	L4333RE0	SPG	4333N
L1443	OLIVE	472016	L2171	PETTI	455104	L325429H	SPG	1019	L4359V	SPG	4359V
L147	AVCO	456105	L21711	PETTI	472179	L325429HA	SPG	1019	L4370RAR	SPG	4370N
L147	LETN	415302	L21712	PETTI	470898!	L325588VD	SPG	710237	L44	LETN	470565!
L148	LETN	474253	L21715	PETTI	472397!	L325635VG	SPG	325635V	L4528RER	SPG	4528N
L149	AVCO	456105	L21717	PETTI	470625!	L325635VG	SPG	716102	L4530RER	SPG	4530
L15	LETN	416892!	L21720	PETTI	472164!	L325641HA0	SPG	228700	L4532RE	SPG	4532N
L150	LETN	472144!	L21726	PETTI	472924!	L325641VDO	SPG	228700	L46024	LETN	415035!
L151	LETN	415021	L2175S	SPG	2175	L325649HA	SPG	3698	L46024	LETN	415035
L153	LETN	412119!	L2178	PETTI	472636!	L325662VD	SPG	3698	L46025	LETN	476470
L154	LETN	417556	L2194RA	SPG	7692S	L325662VDO	SPG	3698	L46048	LETN	415036
L1544C	JOHND	472439	L2194RX	SPG	2194	L325662VDO	SPG	3698	L46050	LETN	415090
L155	LETN	473461!	L2194RX8	SPG	2194	L325663VD	SPG	2377	L4670RER	SPG	415449
L156	LETN	411253!	L2194RXR	SPG	2194	L325691H	SPG	229006	L471378	LAZOR	35292
L157	LETN	471554!	L22	LETN	415938	L325691HA	SPG	229006	L4741RER	SPG	4741
L158	LETN	471466!	L2202N	JOHND	472157!	L325694HA0	SPG	228009	L475	LETN	417273
L1586C	JOHND	240414	L2202N	JOHND	472157	L3257	HU-WR	471224!	L4764RAR	SPG	4764
L159	LETN	415058	L2234C	JOHND	471267!	L325707H	SPG	710056	L4765RAR	SPG	4765
L16	LETN	415138!	L2261V	SPG	2261	L325707HA	SPG	710056	L478L-316	CONTI	485725N
L160	LETN	473462	L2297V	SPG	2297	L325749VD	SPG	228010*	L48	LETN	417538
L161	LETN	472924!	L2297V	SPG	2297V!	L325749VD	SPG	325749V	L481033	LAZOR	35316
L162	LETN	240027=	L2326BN1	SPG	2326N	L327820HA	SPG	228009	L481343	LAZOR	35315
L1624	LETN	415001!	L2326RH	SPG	2326=	L327995VX	SPG	327995	L481378	LAZOR	35292
L16243	LETN	415001!	L23645	PETTI	6270	L327995VX	SPG	4307V	L481661	LAZOR	35292
L1625	LETN	473464!	L24	LETN	416738!	L328050V	SPG	228005	L482145	LAZOR	35316
L1625	LETN	473464	L24	LETN	450096	L328051R	SPG	710060	L485457VD	SPG	2377
L1636C	JOHND	254287!	L2465RER	SPG	2465	L328052V	SPG	710075	L485457VDR	SPG	2377
L1638C	JOHND	471224	L2465RRR	SPG	2465	L328053V	SPG	710232	L49-6027	LAZOR	1981
L1639	LETN	416921!	L25	LETN	474265	L328054V	SPG	227235	L49-7002	LAZOR	224835
L164	LETN	415058	L2551BT	SPG	2551	L328059VDO	SPG	40375	L49-7010	LAZOR	225880
L1648	LETN	412119!	L26	LETN	416107!	L33034	CASE	416070	L49-7029	LAZOR	225020
L16483	LETN	412119!	L26	LETN	455073	L33070	CASE	415458!	L49-7037	LAZOR	1994
L165	LETN	473214	L27	LETN	416476!	L3312	LETN	417498	L49-7061	LAZOR	1953
L1650	LETN	416229	L2776	LETN	416891!	L331210VG0	SPG	331210V	L49-7072	LAZOR	1992
L1661A	LETN	455310	L28	LETN	416229	L33259	CASE	416125!	L49-7088	LAZOR	223830
L167	LETN	473467	L2854RA	SPG	2854	L33282	CASE	473473	L49-7118	LAZOR	1994
L1692	JOHND	473421	L2854RA4	SPG	2854	L33535	CASE	416795N=	L49-7126	LAZOR	710318
L170011	PETTI	473243	L2867VA	SPG	2867V=	L34	LETN	417546!	L49-7142	LAZOR	224560
L170012	PETTI	471692!	L287	LETN	415196!	L34033	CASE	471341	L49-7150	LAZOR	228005
L170015	PETTI	450143	L2872	LETN	415196!	L3411N	JOHND	471407	L49-7169	LAZOR	224465
L170016	PETTI	473460	L2873	LETN	415196!	L3418	LETN	415034!	L49-7177	LAZOR	228005
L170019	PETTI	473245!	L29	LETN	416239!	L35	LETN	416865!	L49-7185	LAZOR	224460
L17002	PETTI	472394	L3	LETN	471766!	L350589VD	SPG	473573	L49-7215	LAZOR	227410
L170025	PETTI	412027	L30	LETN	474265	L350589VG	SPG	473573	L49-7215	LAZOR	BS40381
L17004	PETTI	412119!	L30014	CASE	470898	L35226	CASE	415196=	L49-7258	LAZOR	226840
L17005	PETTI	471272!	L304	LETN	416666	L35250	CASE	413248	L49-7266	LAZOR	227020
L17007	PETTI	416888!	L30489	CASE	473459	L3541X	MASSE	472185!	L49-7274	LAZOR	228020
L17008	PETTI	415294!	L30578	CASE	481336=	L355778R	SPG	227040	L49-7282	LAZOR	1021V
L173	LETN	481650	L30659	CASE	8907	L355778RA	SPG	227040	L49-7282	LAZOR	BS40265

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
L49-7304	LAZOR	228010	L49-9013	LAZOR	228009	L600357	SPG	5288	L81-6426	LAZOR	222050
L49-7320	LAZOR	712006	L49-9102	LAZOR	227235	L600361C	SPG	600361	L81-6434	LAZOR	710076
L49-7320	LAZOR	BS27493	L49-9102	LAZOR	228005	L600370	SPG	5290	L81-6469	LAZOR	3771
L49-7380	LAZOR	227045	L49-9129	LAZOR	3771	L600389	SPG	600389	L81-6477	LAZOR	222540
L49-7388	LAZOR	227045	L49-9137	LAZOR	223018	L600394	SPG	600394	L81-6493	LAZOR	1981
L49-7410	LAZOR	228010	L49-9145	LAZOR	223750	L600398	SPG	600398	L81-6507	LAZOR	2016
L49-7428	LAZOR	231004	L49-9145	LAZOR	224460	L600400+93430430	SPG	600400	L81-6515	LAZOR	3771
L49-7428	LAZOR	BS16192	L49-9153	LAZOR	223750	L600402	SPG	39889	L81-6531	LAZOR	712011
L49-7436	LAZOR	3771	L49-9153	LAZOR	224460	L600406	SPG	5291	L81-6558	LAZOR	32X58X8!
L49-7444	LAZOR	222820	L49-9293	LAZOR	712008	L600428	SPG	710927	L81-6566	LAZOR	1979
L49-7444	LAZOR	710325	L49-9307	LAZOR	223420	L600451	SPG	600451	L81-6590	LAZOR	1173
L49-7452	LAZOR	222743	L49-9315	LAZOR	710271	L600477	SPG	5742	L81-6604	LAZOR	223830
L49-7479	LAZOR	223831	L49-9390	LAZOR	223802	L600478	SPG	5741	L81-6612	LAZOR	223542
L49-7533	LAZOR	8316	L49-9420	LAZOR	1989	L600501	SPG	600501	L81-6620	LAZOR	1167
L49-7568	LAZOR	223020	L49-9447	LAZOR	228015	L600504	SPG	600504	L81-6647	LAZOR	1974
L49-7592	LAZOR	228009	L49061	LETN	415047	L600504	SPG	600505	L81-6680	LAZOR	1128
L49-7606	LAZOR	224025	L497231	LAZOR	228020	L600509	SPG	600509	L81-6698	LAZOR	222025!
L49-7622	LAZOR	223340	L497312	LAZOR	2001	L61	LETN	456105	L81-6728	LAZOR	1989
L49-7630	LAZOR	223602	L497312	LAZOR	60X82X12!	L620	OLIVE	473234	L81-6736	LAZOR	1981
L49-7640	LAZOR	223340	L497398	LAZOR	227550	L620	WHITE	473234!	L81-6744	LAZOR	1167
L49-7649	LAZOR	1038	L497398	LAZOR	75X100X12!	L620B	OLIVE	471692!	L81-6752	LAZOR	223240
L49-7657	LAZOR	1021V	L4973VJO	SPG	4765	L63	LETN	412861	L81-6779	LAZOR	1177
L49-7657	LAZOR	BS40265	L497401	LAZOR	228010	L64	LETN	471763	L81-6787	LAZOR	1177
L49-7665	LAZOR	1019	L498220	LAZOR	BS16192-1	L67	LETN	55222=	L81-6795	LAZOR	1177
L49-7665	LAZOR	BS40387	L5	LETN	411376!	L69102	LETN	476470	L81-6817	LAZOR	1176
L49-7673	LAZOR	224025	L50	LETN	416476!	L69105	LETN	416345!	L81-6825	LAZOR	1177
L49-7681	LAZOR	710060	L51	LETN	471442!	L69105	LETN	455033	L81-6850	LAZOR	1959
L49-7681	LAZOR	BS40449	L5162	SPG	4359V	L693	OLIVE	412943	L81-6868	LAZOR	414045!
L49-7690	LAZOR	223235	L5188	GERL	472185!	L7	LETN	472397!	L81-6884	LAZOR	1960
L49-7703	LAZOR	1987	L5259	LETN	416888!	L70	LETN	415988	L81-6922	LAZOR	1956
L49-7738	LAZOR	713771	L5260	LETN	416239!	L71	LETN	415072	L81-6930	LAZOR	1196
L49-7754	LAZOR	227610	L5261	LETN	416107!	L73	LETN	471570!	L81-6949	LAZOR	494122
L49-7754	LAZOR	BS40268	L5261	LETN	455073	L7413RXXR	SPG	9613S	L81-6957	LAZOR	474134
L49-7762	LAZOR	710060	L5262	LETN	470059	L75	LETN	473228	L81-6981	LAZOR	413818
L49-7770	LAZOR	227235	L5262	LETN	470380!	L76	LETN	473228	L81-7007	LAZOR	1952
L49-7789	LAZOR	228005	L5263	LETN	415090	L77	LETN	417487	L81-7015	LAZOR	473367
L49-7878	LAZOR	228005	L5264	LETN	417247!	L7735502	GMC	340872	L81-7023	LAZOR	1938
L49-7886	LAZOR	229006	L5272	SPG	600305	L78	LETN	471567!	L81-7031	LAZOR	1952
L49-7932	LAZOR	222330	L5273	SPG	5273	L8	LETN	415991	L81-7040	LAZOR	1943
L49-7975	LAZOR	221820	L5274	SPG	5274	L8	LETN	455146!	L81-7058	LAZOR	1952
L49-8009	LAZOR	223220	L5277	SPG	5277	L80	LETN	417602!	L81-7066	LAZOR	1949
L49-8017	LAZOR	1217	L5278	SPG	5278	L801010TD	SPG	977105	L81-7082	LAZOR	1992
L49-8025	LAZOR	228700	L5279	SPG	5279	L801018TD	SPG	5288	L81-7090	LAZOR	225230
L49-8041	LAZOR	222020	L5287	SPG	5287	L81-6000	LAZOR	223240	L81-7112	LAZOR	3771
L49-8050	LAZOR	223801!	L5291	SPG	5291	L81-6019	LAZOR	223014	L81-7139	LAZOR	1884
L49-8069	LAZOR	1953	L5492	LETN	415379!	L81-6027	LAZOR	223014	L81-7147	LAZOR	1977
L49-8165	LAZOR	710331	L5492	LETN	415379	L81-6035	LAZOR	2506	L81-7171	LAZOR	1188
L49-8173	LAZOR	710332	L5514	SPG	39807	L81-6043	LAZOR	473258	L81-7198	LAZOR	1183
L49-8173	LAZOR	TCS45719	L5621	LETN	416107!	L81-6060	LAZOR	225110	L81-7244	LAZOR	1948
L49-8181	LAZOR	710331	L5621	LETN	455073	L81-6078	LAZOR	2016	L81-7279	LAZOR	224015
L49-8221	LAZOR	710310	L5638	GERL	473467	L81-6116	LAZOR	2007N	L81-7295	LAZOR	225220
L49-8564	LAZOR	229005	L5754	LETN	415041	L81-6124	LAZOR	350609	L81-7309	LAZOR	710323
L49-8572	LAZOR	223800	L58	LETN	415645!	L81-6132	LAZOR	350609	L81-7317	LAZOR	444116
L49-8599	LAZOR	1981	L58	LETN	455104	L81-6140	LAZOR	221207	L81-7325	LAZOR	1986
L49-8602	LAZOR	228015	L6	LETN	415187	L81-6167	LAZOR	473367	L81-7341	LAZOR	1939
L49-8653	LAZOR	710310	L600012	SPG	600012	L81-6175	LAZOR	494117	L81-7368	LAZOR	224015
L49-8696	LAZOR	223420	L600016	SPG	600016	L81-6183	LAZOR	473812	L81-7384	LAZOR	334111
L49-8700	LAZOR	223605	L600047	SPG	917034	L81-6191	LAZOR	1994	L81-7392	LAZOR	226285
L49-8750	LAZOR	223012	L600095	SPG	39880	L81-6205	LAZOR	1987	L81-7414	LAZOR	224210
L49-8777	LAZOR	223420	L600095	SPG	600095	L81-6213	LAZOR	1990	L81-7430	LAZOR	224255
L49-8793	LAZOR	224835	L600255	SPG	39888	L81-6248	LAZOR	1994	L81-7449	LAZOR	224255
L49-8823	LAZOR	223750	L600278	SPG	39899	L81-6256	LAZOR	223542	L81-7465	LAZOR	712551
L49-8831	LAZOR	229005	L600305	SPG	600305	L81-6256	LAZOR	473823	L81-7473	LAZOR	2009
L49-8904	LAZOR	228480	L600314	SPG	39608	L81-6264	LAZOR	222430	L81-7481	LAZOR	2007N
L49-8912	LAZOR	710318	L600319	SPG	600319	L81-6272	LAZOR	2008	L81-7490	LAZOR	2007N
L49-8939	LAZOR	229006	L600329	SPG	39880	L81-6280	LAZOR	1990	L81-7503	LAZOR	4989
L49-8955	LAZOR	710187	L600345	SPG	947090	L81-6299	LAZOR	712011	L81-7511	LAZOR	2003N!
L49-8963	LAZOR	1981	L600347	SPG	39805	L81-6302	LAZOR	2025	L81-7538	LAZOR	225650
L49-8971	LAZOR	710332	L600348	SPG	917034	L81-6345	LAZOR	224820	L81-7546	LAZOR	225540
L49-8980	LAZOR	1181	L600353	SPG	600353	L81-6353	LAZOR	1984	L81-7554	LAZOR	1960
L49-8998	LAZOR	713771	L600355	SPG	600355	L81-6361	LAZOR	222745	L81-7570	LAZOR	1949
L49-9005	LAZOR	228008	L600356	SPG	39889	L81-6388	LAZOR	223830	L81-7589	LAZOR	413818

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
L81-7619	LAZOR	223608	L81-8925	LAZOR	223240	L816418	LAZOR	32X52X7!	L90	LETN	416339
L81-7627	LAZOR	320583	L81-8933	LAZOR	226285	L816442	LAZOR	223830	L90	LETN	455031!
L81-7643	LAZOR	2025	L81-8941	LAZOR	710110	L816442	LAZOR	38X52X8.5!	L901019TD	SPG	39807
L81-7653	LAZOR	1176	L81-8950	LAZOR	224210	L816450	LAZOR	223840	L901620TD0	SPG	39880
L81-7660	LAZOR	1990	L81-8976	LAZOR	1955	L816450	LAZOR	38X58X8!	L901620TD1	SPG	39881
L81-7694	LAZOR	3771	L81-8984	LAZOR	710092	L816485	LAZOR	223430	L901644TD	SPG	39701
L81-7708	LAZOR	2025	L81-9000	LAZOR	710337	L816485	LAZOR	710417	L902524TD2	SPG	39044
L81-7724	LAZOR	1987	L81-9305	LAZOR	4990	L816540	LAZOR	223555	L903	LETN	416339
L81-7732	LAZOR	1992	L81-9310	LAZOR	224810	L816540	LAZOR	35X64X8!	L903	LETN	455031!
L81-7732	LAZOR	224560	L81-9336	LAZOR	224235	L816582	LAZOR	223542	L904087TD0	SPG	904087
L81-7732	LAZOR	224820	L81-9344	LAZOR	1932	L816582	LAZOR	35X55X11!	L904301TDR	SPG	470898
L81-7759	LAZOR	224820	L81-9387	LAZOR	225082	L816639	LAZOR	224045	L904365TB	SPG	39723
L81-7767	LAZOR	224100	L81-9395	LAZOR	225230	L816639	LAZOR	40X62X12!	L904378TD	SPG	39825
L81-7775	LAZOR	5695	L81-9409	LAZOR	710309	L816655	LAZOR	224270	L907025TD1	SPG	39801
L81-7783	LAZOR	5696	L81-9417	LAZOR	710093	L816655	LAZOR	42X72X10!	L907042TD1	SPG	39888
L81-7791	LAZOR	1985	L81-9441	LAZOR	710107	L816663	LAZOR	224045	L907059TD	SPG	39888
L81-7813	LAZOR	224772	L81-9450	LAZOR	710128	L816663	LAZOR	40X62X12!	L907059TD2	SPG	39888
L81-7830	LAZOR	223543!	L81-9468	LAZOR	710108	L816671	LAZOR	1181	L907087TD	SPG	39899
L81-7848	LAZOR	223608	L81-9476	LAZOR	710072	L816671	LAZOR	41X56X7!	L907087TD0	SPG	39899
L81-7864	LAZOR	2016	L81-9484	LAZOR	710126	L816701	LAZOR	222535	L907088TD2	SPG	39885
L81-7902	LAZOR	223840	L81-9492	LAZOR	710131	L816701	LAZOR	25X38X7!	L907091TD	SPG	5721
L81-7910	LAZOR	224570	L81-9506	LAZOR	710176	L816760	LAZOR	223542	L907091TD	SPG	907091
L81-7929	LAZOR	451845	L81-9514	LAZOR	710069	L816760	LAZOR	35X55X11!	L907148TD0	SPG	907148
L81-7945	LAZOR	225230	L81-9557	LAZOR	1174	L816809	LAZOR	223840	L907155TD	SPG	907155
L81-7961	LAZOR	1960	L81-9557	LAZOR	710309	L816809	LAZOR	38X58X8!	L907158TD0	SPG	39889
L81-7970	LAZOR	1956	L81-9565	LAZOR	710168	L816833	LAZOR	1180	L911011TD	SPG	911011
L81-7988	LAZOR	224560	L81-9581	LAZOR	320603	L816833	LAZOR	41X55X7!	L9116	GERL	472397!
L81-7996	LAZOR	229005	L81-9590	LAZOR	224820	L816841	LAZOR	224560	L9117	GERL	470059
L81-8003	LAZOR	710316	L81-9603	LAZOR	225673	L816841	LAZOR	45X68X7!	L9117	GERL	470380!
L81-8011	LAZOR	223800	L81-9611	LAZOR	4899	L816906	LAZOR	1955	L914411TDR	SPG	914411
L81-8062	LAZOR	223580	L81-9620	LAZOR	5700	L816906	LAZOR	52X65X9!	L914412TDR	SPG	914412
L81-8070	LAZOR	1981	L81-9638	LAZOR	1935	L816965	LAZOR	225010	L917009TD	SPG	39608
L81-8097	LAZOR	222742	L81-9646	LAZOR	1928	L816965	LAZOR	50X65X8!	L917034TD	SPG	917034
L81-8100	LAZOR	222220	L81-9654	LAZOR	225230	L816973	LAZOR	1973	L917117TD0	SPG	917117
L81-8127	LAZOR	222540	L81-9662	LAZOR	4899	L816973	LAZOR	48X65X10!	L917157TD	SPG	917157
L81-8143	LAZOR	1990	L81-9689	LAZOR	1036	L817074	LAZOR	1213N	L921648TD	SPG	39815
L81-8151	LAZOR	1987	L81-9697	LAZOR	222830	L817155	LAZOR	1973	L924371TD	SPG	924371
L81-8160	LAZOR	223831	L81-9708	LAZOR	224210	L817155	LAZOR	48X65X10!	L924380TD	SPG	39827
L81-8178	LAZOR	4901	L81-9719	LAZOR	224045	L817180	LAZOR	1174	L924404TD	SPG	924404
L81-8194	LAZOR	1126	L81-9727	LAZOR	710147	L817180	LAZOR	38X52X8.5!	L927013TD	SPG	927013
L81-8208	LAZOR	1180	L81-9727	LAZOR	710161	L817252	LAZOR	224820	L927112TD0	SPG	927113
L81-8216	LAZOR	42X55X8!	L81-9743	LAZOR	494123	L817252	LAZOR	48X62X8!	L927120TD	SPG	927120
L81-8232	LAZOR	710097	L81-9751	LAZOR	5131	L817260	LAZOR	1948	L927312TD	SPG	927312
L81-8259	LAZOR	710146	L81-9760	LAZOR	224510	L817260	LAZOR	50X68X8!	L93	LETN	471689!
L81-8267	LAZOR	5686	L81-9803	LAZOR	225535	L817287	LAZOR	55X82X12!	L934	JOHND	472924!
L81-8275	LAZOR	225035	L81-9816	LAZOR	710292	L817333	LAZOR	226285	L941018TD	SPG	600016
L81-8283	LAZOR	710072	L81-9829	LAZOR	225208	L817333	LAZOR	62X85X8!	L941619TD1	SPG	39880
L81-8291	LAZOR	239201	L81-9883	LAZOR	4990	L817350	LAZOR	1213N	L944211TD	SPG	471192
L81-8291	LAZOR	4175	L81-9905	LAZOR	225450	L817376	LAZOR	1181	L944387TD	SPG	39732
L81-8305	LAZOR	1948	L81-9913	LAZOR	4989	L817376	LAZOR	41X56X7!	L947061TD0	SPG	39889
L81-8313	LAZOR	225650	L81-9913	LAZOR	710209	L817406	LAZOR	223605	L947061TD2	SPG	39889
L81-8330	LAZOR	225872	L812	JOHND	415001!	L817406	LAZOR	36X50X7!	L947090TD	SPG	5722
L81-8348	LAZOR	474134	L812C	JOHND	415001!	L817520	LAZOR	225110	L947090TD	SPG	947090
L81-8356	LAZOR	710309	L816051	LAZOR	224570	L817520	LAZOR	51X65X7!	L947090TD0	SPG	947090
L81-8364	LAZOR	225875	L816051	LAZOR	45X72X12!	L817562	LAZOR	1174	L947193TD	SPG	947193
L81-8372	LAZOR	225225	L816108	LAZOR	1953	L817562	LAZOR	38X52X8.5!	L952537TDI	SPG	39861
L81-8380	LAZOR	224820	L816108	LAZOR	42X60X7!	L817635	LAZOR	1213N	L9578	GERL	473245!
L81-8399	LAZOR	710194	L816221	LAZOR	474133	L818186	LAZOR	225875	L977105TD	SPG	977105
L81-8410	LAZOR	224400	L816230	LAZOR	1214	L818186	LAZOR	58X75X11!	L977168TX0	SPG	600361
L81-8429	LAZOR	224400	L816230	LAZOR	1214N	L818240	LAZOR	1213N	L9780	LETN	473426
L81-8437	LAZOR	710098	L816310	LAZOR	1215	L819360	LAZOR	1207	L9791	LETN	471442!
L81-8445	LAZOR	224254	L816310	LAZOR	1215N	L819360	LAZOR	1207N	L997101TD	SPG	997101
L81-8453	LAZOR	1180	L816310	LAZOR	2443	L819951	LAZOR	1216	LA09010088	LOKWD	473237!
L81-8488	LAZOR	5131	L816329	LAZOR	1216	L819951	LAZOR	1216N	LA1019	MASSE	450332
L81-8640	LAZOR	1217	L816329	LAZOR	1216N	L82	LETN	415991	LA1020	MASSE	470059
L81-8747	LAZOR	473234!	L816370	LAZOR	222745	L82	LETN	455146!	LA1020	MASSE	470380!
L81-8769	LAZOR	228250	L816370	LAZOR	27X45X8!	L83	LETN	415991	LA1139	MASSE	473231
L81-8852	LAZOR	710146	L816396	LAZOR	225005	L83	LETN	455146!	LA1316	MASSE	473197
L81-8860	LAZOR	225650	L816396	LAZOR	50X62X7!	L8477	FWD	416163	LA33560B	FORD	471413!
L81-8887	LAZOR	710072	L816400	LAZOR	1012	L851	LETN	416288!	LA33562B	FORD	471267!
L81-8909	LAZOR	1960	L816400	LAZOR	1012N	L852	LETN	416288!	LA33565A	FORD	471466!
L81-8917	LAZOR	710306	L816418	LAZOR	223255	L9	LETN	417316!	LA33623A	FORD	470954

! Industrial Size/Type

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
LA4961	PETTI	472012	M1183	TW-DI	45013S	M201576A	PACIF
LA49610	PETTI	417022	M1189	TW-DI	416891!	M201576A	PACIF
LA49611	PETTI	417602!	M1194	TW-DI	471760	M201576A	TW-DI
LA49612	PETTI	417546!	M1206	TW-DI	412943	M201576A	TW-DI
LA49615	PETTI	455614	M121	TW-DI	415025	M201586	TW-DI
LA49619	PETTI	455406!	M122	TW-DI	415458!	M201589	TW-DI
LA4963	PETTI	473016!	M1226	TW-DI	471763	M20231	VICK
LA4964	PETTI	472439	M123	TW-DI	473462	M2100	TW-DI
LA4966	PETTI	471442!	M124	TW-DI	413469!	M21015	VICK
LA4967	PETTI	472572!	M126C	TW-DI	415035	M2130	KEN
LA4969	PETTI	471487	M126C	TW-DI	415035!	M2130	TW-DI
LA7246	PETTI	40071S	M136	MANT	415035	M2134	TW-DI
LC11962	MWKEL	471787	M1360	TW-DI	415035	M2136A	BR-VN
LC2P150	GE	471224!	M1360	TW-DI	415035!	M21512	FORD
LD10780	MWKEL	474278	M136A	PACIF	415035	M21512	VICK
LD11360	MARMO	415035	M136A	TW-DI	415035	M2154	TW-DI
LD11361	MARMO	471750!	M136D	TW-DI	415035	M2164	TW-DI
LD1360	MARMO	417210!	M137	OLIVE	415995!	M2166	TW-DI
LD21165	MARMO	472572!	M137	TW-DI	415995!	M2183	TW-DI
LD21361	MARMO	471192	M138	TW-DI	470530!	M2187	TW-DI
LD61133	MARMO	471141!	M138A	TW-DI	472397!	M2190	TW-DI
LD71368	MARMO	323138!	M1443	OLIVE	415483!	M2190	TW-DI
LF1190A	FORD	203006!	M1462	TW-DI	473234	M2190A	TW-DI
LF1190A1	FORD	203006!	M1510	NORDG	471649!	M2192	TW-DI
LF4676A	FORD	5778	M1523	TW-DI	471571	M2192A	TW-DI
LH340442	MIHLE	450165	M154	MINNM	455336	M2200	TW-DI
LH340442	MIHLE	471801!	M1585	GRAY	471766!	M2201	TW-DI
LH340566	MIHLE	471504	M1585	TW-DI	471791	M2219	TW-DI
LH340761	MIHLE	415027	M1585	TW-DI	456585	M2221	TW-DI
LH340761	MIHLE	415027!	M1585A	TW-DI	471791	M2221	TW-DI
LM227	WHITE	343185	M1585A	TW-DI	455165!	M2222	TW-DI
LM337	WHITE	5976S	M16516	FAFNI	353120	M22229	IH
LM5	BARRE	203034	M17824	JOHND	204020	M2224	TW-DI
LM664	WHITE	471231!	M17824	JOHND	204505!	M2226	NORDG
LR1301	PETTI	417316!	M1804	TW-DI	471271!	M2230	TW-DI
LR1302	PETTI	415991	M1854A	TW-DI	415142	M2234	TW-DI
LR1302	PETTI	455146!	M1856	TW-DI	415142	M2239	TW-DI
LW6M207	CONTI	470954!	M1856A	TW-DI	415142	M2240	TW-DI
M00083042	FWD	473231!	M1868	TW-DI	471413!	M22440	IH
M044032195	LEECE	473016!	M1875	TW-DI	410825	M2251	TW-DI
M054031763	LEECE	450340	M1926	TW-DI	471648	M2251B	TW-DI
M054031769	LEECE	473414	M1984	TW-DI	470625!	M2252	TW-DI
M054032169	LEECE	471760	M2-L117A	BR-WN	471224!	M2253	TW-DI
M054034270	LEECE	473238	M200	MINNM	450400	M2257A	TW-DI
M054073498	LEECE	240733	M201093	TW-DI	471272	M2258	TW-DI
M1037	TW-DI	415085!	M201094	TW-DI	471504=	M226	TW-DI
M1037	TW-DI	456648	M201105	TW-DI	240736	M2272A	TW-DI
M104	TW-DI	471554!	M201105TD	KEN	240736	M22811	VICK
M105	TW-DI	473215!	M201189	TW-DI	455040N=	M22811	VICK
M1056	TW-DI	471649!	M201190	TW-DI	415351=	M22918	VICK
M105A	TW-DI	473215!	M201191	TW-DI	416865	M2295	TW-DI
M105B	TW-DI	473215	M201224	TW-DI	473464=	M2295A	TW-DI
M105TD	CASE	473215!	M201290	TW-DI	473229	M23172	VICK
M106	TW-DI	472185!	M201293	TW-DI	471795	M2347	TW-DI
M107	TW-DI	474281!	M201305	TW-DI	455271N=	M2356	KEN
M108	TW-DI	470088=	M201312	TW-DI	450593!	M2356	PACIF
M109	TW-DI	473462	M201433	MINNM	40316S	M2356	TW-DI
M110	TW-DI	415001!	M201433	TW-DI	40316S	M2371	TW-DI
M111	TW-DI	416288!	M201448	TW-DI	417344!	M2371	TW-DI
M1110	OLIVE	415458!	M201482	TW-DI	417316=	M2399	TW-DI
M1110	WHITE	415458!	M201486	TW-DI	417191	M2406	TW-DI
M112	OLIVE	415027!	M201486	TW-DI	455165!	M2406	TW-DI
M112	OLIVE	415027	M201518	KEN	415035	M2408	TW-DI
M112	TW-DI	415027	M201518	PACIF	415035	M2417	TW-DI
M113	TW-DI	415047	M201518	TW-DI	415035	M2421	TW-DI
M1153	TW-DI	410987!	M201534	TW-DI	471870!	M2423	TW-DI
M1154	TW-DI	471766!	M201535	TW-DI	415984!	M2424	DAVEY
M1160	TW-DI	472144!	M201539	TW-DI	417487!	M2426	TW-DI
M1169	TW-DI	455198N=	M201539	TW-DI	417487	M24286	DAVEY
M1181	TW-DI	455321	M201539A	TW-DI	417487!	M2429	TW-DI
M1182A	TW-DI	415035	M201539A	TW-DI	417487	M2430	TW-DI
M1182C	TW-DI	415035	M201570	TW-DI	471554=	M24407	DAVEY
M201576A	PACIF	415991	M201576A	PACIF	415991!	M201576A	TW-DI
M201576A	PACIF	415991!	M201576A	TW-DI	415991	M201586	TW-DI
M201576A	TW-DI	415991	M201586	TW-DI	415984=	M201589	TW-DI
M201586	TW-DI	415984=	M201589	TW-DI	415984!	M20231	VICK
M201589	TW-DI	415984!	M20231	VICK	470530!	M2100	TW-DI
M20231	VICK	470530!	M2100	TW-DI	450202N=	M21015	VICK
M2100	TW-DI	450202N=	M21015	VICK	471787!	M2130	KEN
M21015	VICK	471787!	M2130	KEN	472016	M2130	TW-DI
M2130	KEN	472016	M2130	TW-DI	472016	M2134	TW-DI
M2130	TW-DI	472016	M2134	TW-DI	416476=	M2136A	BR-VN
M2134	TW-DI	416476=	M2136A	BR-VN	5711	M21512	FORD
M2136A	BR-VN	5711	M21512	FORD	471538!	M21512	VICK
M21512	FORD	471538!	M21512	VICK	471538!	M2154	TW-DI
M21512	VICK	471538!	M2154	TW-DI	415273N=	M2164	TW-DI
M2154	TW-DI	415273N=	M2164	TW-DI	240731	M2166	TW-DI
M2164	TW-DI	240731	M2166	TW-DI	415303!	M2183	TW-DI
M2166	TW-DI	415303!	M2183	TW-DI	417262 *=	M2187	TW-DI
M2183	TW-DI	417262 *=	M2187	TW-DI	415040N=	M2190	TW-DI
M2187	TW-DI	415040N=	M2190	TW-DI	100494	M2190	TW-DI
M2190	TW-DI	100494	M2190	TW-DI	476470!	M2190A	TW-DI
M2190	TW-DI	476470!	M2190A	TW-DI	476470	M2192	TW-DI
M2190A	TW-DI	476470	M2192	TW-DI	415200N=	M2192A	TW-DI
M2192	TW-DI	415200N=	M2192A	TW-DI	416888	M2200	TW-DI
M2192A	TW-DI	416888	M2200	TW-DI	417497	M2201	TW-DI
M2200	TW-DI	417497	M2201	TW-DI	471763	M2219	TW-DI
M2201	TW-DI	471763	M2219	TW-DI	415273N=	M2221	TW-DI
M2219	TW-DI	415273N=	M2221	TW-DI	417487!	M2221	TW-DI
M2221	TW-DI	417487!	M2221	TW-DI	417487	M2222	TW-DI
M2221	TW-DI	417487	M2222	TW-DI	472560N	M22229	IH
M2222	TW-DI	472560N	M22229	IH	471750!	M2224	TW-DI
M22229	IH	471750!	M2224	TW-DI	40185	M2226	NORDG
M2224	TW-DI	40185	M2226	NORDG	411245!	M2230	TW-DI
M2226	NORDG	411245!	M2230	TW-DI	473227=	M2234	TW-DI
M2230	TW-DI	473227=	M2234	TW-DI	415302	M2239	TW-DI
M2234	TW-DI	415302	M2239	TW-DI	417316!	M2240	TW-DI
M2239	TW-DI	417316!	M2240	TW-DI	415995!	M22440	IH
M2240	TW-DI	415995!	M22440	IH	476838!	M2251	TW-DI
M22440	IH	476838!	M2251	TW-DI	415053N=	M2251B	TW-DI
M2251	TW-DI	415053N=	M2251B	TW-DI	415138!	M2252	TW-DI
M2251B	TW-DI	415138!	M2252	TW-DI	415995!	M2253	TW-DI
M2252	TW-DI	415995!	M2253	TW-DI	470565=	M2257A	TW-DI
M2253	TW-DI	470565=	M2257A	TW-DI	415449	M2258	TW-DI
M2257A	TW-DI	415449	M2258	TW-DI	472636	M226	TW-DI
M2258	TW-DI	472636	M226	TW-DI	410694!	M2272A	TW-DI
M226	TW-DI	410694!	M2272A	TW-DI	415963N=	M22811	VICK
M2272A	TW-DI	415963N=	M22811	VICK	415991	M22811	VICK
M22811	VICK	415991	M22811	VICK	455146!	M22918	VICK
M22811	VICK	455146!	M22918	VICK	470954!	M2295	TW-DI
M22918	VICK	470954!	M2295	TW-DI	473238=	M2295A	TW-DI
M2295	TW-DI	473238=	M2295A	TW-DI	473238	M23172	VICK
M2295A	TW-DI	473238	M23172	VICK	471766!	M2347	TW-DI
M23172	VICK	471766!	M2347	TW-DI	415104N=	M2356	KEN
M2347	TW-DI	415104N=	M2356	KEN	415389	M2356	PACIF
M2356	KEN	415389	M2356	PACIF	415389	M2356	TW-DI
M2356	PACIF	415389	M2356	TW-DI	415389	M2371	TW-DI
M2356	TW-DI	415389	M2371	TW-DI	100494	M2371	TW-DI
M2371	TW-DI	100494	M2371	TW-DI	476470!	M2399	TW-DI
M2371	TW-DI	476470!	M2399	TW-DI	470530	M2406	TW-DI
M2399	TW-DI	470530	M2406	TW-DI	100494	M2408	TW-DI
M2406	TW-DI	100494	M2408	TW-DI	472636=	M2417	TW-DI
M2408	TW-DI	472636=	M2417	TW-DI	471224=	M2421	TW-DI
M2417	TW-DI	471224=	M2421	TW-DI	471413	M2423	TW-DI
M2421	TW-DI	471413	M2423	TW-DI	412861	M2424	DAVEY
M2423	TW-DI	412861	M2424	DAVEY	472397!	M2426	TW-DI
M2424	DAVEY	472397!	M2426	TW-DI	415984=	M24286	DAVEY
M2426	TW-DI	415984=	M24286	DAVEY	472164!	M2429	TW-DI
M24286	DAVEY	472164!	M2429	TW-DI	471466=	M2430	TW-DI
M2429	TW-DI	471466=	M2430	TW-DI	471224=	M24407	DAVEY
M2430	TW-DI	471224=	M24407	DAVEY	410496!		

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
M315	TW-DI	417316!	M38760R	SPG	39886	M552	TW-DI	415449!	MA416	TW-DI	476470
M3161	JA-HE	240457	M38832	SPG	471267	M552A	TW-DI	415449	MA416	TW-DI	476470!
M3162	JA-HE	6597S	M38833	MATHR	39904	M5610	BARTL	471192	MA431	TW-DI	417361 =
M325529BG	SPG	60X90X10	M38926R	MATHR	415303	M5621	BARTL	471651	MA439	TW-DI	416865
M325589VGV	SPG	229210	M38926R	SPG	415303	M581	FORD	481568!	MA440	TW-DI	417365 =
M340417R91	IH	410708	M38935R	MATHR	39930	M600462	SPG	600462	MA452	TW-DI	456483 =
M34401	MATHR	39821	M38936R	MATHR	39920	M600K-253	CONTI	471554!	MA470	TW-DI	55301S
M35156R	MATHR	39835	M39041	SPG	39882	M600K-257	CONTI	471649!	MA472	TW-DI	100494
M35320R	MATHR	415937	M39044	NATL	39883	M600L-214	CONTI	412119!	MA472	TW-DI	476470!
M3536	CONST	471887	M39044R	SPG	39044	M600L354	CONTI	485869N =	MA497	TW-DI	456055N =
M35751R	MATHR	39732	M39054R	SPG	39926	M60478	ALLCH	471689!	MA516	TW-DI	485033V =
M35753R	MATHR	472409	M39071	SPG	39881	M605	TW-DI	472179	MA517	TW-DI	472015 =
M358	TW-DI	416654!	M39088R	MATHR	39806	M605A	TW-DI	472179	MA523	TW-DI	415449 =
M35940	MATHR	39715	M39089R	MATHR	39805	M61872	ALLCH	473474	MA524	TW-DI	415035
M35942	MATHR	39815	M39094	MATHR	39815	M61958	JOHND	200851	MA525	TW-DI	415995!
M35957R	MATHR	39823	M39094	SPG	39815	M64107	JOHND	203025	MA528	TW-DI	3893V!
M35970R	MATHR	39827	M39140R	SPG	471192	M671	TW-DI	473228	MA528	TW-DI	415379!
M35994R	MATHR	417433	M39157R	MATHR	39804	M6SK136A	BR-WN	471272!	MA564	TW-DI	417344
M36074R	MATHR	39837	M39285	MATHR	39807	M7041266	MARMO	240735	MA583	TW-DI	3276 =
M36119R	MATHR	39713	M39404	SPG	73478 =	M74054261	GE	416865!	MA598	TW-DI	415991
M36386	MATHR	39849	M39448	MATHR	417433	M74054262	GE	415090	MA598	TW-DI	455146!
M36387R	MATHR	470898	M39539	SPG	470898	M74054263	GE	417556	MA623	TW-DI	415725!
M36388R	MATHR	470898	M39547	SPG	473517	M74054264	GE	416107!	MA659	TW-DI	100495
M36390	MATHR	473517	M39549	SPG	470898	M74054264	GE	455073	MA659	TW-DI	417349
M36391R	MATHR	39849	M39558	SPG	39701	M74054265	GE	455584	MA685A	TW-DI	415294 * =
M36392R	MATHR	39701	M39592	SPG	39849	M74054266	GE	416239!	MA738	TW-DI	473010
M36393R	MATHR	473517	M39632	SPG	39861	M77099	MATHR	39920	MA743	TW-DI	455134 =
M36425R	MATHR	472311	M39990	SPG	41163T	M805	TW-DI	417191	MA744	TW-DI	416865
M36473R	MATHR	39705	M401	TW-DI	450084!	M805	TW-DI	455165!	MA745	TW-DI	415984!
M36476R	MATHR	415937	M40197	SPG	39880	M806	TW-DI	476470	MA764	TW-DI	471341!
M36521R	MATHR	39723	M40281	SPG	39887	M848	TW-DI	455026	MA778	TW-DI	471466!
M36558R	MATHR	39817	M40282	SPG	39888	M849	TW-DI	416125!	MA798	TW-DI	415983N!
M36689R	MATHR	39887	M40375	SPG	40375	M86688	IH	471192	MA875	TW-DI	416865 * =
M36689R	SPG	39887	M40392R	SPG	40392	M86690	IH	472185!	MA876	TW-DI	411245 * =
M36690R	MATHR	39888	M40403	MATHR	380003A	M979	MINNM	476470	MA877	TW-DI	415984 * =
M36690R	SPG	39888	M40403B	MATHR	370001T	MA103220	CHRY	473258	MB001170	CHRY	473258
M36761R	MATHR	39825	M40413	MATHR	380001A	MA103453	CHRY	471076	MB002074	CHRY	494122
M36985R	MATHR	39801	M40413G	MATHR	370001A	MA103454	CHRY	221720	MB076351	CHRY	221830
M36985R	SPG	39801	M40554	MATHR	416158	MA125844	CHRY	1196	MB092145	CHRY	224255
M37001	MATHR	39803	M40554B	MATHR	370025T	MA181498	CHRY	1955	MB092145	CHRY	42X65X10!
M37022	MATHR	39958	M40655R	SPG	39882	MA181498	CHRY	52X65X9!	MB092186	CHRY	474161
M37098R	MATHR	417621	M40676	JOHND	252277	MA183	TW-DI	415294!	MB092288	CHRY	481826
M37103R	MATHR	39894	M40902	SPG	40902	MA188	TW-DI	416888	MB092296	CHRY	224255
M37104R	MATHR	39893	M41050	JOHND	471643!	MA188A	TW-DI	416888!	MB092296	CHRY	42X65X10!
M37269R	MATHR	39956	M41121-53	SPG	914413	MA210	TW-DI	417487!	MB092436	CHRY	2003N!
M37312R	MATHR	39952	M41186-53	SPG	914411	MA210	TW-DI	417487	MB092437	CHRY	225010
M37371R	SPG	39879	M41189-53	SPG	914412	MA220	TW-DI	471413 =	MB092527	CHRY	223550
M37586	SPG	37586	M413	TW-DI	411253!	MA223	TW-DI	455107N =	MB160578	CHRY	224255
M37753R	MATHR	39885	M41381R	SPG	5721	MA257	TW-DI	415483	MB160578	CHRY	42X65X10!
M37753R	SPG	39885	M41381R	SPG	5722	MA262	TW-DI	476470!	MB160850	CHRY	710146
M37759R	MATHR	39890	M41381R	SPG	907091	MA267	TW-DI	416289N =	MB160946	CHRY	710213
M37759R	SPG	39890	M41453	MATHR	40392	MA270	TW-DI	473204 =	MB160949	CHRY	224570
M37760R	MATHR	39889	M41453	SPG	40392	MA273	TW-DI	417605	MB166582	CHRY	710273
M37760R	SPG	39889	M41454	MATHR	37586	MA287	TW-DI	470530	MB242821	CHRY	710338
M37796	MATHR	39861	M417	TW-DI	473229	MA288	TW-DI	472636 =	MB242821	VILA	710338
M37797	MATHR	39869	M417TD	CASE	473229	MA297	TW-DI	415995!	MB242822	CHRY	38X52X8.5!
M37800	MATHR	39865	M42	TMTR	472924!	MA306	TW-DI	416654	MB242822	CHRY	710338
M37809R	SPG	39899	M42015	IH	473426	MA319	TW-DI	413248 =	MB242822	VILA	710338
M37810R	SPG	39900	M4209	CONST	471264	MA340	TW-DI	450339 =	MB290013	CHRY	451845
M37817R	MATHR	472409	M42523	IH	471827!	MA349	TW-DI	472258!	MB290426	CHRY	710152
M37921RC	SPG	455134	M436	HUME	200354	MA350	PARGN	415449 =	MB290739	CHRY	225875
M37939R	SPG	415035	M440	GRAY	412473!	MA350	TW-DI	415449 =	MB290739	CHRY	58X75X11!
M380009TD	SPG	417506	M440	TW-DI	412473	MA361	TW-DI	415984 =	MB297514	CHRY	225875
M380023TXO	SPG	380023A	M446	TW-DI	476424N	MA365	TW-DI	417605 =	MB297514	CHRY	58X75X11!
M380025TXO	SPG	416158	M44888	JOHND	471267!	MA366	PARGN	473215 =	MB303867	CHRY	225082
M380047TD	SPG	380047A	M49123	JOHND	471766!	MA366	TW-DI	473215 =	MB303875	CHRY	225230
M380048TA	SPG	380048A	M498	TW-DI	471224	MA369	TW-DI	472492 =	MB350906	CHRY	223215
M380069TD	SPG	380069A	M4K5438	CATER	473244!	MA372	TW-DI	415991	MB393807	CHRY	710152
M38308R	MATHR	472409	M4X4047	CATER	470487!	MA372	TW-DI	415991!	MB393929	CHRY	473258
M38613	PI-BA	944416	M4X4051	CATER	473367	MA387	TW-DI	473214 =	MB393932	CHRY	223543!
M38756R	MATHR	39925	M50149A	BR-WN	472924!	MA398	TW-DI	455165N =	MB412315	CHRY	481481
M38760	MATHR	39886	M510	TW-DI	472409 =	MA415	TW-DI	415995!	MB501649	CHRY	222036

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
MB526395	CHRY	225875	MD16239	MURPH	471570!	MOO083029	FWD	473448	MU149A	CHRY	471689!
MB526535	CHRY	710186	MD168055	CHRY	223750	MOO083030	FWD	415458!	MU17134A	BR-WN	352541
MB526680	CHRY	710221	MD168057	CHRY	222025!	MOO083031	FWD	415458!	MU17149A	BR-WN	415449!
MB553349	CHRY	710272	MD168058	CHRY	221710	MOO083032	FWD	471652	MW2896	WHITE	340797
MB569924	CHRY	710207	MD168060	CHRY	222820	MOO083037	FWD	417316!	MW3277	WHITE	254270
MB569925	CHRY	710208	MD168061	CHRY	224460	MOO083038	FWD	473243	MW3348	WHITE	471267!
MB573309	CHRY	225450	MD174462	CHRY	224460	MOO083045	FWD	455080	MW479	WHITE	240027=
MB584601	CHRY	710338	MD174940	CHRY	710235	MP747	ADAMS	470088	MW7134A	BR-WN	352541
MB584601	VILA	710338	MD180183	CHRY	223010	MS-20124A	BR-WN	472164!	MW92	WHITE	471532
MB584745	CHRY	494122	MD2946	MURPH	471554!	MS128	MIRCO	16202	MX49867	JOHND	415035!
MB620515	CHRY	224874	MD301007	CHRY	223018	MS20149A	BR-WN	455556	MX49867	JOHND	415035
MB633432	CHRY	710182	MD339026	CHRY	223018	MS221	MIRCO	16210	MX50069	JOHND	470530!
MB633434	CHRY	710183	MD3488	MURPH	473446	MS222	MIRCO	16204	MX51278	JOHND	471192
MB633944	CHRY	474134	MD359158	CHRY	710235	MS2231	MIRCO	16200	MX54694	JOHND	415138!
MB636433	CHRY	221620	MD372248	CHRY	223018	MS2241	MIRCO	16201	MX60635	JOHND	471646!
MB664439	CHRY	4989	MD4044	MURPH	471472!	MS225	MIRCO	16208	MX60922	JOHND	415138!
MB664439	CHRY	710209	MD4066	MURPH	416271!	MS2262	MIRCO	16213	MX60935	JOHND	471646!
MB808443	CHRY	8430S	MD505608	CHRY	712007	MS227	MIRCO	16211	MX61829	JOHND	471570!
MB808444	CHRY	4898	MD5120	MURPH	416339	MS228	MIRCO	16202	MX61943	JOHND	472185!
MB837029	CHRY	710353	MD5120	MURPH	455031!	MS2281	MIRCO	16212	MX62601	JOHND	415449!
MB837719	CHRY	4989	MD610203	CHRY	2025	MS2282	MIRCO	16215	MX62870	JOHND	417344!
MB837719	CHRY	710209	MD701430	CHRY	32X48X81	MS2291	MIRCO	16203	MX63090	JOHND	415035!
MBP0511312	FORD	228250	MD701721	CHRY	710222	MS230	MIRCO	16205	MX63090	JOHND	415035
MBP0511312	FORD	710448	MD701732	CHRY	223240	MS232	MIRCO	16209	MW7346A	JOHND	471570!
MBS-940	NATL	2377	MD701735	CHRY	25X35X7!	MS235	MIRCO	16217	MX87356	JOHND	40169S
MC1190A	FORD	6815	MD701735	CHRY	712007	MS237	MIRCO	16216	MX97713	JOHND	415303!
MC33587A	FORD	240151	MD701782	CHRY	223240	MS331	MIRCO	16250	MXO1111	COC	455189
MC4676A	FORD	5778	MD701782	CHRY	32X48X81	MS332	MIRCO	16251	MXO1187	COC	470712!
MCX212	CLIMX	415937!	MD703735	CHRY	223014	MS333	MIRCO	16252	MXO1189	COC	470712!
MCX213	CLIMX	416865!	MD703743	CHRY	223608	MS334	MIRCO	16253	MXS388	COC	471281!
MCX214	CLIMX	471487	MD703743	CHRY	36X52X7!	MS334G	MIRCO	16254	MXS826	COC	470354
MCX423	CLIMX	417191	MD704164	CHRY	224560	MS335	MIRCO	16255	N-12360	SEALD	712025
MCX423	CLIMX	455165!	MD706433	CHRY	223543	MS336	MIRCO	16256	N-3094	SEALD	712022
MCX661	CLIMX	416364=	MD706433	CHRY	35X56X10!	MS337	MIRCO	16257	N-3101	SEALD	712021
MCX662	CLIMX	415104N=	MD707184	CHRY	223543	MS338	MIRCO	16258	N-4940	SEALD	330699
MCX733	CLIMX	240733	MD707184	CHRY	35X56X10!	MS339	MIRCO	16259	N-6184	SEALD	471466!
MCX74	CLIMX	416654!	MD707575	CHRY	320583	MS340	MIRCO	16260	N-6229	SEALD	471466
MD-2341	MURPH	J1141	MD711769	CHRY	224550	MS341	MIRCO	16261	N-7434	SEALD	470954
MD-4059	MURPH	415074	MD712012	CHRY	223608	MS342	MIRCO	16262	N-7449	SEALD	470954
MD000248	CHRY	227235	MD719710	CHRY	710199	MS343	MIRCO	16263	N-8665	SEALD	471267
MD008762	CHRY	3771	MD723202	CHRY	223014	MS344	MIRCO	16264	N-9700	SEALD	712018
MD008882	CHRY	224460	MD731708	CHRY	224052	MS345	MIRCO	16265	N-9805	SEALD	712012
MD008883	CHRY	710325	MD741818	CHRY	712007	MS347	MIRCO	16267	N-9814	SEALD	252277
MD009038	CHRY	221710	MD742053	CHRY	710259	MS352	MIRCO	16268	N-9843	SEALD	471224
MD016549	CHRY	227235	MD94630X	MURPH	415294!	MS356	MIRCO	16269	N-9967	SEALD	471689
MD020240	CHRY	228005	MD950349	CHRY	473445	MS5100040-3	KEN	417316=	N10566	MID-R	471554!
MD020435	CHRY	228005	MD950716	CHRY	473445	MS5100090-3	CHRY	470898=	N10813	MID-R	471649!
MD024529	CHRY	222330	MD950807	CHRY	1097N	MS9444A	BR-WN	415187	N10919	MID-R	50199S!
MD030789	CHRY	712001	MDS65	VICK	470954!	MST222	MIRCO	16308	N10919	MID-R	6863S!
MD031837	CHRY	223018	MF07013	RACIN	50199S!	MST223	MIRCO	16309	N10919A	MID-R	471103!
MD050605	CHRY	221710	MF07013	RACIN	6863S!	MST226	MIRCO	16310	N10919B	MID-R	471442!
MD050608	CHRY	712007	MF091	RACIN	472179	MST227	MIRCO	16311	N10919C	MID-R	50199S!
MD068906	CHRY	424	MH034067	CHRY	223255	MST228	MIRCO	16312	N10919C	MID-R	6863S!
MD069947	CHRY	228005	MH60358	ALLCH	472287!	MST331	MIRCO	16300	N10981	MID-R	471192
MD069948	CHRY	221710	MJA-HH-101	SPICE	477163N	MST332	MIRCO	16301	N10981D	MID-R	471224!
MD069949	CHRY	224460	MK102	COC	455197N	MST333	MIRCO	16302	N109913	JOHND	473214!
MD069950	CHRY	712007	MK1190A	FORD	9150S	MST334	MIRCO	16303	N11431	MID-R	50327
MD090761	CHRY	223010	MK173	COC	473179	MST335	MIRCO	16306	N115080B	FORD	415001!
MD095355	CHRY	222025!	MM174160	MURPH	416107!	MST339	MIRCO	16304	N1162B	EATON	415034=
MD096264	CHRY	222025!	MM174160	MURPH	455073	MST341	MIRCO	16305	N1162C	EATON	416294!
MD101915	CHRY	710056	MM273336	MURPH	416664!	MST352	MIRCO	16315	N128	CASE	473229
MD117643	CHRY	227235	MMI73262	MURRA	470530!	MST356	MIRCO	16316	N12948	MID-R	471192
MD120699	CHRY	710056	MMI73336	MURRA	416664!	MT141132	CHRY	225010	N130664	JOHND	471413
MD120700	CHRY	223750	MMI73377	MURRA	417316!	MT203648	CHRY	224570	N136	BUTBN	472179
MD133317	CHRY	3771	MMI73836	MURRA	415035	MT203648	CHRY	45X72X12!	N137	BUTBN	471205!
MD1462	MURPH	450593!	MMI73836	MURRA	415035!	MT2040H27	JA-MI	470682	N137	NORDG	450188
MD150161	CHRY	228009	MO54032189	LEECE	471192	MT2040H27	JAE	470682	N14357	CASE	40169S
MD15127	MURPH	473414	MO54034270	LEECE	473238!	MT2044S	CASE	471649!	N148	BUTBN	471689!
MD151463	CHRY	222820	MO54073498	LEECE	240733	MT2226S	CASE	471354!	N151	BUTBN	471567!
MD152603	CHRY	223010	MOO508562	FWD	415960	MTA2032S	CASE	204038	N1800303	SPICE	J1130
MD153103	CHRY	3771	MOO508587	FWD	415449!	MTA2043S	CASE	204002	N1800303	VIC	J1130
MD153104	CHRY	223018	MOO65943	FWD	455005	MU149A	BR-WN	471689=	N1851	FORD	471466!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
N1851	MID-R	471466!	NB020	PAYEN	712132	NJ001	PAYEN	227045	NJ100	PAYEN	473179!
N24243	DAVEY	410102	NB077	PAYEN	712127	NJ002	PAYEN	1177	NJ101	PAYEN	473812
N317	NORDG	450188	NB083	PAYEN	712128	NJ003	PAYEN	1959	NJ102	PAYEN	710318
N3478	DIA	6592S=	NB291	PAYEN	710180	NJ004	PAYEN	712006	NJ104	PAYEN	1950
N3502	CASE	473215!	NB300	PAYEN	224835	NJ004	PAYEN	BS27493	NJ106	PAYEN	224045*
N3503	CASE	450765!	NB300	PAYEN	48X68X10!	NJ005	PAYEN	224460	NJ107	PAYEN	444116
N4152A	WAYNE	471763	NB304	PAYEN	224835	NJ006	PAYEN	227235	NJ110	PAYEN	712003
N4478	DIA	415697!	NB304	PAYEN	48X68X10!	NJ007	PAYEN	224465	NJ116	PAYEN	2008
N4478	DIA	455547	NB310	PAYEN	712130	NJ008	PAYEN	227235	NJ117	PAYEN	1167
N4517	CASE	471737=	NB312	CEW	228010	NJ009	PAYEN	1188	NJ118	PAYEN	222535
N5089	CASE	471808!	NB384	PAYEN	224020	NJ011	PAYEN	224015	NJ119	PAYEN	222540
N5091	CASE	450984	NB610	PAYEN	472439	NJ014	PAYEN	225020	NJ120	PAYEN	1181
N5177	JOHND	471766!	NB625	PAYEN	712131	NJ015	PAYEN	224015	NJ122	PAYEN	224270
N5178D	JOHND	472311!	NB645	PAYEN	3771	NJ017	PAYEN	1176	NJ125	PAYEN	710070
N55008	DOMGA	321460	NB645	PAYEN	TCS45472	NJ021	PAYEN	2001	NJ127	PAYEN	1174
N55044	DOMGA	472341!	NB698	PAYEN	228008	NJ021	PAYEN	BS27493	NJ128	PAYEN	224870
N5586	CASE	240735	NB699	PAYEN	3771	NJ021N	PAYEN	712006	NJ129	PAYEN	494123
N5587	CASE	472311!	NB735	PAYEN	224052	NJ022	PAYEN	223831	NJ130	PAYEN	225220
N5696D	JOHND	471413	NCA1190A	FORD	7381S	NJ023	PAYEN	224210	NJ132	PAYEN	710125
N56B206	CONTI	412473!	NCA4251B	FORD	415449!	NJ025	PAYEN	224570	NJ133	PAYEN	710127
N6285D	JOHND	470625!	NCA4676A	FORD	473228!	NJ026	PAYEN	222510	NJ136	PAYEN	710182
N62C204	CONTI	474272!	NCB-4233A	FORD	450285	NJ030	PAYEN	228010	NJ139	PAYEN	225673
N6787D	JOHND	471737=	NCB42332	FORD	473449	NJ033	PAYEN	1174	NJ140	PAYEN	226150
N7005B	FORD	480491	ND14285	GMC	417362!	NJ035	PAYEN	32X58X8!	NJ141	PAYEN	226610
N7172D	JOHND	473227	ND2237A	FAIRB	471762!	NJ036	PAYEN	1181	NJ142	PAYEN	710178
N7174D	JOHND	471795	ND4204B	WHITE	HU024A	NJ038	PAYEN	223555	NJ143	PAYEN	221510
N7361D	JOHND	472560N!	ND4426C	WHITE	HU110A	NJ040	PAYEN	228020	NJ144	PAYEN	222340
N7504	HU-WR	415138!	ND542A	FAIRB	415551	NJ041	PAYEN	1992	NJ145	PAYEN	223400
N7535	HU-WR	473231	NDA7048A	FORD	472492!	NJ042	PAYEN	710313	NJ146	PAYEN	226530
N7841	CASE	370094A	NDA77086A	FORD	473445	NJ043	PAYEN	712011	NJ147	PAYEN	223540
N816123	WGEAR	40401	NF013	PAYEN	221540	NJ044	PAYEN	227550	NJ148	PAYEN	2007N
N920225	LUF	472185!	NF020	PAYEN	222240	NJ045	PAYEN	1994	NJ149	PAYEN	223050
NA-773	PAYEN	473244	NF029	PAYEN	223831	NJ048	PAYEN	2000	NJ150	PAYEN	221820
NA-933	PAYEN	712137	NF037	PAYEN	1012	NJ049	PAYEN	1977	NJ151	PAYEN	223050
NA-980	PAYEN	712135	NF037	PAYEN	1012N	NJ051	PAYEN	1183	NJ152	PAYEN	223550
NA115	PAYEN	222510	NF129	PAYEN	222510	NJ052	PAYEN	1214	NJ153	PAYEN	225278
NA132	PAYEN	472397!	NF4A3044B9	FAIRB	411253!	NJ052	PAYEN	1214N	NJ154	PAYEN	229004
NA142	PAYEN	222030	NF634	PAYEN	BS40252	NJ055	PAYEN	231004	NJ155	PAYEN	5685
NA151	PAYEN	223800	NJ-012	PAYEN	710383	NJ055	PAYEN	BS16192	NJ157	PAYEN	5685
NA174	PAYEN	472354	NJ-034	PAYEN	710359	NJ056	PAYEN	228010	NJ158	PAYEN	710060
NA271	PAYEN	451948	NJ-134	PAYEN	712008	NJ057	PAYEN	224840	NJ159	PAYEN	710282
NA296	PAYEN	473210	NJ-171	PAYEN	710291	NJ058	PAYEN	228005	NJ161	PAYEN	710314
NA297	PAYEN	710058	NJ-175	PAYEN	3543	NJ060	PAYEN	228480	NJ163	PAYEN	710260
NA300	PAYEN	473234	NJ-192	PAYEN	710397	NJ062	PAYEN	226285	NJ164	PAYEN	1147
NA328	PAYEN	451857	NJ-212	PAYEN	710353	NJ064	PAYEN	1959	NJ165	PAYEN	4901
NA329	PAYEN	473231	NJ-216	PAYEN	710352	NJ066	PAYEN	224820	NJ166	PAYEN	224066
NA354	PAYEN	471870!	NJ-283	PAYEN	710341	NJ067	PAYEN	225872	NJ167	PAYEN	224063
NA355	PAYEN	224045	NJ-298	PAYEN	710367	NJ068	PAYEN	1955	NJ168	PAYEN	224068
NA355	PAYEN	40X62X12!	NJ-303	PAYEN	710366	NJ069	PAYEN	1948	NJ169	PAYEN	3459
NA378	PAYEN	225040	NJ-383	PAYEN	710374	NJ070	PAYEN	1960	NJ172	PAYEN	710238
NA425	PAYEN	1960	NJ-385	PAYEN	710339	NJ071	PAYEN	1956	NJ176	PAYEN	710438
NA433	PAYEN	1198	NJ-388	PAYEN	710381	NJ072	PAYEN	710329	NJ177	PAYEN	2012
NA453	PAYEN	1174	NJ-389	PAYEN	710379	NJ073	PAYEN	227410	NJ178	PAYEN	1932
NA461	PAYEN	1012	NJ-390	PAYEN	226820	NJ073	PAYEN	BS40381	NJ179	PAYEN	224235
NA461	PAYEN	1012N	NJ-394	PAYEN	710373	NJ074	PAYEN	1952	NJ180	PAYEN	1205
NA473	PAYEN	472655	NJ-420	PAYEN	710371	NJ077	PAYEN	1953	NJ180	PAYEN	1205N
NA512	PAYEN	471854!	NJ-433	PAYEN	710384	NJ078	PAYEN	1188	NJ181	PAYEN	1213N
NA551	PAYEN	350936	NJ-472	PAYEN	710375	NJ080	PAYEN	710324	NJ182	PAYEN	223543!
NA559	PAYEN	1174	NJ-480	PAYEN	710372	NJ081	PAYEN	224865	NJ183	PAYEN	710199
NA582	PAYEN	TCS45473	NJ-515	PAYEN	710382	NJ082	PAYEN	224830	NJ184	PAYEN	226018
NA611	PAYEN	415001	NJ-518	PAYEN	710344	NJ084	PAYEN	222430	NJ186	PAYEN	710124
NA727	PAYEN	228010	NJ-646	PAYEN	710351	NJ085	PAYEN	2016	NJ187	PAYEN	710122
NA736	PAYEN	471272	NJ-718	PAYEN	710407	NJ088	PAYEN	1196	NJ188	PAYEN	710123
NA748	PAYEN	415483!	NJ-772	PAYEN	710356	NJ089	PAYEN	1213N	NJ190	PAYEN	224026
NA759	PAYEN	472397	NJ-841	PAYEN	710406	NJ090	PAYEN	710320	NJ191	PAYEN	710133
NA764	PAYEN	413246	NJ-855	PAYEN	710347	NJ091	PAYEN	1994	NJ193	PAYEN	710246
NA965	PAYEN	3341	NJ-911	PAYEN	710107	NJ092	PAYEN	473823	NJ195	PAYEN	222745
NA988	PAYEN	712129	NJ-947	PAYEN	225875*	NJ094	PAYEN	231206	NJ196	PAYEN	222745
NAA4676A	FORD	473215!	NJ-947	PAYEN	710400	NJ095	PAYEN	65X95X8	NJ198	PAYEN	710240
NB-167	PAYEN	712133	NJ-948	PAYEN	710401	NJ096	PAYEN	223830	NJ199	PAYEN	1188
NB-469	PAYEN	712138	NJ-957	PAYEN	710405	NJ098	PAYEN	717005	NJ200	PAYEN	224840
NB-611	PAYEN	712134	NJ-981	PAYEN	60X85X12	NJ099	PAYEN	227020	NJ201	PAYEN	224210

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
NJ202	PAYEN	713771	NJ381	PAYEN	710332	NJ569	PAYEN	474133	NJ678	PAYEN	413818
NJ232	PAYEN	710391	NJ382	PAYEN	1979	NJ571	PAYEN	710080	NJ679	PAYEN	1174 *
NJ239	PAYEN	225040	NJ384	PAYEN	1973	NJ572	PAYEN	474121	NJ679	PAYEN	710309
NJ240	PAYEN	4359V	NJ386	PAYEN	2002	NJ574	PAYEN	1992	NJ685	PAYEN	2016
NJ242	PAYEN	3771	NJ387	PAYEN	1974	NJ575	PAYEN	1173	NJ688	PAYEN	710124
NJ242	PAYEN	TCS45483	NJ391	PAYEN	138X152X12!	NJ577	PAYEN	224015	NJ689	PAYEN	710134
NJ243	PAYEN	710345	NJ391	PAYEN	710368	NJ578	PAYEN	225005	NJ690	PAYEN	2003N!
NJ251	PAYEN	228005	NJ393	PAYEN	710088	NJ579	PAYEN	1012	NJ692	PAYEN	225650
NJ252	PAYEN	712001	NJ395	PAYEN	226530	NJ579	PAYEN	1012N	NJ693	PAYEN	1985
NJ254	PAYEN	222743	NJ396	PAYEN	223430	NJ580	PAYEN	1984	NJ694	PAYEN	225650
NJ255	PAYEN	221710	NJ396	PAYEN	710417	NJ581	PAYEN	225420	NJ695	PAYEN	710072
NJ261	PAYEN	1012	NJ399	PAYEN	1981	NJ582	PAYEN	717004	NJ696	PAYEN	225540
NJ261	PAYEN	1012N*	NJ405	PAYEN	224045*	NJ585	PAYEN	710268	NJ701	PAYEN	1948
NJ261	PAYEN	710321	NJ414	PAYEN	224045	NJ586	PAYEN	25X45X8	NJ703	PAYEN	222655
NJ263	PAYEN	1215	NJ415	PAYEN	710051	NJ587	PAYEN	1174	NJ704	PAYEN	710110
NJ263	PAYEN	1215N	NJ416	PAYEN	223230	NJ588	PAYEN	55X78X10	NJ705	PAYEN	710109
NJ264	PAYEN	1216	NJ417	PAYEN	130X150X10!	NJ592	PAYEN	223605	NJ707	PAYEN	223830
NJ264	PAYEN	1216N	NJ417	PAYEN	710380	NJ593	PAYEN	1176	NJ708	PAYEN	1180
NJ265	PAYEN	228480	NJ419	PAYEN	334111	NJ598	PAYEN	223012	NJ709	PAYEN	224210
NJ266	PAYEN	712005	NJ425	PAYEN	710278	NJ599	PAYEN	227020	NJ709	PAYEN	42X55X8!
NJ267	PAYEN	224205	NJ428	PAYEN	494123	NJ600	PAYEN	222820*	NJ722	PAYEN	710294
NJ268	PAYEN	710327	NJ429	PAYEN	225010	NJ600	PAYEN	710325	NJ726	PAYEN	1970
NJ269	PAYEN	710271	NJ436	PAYEN	223220	NJ602	PAYEN	225875	NJ731	PAYEN	4901
NJ270	PAYEN	712008	NJ437	PAYEN	710076	NJ603	PAYEN	225505	NJ733	PAYEN	1140
NJ274	PAYEN	223542	NJ438	PAYEN	221820	NJ606	PAYEN	223252	NJ733	PAYEN	223580
NJ275	PAYEN	1175	NJ439	PAYEN	1989	NJ607	PAYEN	223542	NJ734	PAYEN	1937
NJ276	PAYEN	1012	NJ441	PAYEN	712011	NJ608	PAYEN	223840	NJ735	PAYEN	710167
NJ276	PAYEN	1012N	NJ444	PAYEN	221922	NJ609	PAYEN	223840	NJ737	PAYEN	474230
NJ278	PAYEN	320564	NJ446	PAYEN	228700	NJ610	PAYEN	222510	NJ739	PAYEN	224570
NJ280	PAYEN	223340	NJ448	PAYEN	223012	NJ611	PAYEN	223014	NJ740	PAYEN	223553
NJ284	PAYEN	228410	NJ449	PAYEN	1217	NJ612	PAYEN	223608	NJ748	PAYEN	710338
NJ285	PAYEN	223420	NJ452	PAYEN	2007N	NJ612	PAYEN	36X52X7!	NJ749	PAYEN	223543!
NJ285	PAYEN	TCS45635	NJ453	PAYEN	1987	NJ615	PAYEN	223005	NJ749	PAYEN	710396
NJ286	PAYEN	223602	NJ454	PAYEN	1981	NJ617	PAYEN	320603	NJ750	PAYEN	710073
NJ287	PAYEN	228009	NJ456	PAYEN	1012	NJ618	PAYEN	145X175X15	NJ751	PAYEN	222410
NJ288	PAYEN	224020	NJ456	PAYEN	1012N	NJ619	PAYEN	70X95X13	NJ756	PAYEN	710305
NJ291	PAYEN	225035	NJ464	PAYEN	1943	NJ620	PAYEN	222743	NJ757	PAYEN	710342
NJ297	PAYEN	225875	NJ465	PAYEN	710087	NJ621	PAYEN	221720	NJ758	PAYEN	222030
NJ300	PAYEN	228020	NJ465	PAYEN	710376	NJ622	PAYEN	221540	NJ759	PAYEN	222860
NJ302	PAYEN	231004	NJ467	PAYEN	710084	NJ625	PAYEN	471950	NJ760	PAYEN	710306
NJ309	PAYEN	227610	NJ468	PAYEN	710085	NJ626	PAYEN	1949	NJ761	PAYEN	223552
NJ309	PAYEN	BS40268	NJ471	PAYEN	224020	NJ628	PAYEN	225880	NJ762	PAYEN	221510
NJ311	PAYEN	710331	NJ474	PAYEN	225230	NJ629	PAYEN	224255	NJ763	PAYEN	223400
NJ312	PAYEN	228015	NJ479	PAYEN	710277	NJ630	PAYEN	225225	NJ764	PAYEN	470460
NJ313	PAYEN	320595	NJ484	PAYEN	1990	NJ631	PAYEN	1126	NJ765	PAYEN	224052
NJ321	PAYEN	222860	NJ492	PAYEN	224510	NJ632	PAYEN	222220	NJ766	PAYEN	1216
NJ321	PAYEN	TCS45633	NJ493	PAYEN	494122	NJ634	PAYEN	3459	NJ766	PAYEN	1216N
NJ322	PAYEN	710060	NJ494	PAYEN	223550	NJ635	PAYEN	710316	NJ769	PAYEN	145X164X14!
NJ323	PAYEN	224025	NJ500	PAYEN	710440	NJ637	PAYEN	224025	NJ769	PAYEN	710369
NJ324	PAYEN	223420	NJ509	PAYEN	1170	NJ638	PAYEN	225650	NJ777	PAYEN	1147
NJ325	PAYEN	229005*	NJ519	PAYEN	1981	NJ639	PAYEN	710312	NJ778	PAYEN	222220
NJ325	PAYEN	229006	NJ519	PAYEN	223014*	NJ642	PAYEN	32X43X7!	NJ780	PAYEN	1936
NJ334	PAYEN	222330	NJ520	PAYEN	710070	NJ642	PAYEN	710370	NJ781	PAYEN	710337
NJ337	PAYEN	710333	NJ521	PAYEN	710319	NJ645	PAYEN	710187	NJ782	PAYEN	710148
NJ339	PAYEN	222340	NJ522	PAYEN	2009	NJ648	PAYEN	30X55X10	NJ783	PAYEN	473677
NJ341	PAYEN	1038	NJ525	PAYEN	68X90X10	NJ650	PAYEN	228250	NJ799	PAYEN	222835
NJ342	PAYEN	1021V	NJ526	PAYEN	494117	NJ650	PAYEN	710448	NJ807	PAYEN	220860
NJ343	PAYEN	1019	NJ527	PAYEN	224250	NJ653	PAYEN	221735	NJ808	PAYEN	710323
NJ344	PAYEN	1953	NJ528	PAYEN	1939	NJ655	PAYEN	222025!	NJ809	PAYEN	1973
NJ346	PAYEN	229010	NJ529	PAYEN	1938	NJ657	PAYEN	22X40X7!	NJ810	PAYEN	1207
NJ349	PAYEN	223235	NJ536	PAYEN	1213N	NJ658	PAYEN	225230	NJ810	PAYEN	1207N
NJ351	PAYEN	1012	NJ537	PAYEN	4990	NJ659	PAYEN	225210	NJ811	PAYEN	224235
NJ351	PAYEN	1012N	NJ539	PAYEN	225010	NJ660	PAYEN	1180	NJ812	PAYEN	1964
NJ353	PAYEN	1987	NJ541	PAYEN	2003N!	NJ661	PAYEN	710092	NJ813	PAYEN	710326
NJ354	PAYEN	716102	NJ551	PAYEN	1986	NJ662	PAYEN	1975	NJ814	PAYEN	1216
NJ358	PAYEN	1953	NJ557	PAYEN	224820	NJ663	PAYEN	3622	NJ814	PAYEN	1216N
NJ360	PAYEN	228009	NJ558	PAYEN	228010	NJ664	PAYEN	2955	NJ818	PAYEN	1994
NJ368	PAYEN	223340	NJ559	PAYEN	223235	NJ665	PAYEN	710098	NJ821	PAYEN	471076
NJ369	PAYEN	225880	NJ562	PAYEN	224820	NJ666	PAYEN	224254	NJ822	PAYEN	474161
NJ373	PAYEN	710325	NJ563	PAYEN	223605	NJ675	PAYEN	228008	NJ823	PAYEN	224255
NJ377	PAYEN	710310	NJ564	PAYEN	1960	NJ676	PAYEN	473258!	NJ824	PAYEN	225082
NJ378	PAYEN	710334	NJ568	PAYEN	710086	NJ677	PAYEN	17X27X7	NJ825	PAYEN	225230

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
NJ828	PAYEN	68X82X7!	NJ976	PAYEN	710433	NK065	PAYEN	224045*	O28R	TIMKE	.028PKG
NJ828	PAYEN	710378	NJ978	PAYEN	224660	NK067	PAYEN	224026	O29R	TIMKE	.029PKG
NJ831	PAYEN	225880	NJ982	PAYEN	1120	NK068	PAYEN	350609	O30R	TIMKE	.030PKG
NJ832	PAYEN	222030	NJ983	PAYEN	710097	NK074	PAYEN	1170	O31R	TIMKE	.031PKG
NJ836	PAYEN	225035	NJ984	PAYEN	473179!	NK075	PAYEN	223410	O32R	TIMKE	.032PKG
NJ837	PAYEN	710072	NJ985	PAYEN	1940	NK075	PAYEN	710416	O33R	TIMKE	.033PKG
NJ838	PAYEN	710069	NJ986	PAYEN	710273	NK076	PAYEN	3459	O34R	TIMKE	.034PKG
NJ843	PAYEN	473823	NJ987	PAYEN	710152	NK084	PAYEN	320583	O35R	TIMKE	.035PKG
NJ844	PAYEN	224400	NJ988	PAYEN	225450	NK094	PAYEN	710108	O36R	TIMKE	.036PKG
NJ846	PAYEN	710233	NJ989	PAYEN	222050	NK099	PAYEN	5686	O37R	TIMKE	.037PKG
NJ847	PAYEN	225230	NJ991	PAYEN	224820	NK100	PAYEN	350609	O3869AB	CASE	476838!
NJ848	PAYEN	710230	NJ992	PAYEN	710239	NK103	PAYEN	228700	O38R	TIMKE	.038PKG
NJ852	PAYEN	1213N	NJ993	PAYEN	320564	NK104	PAYEN	229010	O39R	TIMKE	.039PKG
NJ854	PAYEN	224462	NJ994	PAYEN	1941	NK106	PAYEN	224650	O40R	TIMKE	.040PKG
NJ858	PAYEN	710154	NJ995	PAYEN	225275	NK109	PAYEN	221730	O41R	TIMKE	.041PKG
NJ859	PAYEN	223010	NJ996	PAYEN	225410	NK110	PAYEN	223535	O42R	TIMKE	.042PKG
NJ861	PAYEN	223540	NJ997	PAYEN	1928	NK144	PAYEN	710292	O43R	TIMKE	.043PKG
NJ862	PAYEN	224560	NJ998	PAYEN	1935	NK150	PAYEN	710436	O44R	TIMKE	.044PKG
NJ863	PAYEN	224820	NJ999	PAYEN	1188	NK152	PAYEN	224650	O45R	TIMKE	.045PKG
NJ864	PAYEN	224815	NJ999	PAYEN	710322	NK167	PAYEN	710439	O52115	ALLCH	417247!
NJ865	PAYEN	224820	NK-010	PAYEN	710357	NK195	PAYEN	710437	O52641	ALLCH	417267
NJ866	PAYEN	224872	NK-016	PAYEN	710330	NK217	PAYEN	225040	O74147	GMC	.5M497
NJ867	PAYEN	4898	NK-046	PAYEN	222450	NK230	PAYEN	474133	OC5004	LETN	416865!
NJ868	PAYEN	1993	NK-082	PAYEN	710350	NK232	PAYEN	224250	OCB521	CLSTL	480630!
NJ872	PAYEN	223210	NK-083	PAYEN	710349	NK233	PAYEN	712007	OD248	ALLCH	416654!
NJ873	PAYEN	710056	NK-086	PAYEN	712009	NLA307	FAIRB	417343!	OD2973U238	WHITE	340413
NJ874	PAYEN	223750	NK-098	PAYEN	225220	NLA90	FAIRB	471750!	OD307	ALLCH	476470
NJ875	PAYEN	223220	NK-105	PAYEN	710354	NO-1	ATP	2025	OD5219	LETN	415371
NJ877	PAYEN	221620	NK-140	PAYEN	3771	NO-10	ATP	3771	OD613	ALLCH	457874
NJ878	PAYEN	710398	NK-145	PAYEN	1974	NO-2	ATP	710051	OE122	ALLCH	415995!
NJ881	PAYEN	710128	NK-146	PAYEN	710226	NO-3	ATP	224010	OF53	BU-SP	473238
NJ882	PAYEN	710126	NK-147	PAYEN	225005	NP4426A	WHITE	HU110A	OIT4676	MARMO	473215!
NJ885	PAYEN	710131	NK-147	PAYEN	710226*	NSAH95X132X1222	KOYO	710085	OM1177A	FORD	473228
NJ887	PAYEN	223845	NK-148	PAYEN	710231	NX32440A	JOHND	415995!	OM1177A1	FORD	473228
NJ889	PAYEN	1036	NK-149	PAYEN	710229	NX33341	JOHND	415437!	OM1177B	FORD	473228
NJ890	PAYEN	225530	NK-153	PAYEN	710236	NX33341	JOHND	415437!	OM1177C	FORD	473228
NJ891	PAYEN	223831	NK-157	PAYEN	228250	NX33649	JOHND	470334!	OMX10191	ALLCH	415482
NJ892	PAYEN	225225	NK-157	PAYEN	710448	NXA543	BENDI	471504!	OMX10525	ALLCH	471442!
NJ904	PAYEN	1953	NK-158	PAYEN	710355	O01R	TIMKE	.001PKG	OMX10526	ALLCH	240735
NJ905	PAYEN	13X22X6!	NK-172	PAYEN	712009	O02R	TIMKE	.002PKG	OMX10660	ALLCH	471684!
NJ905	PAYEN	710348	NK-173	PAYEN	228410	O03R	TIMKE	.003PKG	OMX1663	ALLCH	55028
NJ906	PAYEN	225872	NK-175	PAYEN	710392	O04R	TIMKE	.004PKG	OMX3173	ALLCH	412943
NJ907	PAYEN	1012	NK-196	PAYEN	710393	O05R	TIMKE	.005PKG	OMX382	ALLCH	412119!
NJ907	PAYEN	1012N	NK-197	PAYEN	710394	O06R	TIMKE	.006PKG	OMX9396	ALLCH	471466
NJ908	PAYEN	710094	NK005	PAYEN	710332	O07R	TIMKE	.007PKG	OP53	BU-SP	473238!
NJ909	PAYEN	710093	NK007	PAYEN	1012	O08R	TIMKE	.008PKG	OP54	BU-SP	415937!
NJ912	PAYEN	710175	NK007	PAYEN	1012N	O09R	TIMKE	.009PKG	OP55	BU-SP	417351!
NJ915	PAYEN	710315	NK008	PAYEN	4175	O10R	TIMKE	.010PKG	OP56	BU-SP	415001!
NJ916	PAYEN	1938	NK009	PAYEN	710168	O11R	TIMKE	.011PKG	OS26	GR-DV	470328
NJ917	PAYEN	1938	NK011	PAYEN	1971	O12R	TIMKE	.012PKG	OS26	GR-DV	481213!
NJ919	PAYEN	1213N	NK012	PAYEN	710193	O132034	GMC	470059	OS375	GMC	330385!
NJ925	PAYEN	710295	NK014	PAYEN	224205	O132034	GMC	470380!	OT200A	MINNM	415021
NJ928	PAYEN	710296	NK015	PAYEN	229210	O13R	TIMKE	.013PKG	OTC19003	CONTI	473231!
NJ933	PAYEN	713771	NK022	PAYEN	710336	O14R	TIMKE	.014PKG	OTC19003	ONAN	473231!
NJ934	PAYEN	222540	NK023	PAYEN	711181	O15R	TIMKE	.015PKG	P-0080	C-P	415058
NJ936	PAYEN	710090	NK027	PAYEN	710243	O16R	TIMKE	.016PKG	P-0081	C-P	455151
NJ939	PAYEN	710089	NK028	PAYEN	3667	O17R	TIMKE	.017PKG	P-0082	C-P	416476!
NJ940	PAYEN	224045*	NK031	PAYEN	226840	O18R	TIMKE	.018PKG	P-0305	C-P	415551
NJ941	PAYEN	710167	NK032	PAYEN	224253	O19R	TIMKE	.019PKG	P-0306	C-P	416158
NJ942	PAYEN	710081	NK034	PAYEN	1932	O2003	WILYS	472179	P-0307	C-P	416666
NJ943	PAYEN	228480	NK035	PAYEN	1019	O2004	WILYS	472179	P-0308	C-P	455280
NJ944	PAYEN	474133	NK036	PAYEN	221720	O2005	WILYS	471801!	P-0326	C-P	471271!
NJ945	PAYEN	222220	NK040	PAYEN	224979	O2088	MASSE	50081	P-0410	C-P	415219
NJ949	PAYEN	225875	NK042	PAYEN	222745	O20R	TIMKE	.020PKG	P-328	DURA	473405
NJ951	PAYEN	223250	NK043	PAYEN	223801	O21R	TIMKE	.021PKG	P-629C	DURA	481443!
NJ951	PAYEN	710415	NK047	PAYEN	1981	O22R	TIMKE	.022PKG	P003001	EBERH	471526!
NJ952	PAYEN	222820	NK048	PAYEN	223253	O23R	TIMKE	.023PKG	P003002	EBERH	471466!
NJ955	PAYEN	60X82X12!	NK049	PAYEN	223831	O24R	TIMKE	.024PKG	P003005	EBERH	473225!
NJ961	PAYEN	350572	NK050	PAYEN	224020	O2501CS	CASE	450415	P003008	EBERH	473232
NJ962	PAYEN	223215	NK053	PAYEN	225673	O25R	TIMKE	.025PKG	P003009	EBERH	472185!
NJ963	PAYEN	221820	NK054	PAYEN	4899	O26R	TIMKE	.026PKG	P003010	EBERH	473238
NJ964	PAYEN	221820	NK055	PAYEN	710188	O27R	TIMKE	.027PKG	P003012	EBERH	472572!

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
P003013	EBERH	471442!	P2420	TEREL	472397!	P3592	BU-SP
P003014	EBERH	471224!	P2424	TEREL	471766!	P3597	BU-SP
P003015	EBERH	471192	P243	BUC-E	415116	P3618	TEREL
P003019	EBERH	473226	P24341	JOHND	473228	P3619	TEREL
P003020	EBERH	471763	P2441	TEREL	473237!	P3655	ITM
P003021	EBERH	471766!	P2494	ITM	2551	P3655	ITM
P003022	EBERH	473424!	P25147	BUC-E	472157!	P3830	ITM
P003023	EBERH	450165	P25147	BUC-E	472157	P3835	ITM
P003023	EBERH	471801!	P2559	TEREL	470380!	P3842	ITM
P003024	EBERH	471571	P2562	TEREL	471138!	P3842	ITM
P003026	EBERH	473236!	P2598	TEREL	470565!	P39080002	LAVOI
P003032	EBERH	450342	P2604	TEREL	471766!	P39080005	LAVOI
P003035	EBERH	472012	P2612	TEREL	471981	P391	PORTR
P003041	EBERH	471652	P2621	TEREL	472164!	P3911	ITM
P003042	EBERH	472354!	P2625	ITM	470898	P392	PORTR
P003055	EBERH	481792	P2625	TEREL	473215!	P3933	ITM
P003056	EBERH	471730	P26500	JOHND	471554!	P3952	ITM
P003119	EBERH	481397	P2672	TEREL	470605!	P3971	ITM
P1011	JOHND	471570!	P2674	ITM	224045	P3973	ITM
P1012	JOHND	476838!	P2674	ITM	40X62X12!	P3973	ITM
P1019	DEXTR	473336	P2704	TEREL	473239!	P3974	ITM
P116	REULD	470774!	P2707	TEREL	J1117	P3974	ITM
P127	REULD	416664!	P2749	TEREL	410102	P3987	TEREL
P12710	ATHEY	471689!	P2755	TEREL	451078!	P3990	TEREL
P1362	JOHND	471529	P2803	TEREL	471835!	P3991	TEREL
P14730	FORD	471820	P2804	TEREL	473010!	P39A217	CONTI
P14730	PETTI	474264	P2805	TEREL	473232!	P40057	JOHND
P14731	FORD	471820	P28112	BUC-E	470086	P4152	ITM
P14732	FORD	473367!	P2812	BUC-E	415072	P41721	JOHND
P14732	FORD	473367	P283	BUC-E	417604	P41721H	JOHND
P14732	PETTI	471820	P2871	ITM	224015	P4187	TEREL
P16076	C-R	5115	P2879	TEREL	471984	P4520	ITM
P1651	C-P	415645!	P2900	TEREL	471649!	P4531	ITM
P1651	C-P	455104	P29928	HARN	415970=	P4535	ITM
P1652	C-P	417487	P29928	NAPCO	415970=	P4544	ITM
P1653	C-P	415991	P2BA7603	GN-TI	6283S	P4544	ITM
P1653	C-P	455146!	P2X6976	CATER	473231=	P4583	ITM
P16685	ATHEY	471619!	P3045	TEREL	J1109	P4609	ITM
P1780	C-P	55078S	P3059	TEREL	471760	P4646	ITM
P179	KOEI	350364	P3091	ITM	472299	P4646	ITM
P190	BUC-E	417269!	P3130	ITM	473234!	P4747	ITM
P19234	ATHEY	473467!	P3131	ITM	1089*=	P4747	ITM
P1936	C-P	417247!	P3140	ITM	472179	P4778	ITM
P1941	C-P	470530!	P3141	ITM	1873	P4784	ITM
P19653F	NAPCO	415970=	P3156	ITM	473241	P4784	ITM
P2003	TEREL	41075S	P3167	ITM	473016!	P4785	ITM
P20254	JOHND	472234	P3168	ITM	472492!	P4788	ITM
P20255	JOHND	415991	P3242	ITM	7399S!	P4789	ITM
P20255	JOHND	455146!	P3306	TEREL	410102=	P4789	ITM
P20274	JOHND	412861	P3315	ITM	470334!	P4795	ITM
P2044	TEREL	476470	P3337	TEREL	473442!	P4797	ITM
P2045	TEREL	473224!	P3339	TEREL	470682	P4802	ITM
P213587	KRSE	470605!	P3348	ITM	471870!	P4802	ITM
P2171	ITM	1086*=	P3385	TEREL	413247!	P49483	WABCO
P2180	TEREL	473446	P34195	JOHND	415995!	P494832	WABCO
P2183	TEREL	472397!	P3446	ITM	224040	P4949	ITM
P2202	ITM	1994	P3446	ITM	40X60X10!	P4954	ITM
P2202	ITM	48X70X9!	P3462	TEREL	476470	P497	PORTR
P22351	JOHND	411245!	P3485	ITM	226020	P51322	PACIF
P2269	TEREL	413246	P3485	ITM	60X80X8!	P51418	PACIF
P2343	TEREL	473238!	P3486	ITM	1163=	P51898	PACIF
P2360	TEREL	471272!	P3487	ITM	224045	P5339	MASSE
P2374	TEREL	472179	P3487	ITM	40X62X12!	P5364Z	WITTE
P2387	TEREL	471692!	P3494	ITM	340823	P6085	ITM
P2388	TEREL	473215!	P3498	ITM	471224!	P6085	ITM
P2410	ITM	472164!	P3507	ITM	1077=	P6085	PETTI
P2411	TEREL	473237!	P3509	ITM	473228	P6089	PETTI
P24112	BUC-E	470086	P3510	ITM	1020	P6090	PETTI
P2412	BUC-E	416107!	P3511	ITM	471192	P6096	PETTI
P2412	BUC-E	455073	P3573	TEREL	472924!	P6112	ITM
P24149	JOHND	473229	P3587	TEREL	471692!	P6112	ITM
P2419	TEREL	415449!	P3591	BU-SP	472164!	P611810	KRSE
P611811	KRSE	J1105	P6131	BU-SP	476470	P6132	BU-SP
P6131	BU-SP	476470	P6132	BU-SP	417298	P6133	BU-SP
P6132	BU-SP	417298	P6173	ITM	1077=	P6174	ITM
P6133	BU-SP	416865!	P6174	ITM	472213	P6177	ITM
P6173	ITM	1077=	P6177	ITM	224235	P6178	ITM
P6174	ITM	472213	P6177	ITM	42X58X7!	P6179	ITM
P6177	ITM	224235	P6178	ITM	224025	P6179	ITM
P6178	ITM	224025	P6188	ITM	2642	P6179	ITM
P6179	ITM	35X50X8!	P6188	ITM	3771	P6201	ITM
P6179	ITM	3771	P6201	ITM	224520	P6201	ITM
P6188	ITM	2642	P6205	ITM	1994	P6205	ITM
P6201	ITM	224520	P6205	ITM	48X70X9!	P6213	ITM
P6205	ITM	1994	P6213	ITM	223542	P6213	ITM
P6213	ITM	223542	P6213	ITM	35X55X11!	P6247	ITM
P6213	ITM	35X55X11!	P6247	ITM	1174	P6247	ITM
P6247	ITM	1174	P6247	ITM	38X52X8.5!	P6262	BU-SP
P6247	ITM	38X52X8.5!	P6262	BU-SP	417357	P6262	BU-SP
P6262	BU-SP	417357	P6262	BU-SP	455192!	P6296	BU-SP
P6262	BU-SP	455192!	P6296	BU-SP	415991	P6296	BU-SP
P6296	BU-SP	415991	P6296	BU-SP	455146!	P6298	BU-SP
P6296	BU-SP	455146!	P6298	BU-SP	417556	P6298	ITM
P6298	BU-SP	417556	P6298	ITM	224270	P6298	ITM
P6298	ITM	224270	P6298	ITM	42X72X10!	P6299	BU-SP
P6298	ITM	42X72X10!	P6299	BU-SP	416239!	P629B	DURA
P6299	BU-SP	416239!	P629B	DURA	450129	P629B	DURA
P629B	DURA	450129	P629B	DURA	472826!	P6301	ITM
P629B	DURA	472826!	P6301	ITM	1209	P6302	ITM
P6301	ITM	1209	P6302	ITM	1195	P6304	ITM
P6302	ITM	1195	P6304	ITM	1012	P6304	ITM
P6304	ITM	1012	P6304	ITM	1012N	P6304	ITM
P6304	ITM	1012N	P6304	ITM	45X62X8!	P6305	ITM
P6304	ITM	45X62X8!	P6305	ITM	1208	P6305	ITM
P6305	ITM	1208	P6305	ITM	48X72X7!	P6305	ITM
P6305	ITM	48X72X7!	P6319	ITM	482126	P6319	ITM
P6319	ITM	482126	P6332	ITM	1192	P6332	ITM
P6332	ITM	1192	P6366	ITM	224015	P6366	ITM
P6366	ITM	224015	P6367	ITM	224045	P6367	ITM
P6367	ITM	224045	P6367	ITM	40X62X12!	P6369	ITM
P6367	ITM	40X62X12!	P6369	ITM	5778	P6373	ITM
P6369	ITM	5778	P6373	ITM	1174	P6373	ITM
P6373	ITM	1174	P6373	ITM	38X52X8.5!	P6373	ITM
P6373	ITM	38X52X8.5!	P6374	ITM	1181	P6374	ITM
P6374	ITM	1181	P6374	ITM	41X56X7!	P6374	ITM
P6374	ITM	41X56X7!	P6375	ITM	1183	P6375	ITM
P6375	ITM	1183	P6376	ITM	224045	P6376	ITM
P6376	ITM	224045	P6376	ITM	40X62X12!	P6377	ITM
P6376	ITM	40X62X12!	P6377	ITM	1981	P6378	ITM
P6377	ITM	1981	P6378	ITM	1992	P6387	ITM
P6378	ITM	1992	P6387	ITM	222510	P6387	ITM
P6387	ITM	222510	P6387	ITM	25X35X7!	P6428	ITM
P6387	ITM	25X35X7!	P6428	ITM	224820	P6428	ITM
P6428	ITM	224820	P6428	ITM	48X62X8!	P6430	ITM
P6428	ITM	48X62X8!	P6430	ITM	1196	P6471	ITM
P6430	ITM	1196	P6471	ITM	1170	P6472	ITM
P6471	ITM	1170	P6472	ITM	32X58X8!	P6478	ITM
P6472	ITM	32X58X8!	P6478	ITM	1167	P6492	ITM
P6478	ITM	1167	P6492	ITM	1955	P6492	ITM
P6492	ITM	1955	P6492	ITM	52X65X9!	P6500	ITM
P6492	ITM	52X65X9!	P6500	ITM	473823	P6502	ITM
P6500	ITM	473823	P6502	ITM	1213N	P6505	ITM
P6502	ITM	1213N	P6505	ITM	228020	P6505	ITM
P6505	ITM	228020	P6505	ITM	80X105X13!	P6525	ITM
P6505	ITM	80X105X13!	P6525	ITM	2551	P6534	ITM
P6525	ITM	2551	P6534	ITM	1173	P6536	ITM
P6534	ITM	1173	P6536	ITM	1188	P6585	ITM
P6536	ITM	1188	P6585	ITM	1953	P6585	ITM
P6585	ITM	1953	P6585	ITM	42X60X7!	P6586	ITM
P6585	ITM	42X60X7!	P6586	ITM	3771		

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
P6606	BU-SP	416892!	PC173A	CLARK	417344!	PH283	WISCO	240119	PR1075	ITM	471281!
P6671	ITM	1950	PC2191	CLARK	55539=	PH284	WISCO	472572!	PR1076	ITM	415458!
P66851	VIC	2000	PD1039	WABCO	415124	PH285	WISCO	471529	PR1078	ITM	471466!
P66851	VIC	224235	PD16624	MASSE	471760	PH292	WISCO	471571	PR1079	ITM	415234!
P66851	VIC	42X58X7!	PECP1432	FORD	203013	PH299	CASE	473227	PR1082	ITM	416921!
P6800	BU-SP	415072	PECP1477	FORD	291099	PH299	COC	473227	PR1083	ITM	455151
P6881	BU-SP	415551	PEO9521	FORD	472164!	PH299	WISCO	473227	PR1086	ITM	471466!
P70305	ALLCH	472397!	PG175	ITM	223620	PH327	WISCO	471870!	PR1092	ITM	415234!
P7923	ITM	224020	PGF10435	AU-WS	473467!	PH344	WISCO	471821!	PR1093	ITM	40576S
P7923	ITM	40X55X8!	PGF2788	AU-WS	417205!	PH364	WISCO	471862	PR1094	ITM	471766!
P7950	ITM	1165	PGF2794	AU-WS	416891!	PH374	WISCO	450129	PR1095	ITM	471766!
P7951	ITM	1217	PGF2872	AU-WS	472924!	PH374	WISCO	472826!	PR1096	ITM	471766!
P7953	ITM	1969	PGF2992	AU-WS	470530!	PH378	WISCO	473213!	PR1100	ITM	473450!
P7953	ITM	48X63X9!	PGF3062	AU-WS	473463	PH382	WISCO	472397!	PR1104	ITM	471766!
P7954	ITM	1962	PGF3216	AU-WS	472636!	PH382A	WISCO	472397!	PR1112	ITM	416738!
P7955	ITM	1949	PGF3216A	AU-WS	472636!	PH391	WISCO	470530!	PR1118	ITM	470954!
P7959	ITM	1128	PGF4373	AU-WS	417488!	PH451	WISCO	6936S	PR1123	ITM	481537
P7962	ITM	1952	PGF4511	AU-WS	415449!	PH529	WISCO	471737	PR1127	ITM	472394
P7963	ITM	1953	PGF4619	AU-WS	470605!	PH557-A	WISCO	8597S	PR1128	ITM	472394
P7963	ITM	42X60X7!	PGF4921	AU-WS	415960	PK524	AM BO	471532	PR1130	ITM	470954!
P7967	ITM	1960	PGF4922	AU-WS	472409	PK524U	AM BO	471532	PR1132	ITM	470954!
P7968	ITM	1956	PGF5240	AU-WS	5971	PL379	CONTI	471224!	PR1134	ITM	470954!
P7972	ITM	1974	PGF5240A	AU-WS	5971	PM200322	JOHND	200322	PR1137	ITM	5801=
P7976	ITM	473238!	PGF5240B	AU-WS	5971	PM200886	JOHND	200886	PR1138	ITM	472439
P7979	ITM	1012	PGF6023	AU-WS	472179	PM203029	JOHND	203029	PR1139	ITM	470954
P7979	ITM	1012N	PGF6024	AU-WS	415449!	PM204005	JOHND	204005	PR1140	ITM	470954!
P7985	ITM	1012	PGF6024A	AU-WS	415449!	PM204013	JOHND	204013	PR1142	ITM	470954!
P7985	ITM	1012N	PGF6050	AU-WS	415036	PM204035	JOHND	204035	PR1143	ITM	470954!
P7985	ITM	45X62X8!	PGF8089	AU-WS	412040	PM204500	JOHND	204500!	PR1144	ITM	473179!
P7987	ITM	1996	PGF8447	AU-WS	416921!	PM204506	JOHND	204506!	PR1145	ITM	45637S
P7989	ITM	482126	PGF8486	AU-WS	471554!	PM204507	JOHND	204507!	PR1146	ITM	470954!
P7M9697	CATER	473447	PGF8611	AU-WS	450133	PM240319	JOHND	240319	PR1148	ITM	470954!
P80179KE	PARK	471271!	PGF8612	AU-WS	470605!	PM2893	F-R-H	471341!	PR1150	ITM	470601
P96184	KRSE	415458!	PGF8764	AU-WS	472924!	PM3341	TW-DI	470530=	PR1152	ITM	5976S
P970	PORTR	476470	PGF8809	AU-WS	412040	PM415259	JOHND	415259!	PR1153	ITM	340850
P971	PORTR	415995!	PGF8809A	B-L-H	412040	PMB7657A	FORD	7300S	PR1154	ITM	254287!
P975	PORTR	415138!	PGF8839	AU-WS	473440!	PMB7657A1	FORD	7300S	PR1155	ITM	254287!
P977	PORTR	415196!	PGF8839A	AU-WS	473440!	PMB7657A3	FORD	7300S	PR1156	ITM	254287!
PA1099	IDECO	417603!	PGF8840	AU-WS	471141!	PMB7657B3	FORD	7300S	PR1157	ITM	473467
PA1099	INTDE	473447	PGF8840A	AU-WS	471141!	PMRD2000	JOHND	RD2000	PR1158	ITM	473440!
PA117	ALLCH	471341!	PGF8857	AU-WS	473224!	PO1	ATP	471827	PR1163	ITM	413469!
PA1188	INTDE	416666	PGF8857A	AU-WS	473224!	PO2	ATP	470898!	PR1165	ITM	480821!
PA1189	IDECO	455480!	PGF8857A	CLARK	473224!	PO5653M	VIC	415379	PR1166	ITM	342517
PA1189	INTDE	455480!	PGF8861	AU-WS	450472!	PO9635M	VIC	417621!	PR1171	ITM	411253!
PA1229	IDECO	415138!	PGF8861A	AU-WS	450472!	PO9781M	DANA	415995!	PR1173	ITM	473416
PA1229	INTDE	415138!	PGF8940	AU-WS	330385	PP1296	ALTFO	40389S	PR1174	ITM	473462
PA1675	INTDE	415116	PGF8941	AU-WS	340771	PP347	ALTFO	415449!	PR1175	ITM	5778
PA2108	MINNM	470625!	PGF8946	AU-WS	472311!	PP393	ALTFO	415995!	PR1182	ITM	471316
PA2467	INTDE	415066	PGF8998	AU-WS	472354!	PP624	ALTFO	476470	PR1183	ITM	5756
PA303	ATHEY	450054	PGF9124	AU-WS	472636!	PP650	ALTFO	415072	PR1185	ITM	410190
PA3709	AM CH	450040	PGF9192	AU-WS	417487	PR1004	ITM	5751	PR1189	ITM	470898
PA3710	AM CH	473214!	PGF9736	AU-WS	473228	PR1007	ITM	350364	PR1192	ITM	472452
PA42218	ROCKW	412871!	PGF9736A	AU-WS	473228	PR1008	ITM	240385	PR1194	ITM	471267
PA489	IDECO	415035	PH0155	RACIN	450188	PR1011	ITM	330385!	PR1195	ITM	471267!
PA489	IDECO	415035!	PH15	CALSO	204038	PR1018	ITM	330385!	PR1196	ITM	7600S
PA767	IDECO	415725!	PH200B	WISCO	40337S	PR1023	ITM	455134!	PR1199	ITM	5836
PA861	MINNM	473228	PH234A	STN-S	471554!	PR1026	ITM	415041	PR1201	ITM	470354
PA988	IDECO	415128	PH234A	WISCO	471554!	PR1029	HU-WR	412943	PR1202	ITM	471267!
PA988	INTDE	415128	PH264	WISCO	471224!	PR1030	ITM	370036A	PR1204	ITM	471267!
PB0167	WABCO	471760	PH264A	WISCO	471224!	PR1031	ITM	473229!	PR1206	ITM	340787
PB1039	WABCO	415124	PH265	WISCO	470712!	PR1037	ITM	455336	PR1208	ITM	40369S
PB3096	WABCO	710028	PH265A	WISCO	470712!	PR1039	ITM	350156	PR1210	ITM	40286
PB425	HART	480210!	PH269	CASE	472179	PR1039	ITM	473096	PR1214	ITM	472311!
PB426	HART	451583!	PH269	WISCO	472179	PR1044	ITM	330699	PR1219	ITM	5790=
PB4399	WABCO	417608	PH270A	STN-S	471264	PR1045	ITM	353132	PR1220	ITM	471224!
PB4665	CATER	455310	PH270A	WISCO	471264	PR1049	ITM	7107A=	PR1221	ITM	472179
PB4665	WABCO	455310	PH272A	WISCO	471689!	PR1052	ITM	471442!	PR1223	ITM	471564
PBB77497B	FORD	424	PH278	CASE	417316!	PR1057	ITM	351487	PR1226	ITM	474253
PBN7048A	FORD	415988	PH278	WISCO	417316!	PR1065	ITM	474277	PR1227	ITM	471570!
PC1571	CLARK	416167!	PH280	STN-S	473426	PR1067	ITM	471526!	PR1234	ITM	471570!
PC173	CLARK	416706	PH280	WISCO	473426	PR1070	ITM	471526!	PR1235	ITM	410737!
PC1731	CLARK	416167!	PH283	STN-S	240119	PR1072	ITM	471526!	PR1237	ITM	473473

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
PR1238	ITM	415449!	PR1380	ITM	417172	PR1547	ITM
PR1239	ITM	472409!	PR1381	ITM	471689!	PR1548	ITM
PR1240	ITM	471224!	PR1383	ITM	473459	PR1549	ITM
PR1242	ITM	411330	PR1384	ITM	471689!	PR1551	ITM
PR1245	ITM	471224!	PR1385	ITM	450467	PR1554	ITM
PR1253	ITM	5924	PR1387	ITM	471689!	PR1559	ITM
PR1255	ITM	410737!	PR1390	ITM	471689!	PR1561	ITM
PR1257	ITM	471224!	PR1391	ITM	472016!	PR1562	ITM
PR1258	ITM	410308!	PR1392	ITM	471413	PR1570	ITM
PR1258	ITM	473468	PR1395	ITM	473203	PR1571	ITM
PR1259	ITM	410987!	PR1396	ITM	471619!	PR1572	ITM
PR1261	ITM	340815	PR1397	ITM	471413	PR1576	ITM
PR1263	ITM	417481	PR1400	ITM	417267	PR1577	ITM
PR1268	ITM	472287!	PR1402	ITM	472636!	PR1580	ITM
PR1269	ITM	471270!	PR1404	ITM	450593!	PR1582	ITM
PR1271	ITM	240151	PR1405	ITM	417621!	PR1583	ITM
PR1273	ITM	472560N!	PR1406	ITM	415437	PR1584	ITM
PR1275	ITM	473234!	PR1408	ITM	471141!	PR1585	ITM
PR1278	ITM	473215!	PR1410	ITM	416282	PR1585	ITM
PR1281	ITM	481864	PR1413	ITM	416125!	PR1589	ITM
PR1284	ITM	450065	PR1419	ITM	476838!	PR1590	ITM
PR1293	ITM	471647	PR1420	ITM	476838!	PR1592	ITM
PR1297	ITM	472560N!	PR1421	ITM	412119!	PR1593	ITM
PR1298	ITM	471413!	PR1422	ITM	415060	PR1594	ITM
PR1300	ITM	471651	PR1422	ITM	455060	PR1594	ITM
PR1302	ITM	43071S	PR1423	ITM	473425	PR1595	ITM
PR1303	ITM	471651	PR1426	ITM	42763	PR1596	ITM
PR1305	ITM	471827!	PR1428	ITM	323138!	PR1599	ITM
PR1306	ITM	471652	PR1433	ITM	418028	PR1603	ITM
PR1308	ITM	471820	PR1433	ITM	455137!	PR1603	ITM
PR1311	ITM	471643!	PR1435	ITM	471103!	PR1606	ITM
PR1312	ITM	471643!	PR1451	ITM	474264	PR1611	ITM
PR1314	ITM	471643!	PR1453	ITM	471735	PR1612	ITM
PR1316	ITM	481644	PR1457	ITM	470950!	PR1613	ITM
PR1318	ITM	471646!	PR1457	ITM	6241S	PR1614	ITM
PR1319	ITM	471646!	PR1458	ITM	470712!	PR1615	ITM
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PR1321	ITM	6324S=	PR1460	ITM	470712!	PR1618	ITM
PR1326	ITM	472705!	PR1461	ITM	471466!	PR1620	ITM
PR1330	ITM	471649!	PR1469	ITM	471737	PR1624	ITM
PR1331	ITM	471649!	PR1473	ITM	55687=	PR1625	ITM
PR1332	ITM	473215!	PR1474	ITM	472354!	PR1626	ITM
PR1333	ITM	473211!	PR1475	ITM	472354!	PR1630	ITM
PR1334	ITM	470625!	PR1476	ITM	412119!	PR1643	ITM
PR1337	ITM	471787!	PR1482	ITM	450776!	PR1644	ITM
PR1339	ITM	471652	PR1493	ITM	410190	PR1651	ITM
PR1340	ITM	6626S	PR1495	ITM	455024	PR1652	ITM
PR1343	ITM	415995!	PR1501	ITM	471760	PR1653	ITM
PR1343	ITM	415995!	PR1503	ITM	416865!	PR1661	ITM
PR1344	ITM	50491=	PR1504	ITM	471762!	PR1666	ITM
PR1346	ITM	417316!	PR1506	ITM	471763	PR1667	ITM
PR1349	ITM	8059S	PR1508	ITM	414268!	PR1669	ITM
PR1353	ITM	415001!	PR1511	ITM	471765!	PR1679	ITM
PR1356	ITM	474260	PR1512	ITM	471765!	PR1681	ITM
PR1358	ITM	470328	PR1513	ITM	471765!	PR1690	ITM
PR1358	ITM	481213!	PR1514	ITM	40769S	PR1696	ITM
PR1361	ITM	474278	PR1515	ITM	417485	PR1701	ITM
PR1361	ITM	50356=	PR1518	ITM	410694!	PR1703	ITM
PR1363	ITM	473367	PR1519	ITM	240356	PR1704	ITM
PR1365	ITM	471684!	PR1522	ITM	6635S	PR1707	ITM
PR1366	ITM	471337	PR1524	ITM	415025	PR1710	ITM
PR1367	ITM	472951	PR1525	ITM	471272!	PR1713	ITM
PR1367	ITM	474252	PR1527	ITM	5403	PR1714	ITM
PR1368	ITM	470898	PR1528	ITM	5401	PR1717	ITM
PR1369	ITM	472951	PR1529	ITM	471835!	PR1718	ITM
PR1369	ITM	474252	PR1530	ITM	6362=	PR1721	ITM
PR1372	ITM	6064	PR1532	ITM	417172	PR1725	ITM
PR1374	ITM	415960	PR1533	ITM	474253	PR1729	ITM
PR1375	ITM	471688	PR1538	ITM	472258!	PR1731	ITM
PR1376	ITM	471689!	PR1540	ITM	471192	PR1732	ITM
PR1378	ITM	471831!	PR1545	ITM	474276!	PR1736	ITM
PR1379	ITM	472636!	PR1546	ITM	473313!	PR1751	ITM
PR1758	ITM	473214!	PR1758	ITM	473214!	PR1758	ITM
PR1760	ITM	473226	PR1760	ITM	473226	PR1760	ITM
PR1764	ITM	473228!	PR1764	ITM	473228!	PR1764	ITM
PR1772	ITM	473229!	PR1772	ITM	473229!	PR1772	ITM
PR1773	ITM	473229!	PR1773	ITM	473229!	PR1773	ITM
PR1779	ITM	473229!	PR1779	ITM	473229!	PR1779	ITM
PR1781	ITM	472164!	PR1781	ITM	472164!	PR1781	ITM
PR1782	ITM	472164!	PR1782	ITM	472164!	PR1782	ITM
PR1783	ITM	472164!	PR1783	ITM	472164!	PR1783	ITM
PR1788	ITM	472164!	PR1788	ITM	472164!	PR1788	ITM
PR1790	ITM	473454	PR1790	ITM	473454	PR1790	ITM
PR1792	ITM	471195!	PR1792	ITM	471195!	PR1792	ITM
PR1810	ITM	470682	PR1810	ITM	470682	PR1810	ITM
PR1817	ITM	472185!	PR1817	ITM	472185!	PR1817	ITM
PR1823	ITM	472439	PR1823	ITM	472439	PR1823	ITM
PR1824	ITM	471424!	PR1824	ITM	471424!	PR1824	ITM
PR1834	ITM	471868	PR1834	ITM	471868	PR1834	ITM
PR1836	ITM	471870!	PR1836	ITM	471870!	PR1836	ITM
PR1840	ITM	450765!	PR1840	ITM	450765!	PR1840	ITM
PR1841	ITM	323119	PR1841	ITM	323119	PR1841	ITM
PR1843	ITM	323119	PR1843	ITM	323119	PR1843	ITM
PR1846	ITM	474272	PR1846	ITM	474272	PR1846	ITM
PR1847	ITM	473440!	PR1847	ITM	473440!	PR1847	ITM
PR1856	ITM	472179	PR1856	ITM	472179	PR1856	ITM
PR1857	ITM	472572!	PR1857	ITM	472572!	PR1857	ITM
PR1860	ITM	473241	PR1860	ITM	473241	PR1860	ITM
PR1861	ITM	472492!	PR1861	ITM	472492!	PR1861	ITM
PR1862	ITM	472492!	PR1862	ITM	472492!	PR1862	ITM
PR1863	ITM	472492!	PR1863	ITM	472492!	PR1863	ITM
PR1865	ITM	331107N	PR1865	ITM	331107N	PR1865	ITM
PR1868	ITM	473204	PR1868	ITM	473204	PR1868	ITM
PR1879	ITM	473444!	PR1879	ITM	473444!	PR1879	ITM
PR1883	ITM	473238!	PR1883	ITM	473238!	PR1883	ITM
PR1884	ITM	473238!	PR1884	ITM	473238!	PR1884	ITM
PR1885	ITM	472144!	PR1885	ITM	472144!	PR1885	ITM
PR1886	ITM	472924!	PR1886	ITM	472924!	PR1886	ITM
PR1887	ITM	472924!	PR1887	ITM	472924!	PR1887	ITM
PR1888	ITM	451948	PR1888	ITM	451948	PR1888	ITM
PR1899	ITM	410989	PR1899	ITM	410989	PR1899	ITM
PR1899	ITM	470989	PR1899	ITM	470989	PR1899	ITM
PR1902	ITM	471984	PR1902	ITM	471984	PR1902	ITM
PR1903	ITM	471984	PR1903	ITM	471984	PR1903	ITM
PR1906	ITM	7044NA	PR1906	ITM	7044NA	PR1906	ITM
PR1907	ITM	473239!	PR1907	ITM	473239!	PR1907	ITM
PR1908	ITM	473239!	PR1908	ITM	473239!	PR1908	ITM
PR1911	ITM	472394	PR1911	ITM	472394	PR1911	ITM
PR1912	ITM	472394	PR1912	ITM	472394	PR1912	ITM
PR1914	ITM	472394	PR1914	ITM	472394	PR1914	ITM
PR1915	ITM	410308!	PR1915	ITM	410308!	PR1915	ITM
PR1915	ITM	473468	PR1915	ITM	473468	PR1915	ITM
PR1916	ITM	472397!	PR1916	ITM	472397!	PR1916	ITM
PR1917	ITM	472397!	PR1917	ITM	472397!	PR1917	ITM
PR1918	ITM	472492!	PR1918	ITM	472492!	PR1918	ITM
PR1921	ITM	330385!	PR1921	ITM	330385!	PR1921	ITM
PR1924	ITM	473467	PR1924	ITM	473467	PR1924	ITM
PR1927	ITM	471272!	PR1927	ITM	471272!	PR1927	ITM
PR1928	ITM	471272!	PR1928	ITM	471272!	PR1928	ITM
PR1929	ITM	470605!	PR1929	ITM	470605!	PR1929	ITM
PR1930	ITM	472397!	PR1930	ITM	472397!	PR1930	ITM
PR1931	ITM	471272!	PR1931	ITM	471272!	PR1931	ITM
PR1932	ITM	471272!	PR1932	ITM	471272!	PR1932	ITM
PR1933	ITM	471272!	PR1933	ITM	471272!	PR1933	ITM
PR1934	ITM	473241	PR1934	ITM	473241	PR1934	ITM
PR1937	ITM	470764!	PR1937	ITM	470764!	PR1937	ITM
PR1937	ITM	50764	PR1937	ITM	50764	PR1937	ITM
PR1938	ITM	471341!	PR1938	ITM	471341!	PR1938	ITM
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PR1939	ITM	50764	PR1939	ITM	50764	PR1939	ITM
PR1941	ITM	40555	PR1941	ITM	40555	PR1941	ITM
PR1941	ITM	40555S!	PR1941	ITM	40555S!	PR1941	ITM
PR1945	ITM	410308!	PR1945	ITM	410308!	PR1945	ITM
PR1945	ITM	473468	PR1945	ITM	473468	PR1945	ITM

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
PR1951	ITM	470565!	PR2099	ITM	415449!	PR2257	ITM	417433!	PR2398	ITM	50149
PR1952	ITM	471138!	PR2100	ITM	411376!	PR2258	ITM	417355!	PR2399	ITM	415995!
PR1953	ITM	472150	PR2101	ITM	417344!	PR2259	ITM	5405	PR2399	ITM	415995!
PR1958	ITM	43290S	PR2102	ITM	417967!	PR2262	ITM	5408	PR2401	ITM	472311!
PR1965	ITM	482267	PR2105	ITM	471564	PR2263	ITM	417343!	PR2402	ITM	1037
PR1968	ITM	226020	PR2106	ITM	471766!	PR2264	ITM	417316!	PR2404	ITM	417171!
PR1968	ITM	60X80X8!	PR2107	ITM	471567!	PR2267	ITM	417316!	PR2407	ITM	417490
PR1978	ITM	473464	PR2108	ITM	413246	PR2270	ITM	455005	PR2409	ITM	417491
PR1981	ITM	330385!	PR2111	ITM	412473!	PR2272	ITM	474264	PR2410	ITM	472164!
PR1985	ITM	471887	PR2112	ITM	471763	PR2274	ITM	471862	PR2411	ITM	5976S
PR1986	ITM	472029	PR2114	ITM	415449!	PR2276	ITM	417349	PR2414	ITM	416624!
PR1988	ITM	473243	PR2115	ITM	416921!	PR2277	ITM	417349!	PR2415	ITM	412920!
PR1989	ITM	473245!	PR2116	ITM	415449!	PR2278	ITM	417349!	PR2416	ITM	416624!
PR1990	ITM	472636!	PR2121	ITM	472492!	PR2279	ITM	417349	PR2419	ITM	417356!
PR1993	ITM	472636!	PR2122	ITM	471271!	PR2280	ITM	417349!	PR2421	ITM	55329=
PR1998	ITM	471271!	PR2127	ITM	470898	PR2283	ITM	6532S=	PR2423	ITM	416624!
PR1999	ITM	471271!	PR2128	ITM	416404!	PR2286	ITM	455280	PR2425	ITM	416624!
PR2002	ITM	415150!	PR2131	ITM	415302	PR2287	ITM	415371	PR2427	ITM	456744N
PR2003	ITM	417343!	PR2132	ITM	416891!	PR2288	ITM	456618	PR2431	ITM	415138!
PR2005	ITM	416666	PR2134	ITM	417549!	PR2289	ITM	6754S=	PR2436	ITM	471413!
PR2006	ITM	415645!	PR2135	ITM	415483	PR2290	ITM	415007	PR2438	ITM	351487
PR2007	ITM	417196!	PR2136	ITM	415483	PR2293	ITM	417316!	PR2442	ITM	415088
PR2008	ITM	456105	PR2137	ITM	415449!	PR2294	ITM	415960	PR2443	ITM	415088
PR2009	ITM	473423	PR2139	ITM	455434	PR2296	ITM	415960!	PR2444	ITM	415088
PR2010	ITM	471553!	PR2140	ITM	416664!	PR2302	ITM	471570!	PR2445	ITM	455356
PR2013	ITM	51032S	PR2143	ITM	416664!	PR2310	ITM	415254	PR2447	ITM	415088
PR2021	ITM	5487	PR2145	ITM	240731	PR2312	ITM	473203	PR2447	ITM	415088!
PR2029	ITM	473426	PR2147	ITM	8421S	PR2317	ITM	455655!	PR2449	ITM	415088!
PR2030	ITM	254270	PR2148	ITM	240414	PR2320	ITM	415001!	PR2449	ITM	415088
PR2032	ITM	412943	PR2150	ITM	473237!	PR2325	ITM	471141!	PR2450	ITM	415088
PR2033	ITM	8059S	PR2151	ITM	340210	PR2326	ITM	416921!	PR2452	ITM	5865
PR2035	ITM	471750!	PR2156	ITM	451182	PR2328	ITM	480630!	PR2456	ITM	455310
PR2036	ITM	412119!	PR2157	ITM	473214!	PR2330	ITM	472164!	PR2457	ITM	416229
PR2037	ITM	417484!	PR2161	ITM	416024	PR2331	ITM	415995!	PR2461	ITM	415072
PR2038	ITM	5481	PR2165	ITM	412861	PR2331	ITM	415995!	PR2462	ITM	417191
PR2042	ITM	410694!	PR2169	ITM	471689!	PR2332	ITM	415995!	PR2463	ITM	415437
PR2043	ITM	472018	PR2170	ITM	417073	PR2332	ITM	415995!	PR2463	ITM	415437!
PR2044	ITM	340835	PR2174	ITM	240151	PR2334	ITM	415995!	PR2467	ITM	417542
PR2045	ITM	471801!	PR2176	ITM	415001!	PR2336	ITM	416404!	PR2468	ITM	417492
PR2050	ITM	417507	PR2183	ITM	6863S!	PR2338	ITM	416404!	PR2469	ITM	415991!
PR2050	ITM	417507!	PR2184	ITM	5458	PR2339	ITM	417433!	PR2469	ITM	415991
PR2052	ITM	410496!	PR2189	ITM	472409!	PR2340	ITM	417433!	PR2471	ITM	471271!
PR2053	ITM	410496!	PR2190	ITM	472492!	PR2341	ITM	417433!	PR2474	ITM	55246=
PR2054	ITM	410496!	PR2194	ITM	471076	PR2352	ITM	473243	PR2477	ITM	415983N!
PR2055	ITM	471529	PR2197	ITM	415303!	PR2353	ITM	415138!	PR2479	ITM	415303!
PR2058	ITM	410102	PR2198	ITM	227040	PR2355	ITM	417621!	PR2481	ITM	416404!
PR2059	ITM	470380!	PR2198	ITM	70X90X10!	PR2356	ITM	417621	PR2482	ITM	416154!
PR2060	ITM	1167	PR2200	ITM	3392	PR2360	ITM	343105	PR2483	ITM	415088
PR2061	ITM	1167	PR2202	ITM	3392	PR2360	ITM	7399S!	PR2484	ITM	473228!
PR2063	ITM	472164!	PR2210	ITM	451143	PR2361	ITM	473010!	PR2485	ITM	417354!
PR2064	ITM	416154!	PR2211	ITM	340787	PR2363	ITM	415442!	PR2486	ITM	7840S
PR2065	ITM	471765!	PR2217	ITM	8168=	PR2363	ITM	55442	PR2487	ITM	417354!
PR2066	ITM	471868	PR2219	ITM	416273	PR2365	ITM	417487!	PR2488	ITM	415483
PR2067	ITM	413247!	PR2223	ITM	6241S	PR2365	ITM	417487	PR2489	ITM	455434
PR2069	ITM	473231!	PR2224	ITM	8133S	PR2367	ITM	417487!	PR2490	ITM	3395!
PR2070	ITM	450133	PR2225	ITM	415988	PR2367	ITM	417487	PR2490	ITM	352444
PR2073	ITM	413247!	PR2226	ITM	5406	PR2368	ITM	450143	PR2491	ITM	471785!
PR2075	ITM	471281!	PR2227	ITM	343105	PR2369	ITM	417487!	PR2493	ITM	417493
PR2076	ITM	413247!	PR2227	ITM	7399S!	PR2369	ITM	417487	PR2494	ITM	415711
PR2077	ITM	413247!	PR2229	ITM	340210	PR2370	ITM	471554!	PR2495	ITM	55646=
PR2079	ITM	413478	PR2230	ITM	415458!	PR2371	ITM	416288!	PR2496	ITM	455858
PR2080	ITM	450400	PR2231	ITM	7392S=	PR2373	ITM	476470!	PR2500	ITM	416332!
PR2081	ITM	472560N!	PR2238	ITM	200851	PR2374	ITM	476470	PR2502	ITM	472951
PR2082	ITM	470605!	PR2241	ITM	413478	PR2375	ITM	476470	PR2502	ITM	474252
PR2086	ITM	413248	PR2243	ITM	470605!	PR2376	ITM	476470	PR2507	ITM	417211!
PR2087	ITM	470334!	PR2244	ITM	470605!	PR2377	ITM	471192	PR2510	ITM	5965
PR2088	ITM	450104	PR2245	ITM	2503	PR2381	ITM	416292	PR2512	ITM	471689!
PR2092	ITM	415984!	PR2245	ITM	2503N	PR2384	ITM	484054	PR2513	ITM	473237!
PR2093	ITM	417082	PR2246	ITM	415449!	PR2386	ITM	476470	PR2516	ITM	456305
PR2095	ITM	473466	PR2247	ITM	411376!	PR2387	ITM	415082	PR2518	ITM	415379
PR2096	ITM	412473!	PR2249	ITM	473235!	PR2390	ITM	476838!	PR2521	ITM	415937!
PR2097	ITM	471733	PR2253	ITM	470954!	PR2396	ITM	415043	PR2522	ITM	417501

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
PR2524	ITM	415379	PR2657	ITM	472157	PR2781	ITM	473475	PR2893	ITM	200640
PR2526	ITM	471442!	PR2664	ITM	470380!	PR2782	ITM	416149	PR2895	ITM	452222!
PR2527	ITM	450482	PR2667	ITM	6985	PR2784	ITM	417356!	PR2896	ITM	417551
PR2530	ITM	416339	PR2668	ITM	471984	PR2785	ITM	473236!	PR2899	ITM	472070
PR2531	ITM	474281!	PR2670	ITM	473227!	PR2786	ITM	416149	PR2901	ITM	472924!
PR2535	ITM	457294	PR2673	ITM	473464	PR2787	ITM	472258!	PR2906	ITM	473214
PR2536	ITM	473213!	PR2675	ITM	415958	PR2788	ITM	470954!	PR2908	ITM	417541
PR2537	ITM	457294	PR2677	ITM	323126	PR2791	ITM	416154!	PR2909	ITM	417541
PR2538	ITM	457294	PR2677	ITM	474278	PR2792	ITM	416154!	PR2910	ITM	410708
PR2540	ITM	450400	PR2678	ITM	415425	PR2793	ITM	416154!	PR2911	ITM	417344!
PR2541	ITM	473238!	PR2680	ITM	415035	PR2797	ITM	416154!	PR2912	ITM	418029!
PR2542	ITM	471267!	PR2682	ITM	481443!	PR2798	ITM	417534	PR2914	ITM	473228
PR2543	ITM	455032!	PR2688	ITM	471138!	PR2800	ITM	471766!	PR2915	ITM	473215!
PR2545	ITM	455820	PR2689	ITM	417514	PR2801	ITM	416158	PR2916	ITM	415458!
PR2547	ITM	417494	PR2690	ITM	415036	PR2802	ITM	472319	PR2917	ITM	415437
PR2548	ITM	415001!	PR2691	ITM	417247!	PR2803	ITM	6815	PR2919	ITM	417351!
PR2549	ITM	417205!	PR2692	ITM	415036	PR2804	ITM	416158	PR2920	ITM	472015!
PR2558	ITM	455008	PR2694	ITM	455037	PR2806	ITM	350936	PR2921	ITM	471264!
PR2560	ITM	415021	PR2696	ITM	471870!	PR2807	ITM	451857	PR2923	ITM	411394!
PR2562	ITM	415035	PR2697	ITM	471766!	PR2808	ITM	471504	PR2924	ITM	415379
PR2563	ITM	415027	PR2698	ITM	417513	PR2809	ITM	470380!	PR2925	ITM	210945
PR2564	ITM	415035	PR2699	ITM	416891!	PR2809	ITM	472189A!	PR2926	ITM	415379
PR2570	ITM	416339	PR2700	ITM	417554!	PR2810	ITM	473231!	PR2927	ITM	412473!
PR2572	ITM	416339	PR2701	ITM	473464	PR2811	ITM	240698	PR2928	ITM	415991
PR2574	ITM	417344!	PR2702	ITM	455197N	PR2812	ITM	6547	PR2928	ITM	415991!
PR2575	ITM	415284	PR2703	ITM	473010!	PR2813	ITM	410987!	PR2929	ITM	472179
PR2577	ITM	416339	PR2704	ITM	416380!	PR2814	ITM	451078!	PR2930	ITM	417547
PR2577	ITM	455031!	PR2705	ITM	470088	PR2815	ITM	200642	PR2932	ITM	412920!
PR2578	ITM	417316	PR2706	ITM	455079!	PR2816	ITM	410737!	PR2934	ITM	417354!
PR2579	ITM	416339	PR2707	ITM	416380!	PR2820	ITM	416167!	PR2935	ITM	415645!
PR2580	ITM	415187	PR2708	ITM	415196!	PR2821	ITM	416167!	PR2935	ITM	455104
PR2581	ITM	415035	PR2709	ITM	471649!	PR2823	ITM	474253	PR2937	ITM	417350!
PR2582	ITM	416345!	PR2710	ITM	473214!	PR2824	ITM	417539!	PR2938	ITM	470712!
PR2585	ITM	417495	PR2711	ITM	415991	PR2825	ITM	353131	PR2940	ITM	417254
PR2586	ITM	415035	PR2711	ITM	415991!	PR2825	ITM	471231!	PR2942	ITM	415938
PR2587	ITM	471795	PR2712	ITM	415991	PR2826	ITM	412920!	PR2943	ITM	416271!
PR2588	ITM	415035	PR2712	ITM	415991!	PR2827	ITM	415725!	PR2944	ITM	417546!
PR2589	ITM	471649!	PR2713	ITM	473214!	PR2828	ITM	415449!	PR2945	ITM	417495
PR2590	ITM	470682	PR2715	ITM	416888!	PR2829	ITM	473240!	PR2946	ITM	415938
PR2593	ITM	415035	PR2717	ITM	417344!	PR2830	ITM	471231!	PR2947	ITM	415938
PR2595	ITM	415035	PR2719	ITM	415437	PR2831	ITM	471567!	PR2948	ITM	417360
PR2597	ITM	417344!	PR2721	ITM	473231!	PR2833	ITM	416267!	PR2950	ITM	417555!
PR2606	ITM	417495	PR2724	ITM	416149	PR2836	ITM	416130!	PR2951	ITM	417555!
PR2607	ITM	417316!	PR2726	ITM	415995!	PR2837	ITM	417353!	PR2956	ITM	480630!
PR2609	ITM	470380!	PR2726	ITM	415995!	PR2842	ITM	417522	PR2960	ITM	417542
PR2609	ITM	472189A!	PR2728	ITM	472492!	PR2843	ITM	416070	PR2961	ITM	417542
PR2612	ITM	416706!	PR2730	ITM	471689!	PR2844	ITM	417252	PR2963	ITM	471787!
PR2613	ITM	470898	PR2731	ITM	473454	PR2845	ITM	471272!	PR2964	ITM	481568!
PR2618	ITM	480210!	PR2732	ITM	416153!	PR2848	ITM	416557	PR2965	ITM	417549!
PR2622	ITM	416888!	PR2740	ITM	416135!	PR2853	ITM	450412	PR2966	ITM	416664!
PR2623	ITM	470625!	PR2741	ITM	416345!	PR2854	ITM	415351!	PR2969	ITM	476470
PR2624	ITM	416327	PR2742	ITM	415045!	PR2856	ITM	415066	PR2970	ITM	417554!
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PR2626	ITM	416327	PR2744	ITM	471442!	PR2861	ITM	417269!	PR2973	ITM	416288!
PR2628	ITM	455471	PR2745	ITM	415047	PR2863	ITM	417273	PR2974	ITM	481163!
PR2631	ITM	417484!	PR2746	ITM	417525	PR2864	ITM	416865!	PR2975	ITM	55357
PR2632	ITM	415559	PR2747	ITM	417533	PR2865	ITM	416865!	PR2976	ITM	416107!
PR2633	ITM	471689!	PR2749	ITM	415284	PR2866	ITM	416865!	PR2977	ITM	472354!
PR2634	ITM	415559	PR2751	ITM	415138!	PR2867	ITM	417258	PR2978	ITM	412040
PR2636	ITM	417499	PR2759	ITM	417538	PR2868	ITM	417258	PR2979	ITM	416107!
PR2637	ITM	417499	PR2760	ITM	415711	PR2870	ITM	417262!	PR2980	ITM	417549!
PR2643	ITM	470954	PR2761	ITM	471649!	PR2871	ITM	224015	PR2981	ITM	416107!
PR2644	ITM	472492!	PR2764	ITM	471643!	PR2872	ITM	417262!	PR2983	ITM	417362!
PR2647	ITM	417357	PR2767	ITM	470334!	PR2874	ITM	455008	PR2985	ITM	55392=
PR2648	ITM	471224!	PR2772	ITM	455203	PR2876	ITM	473232!	PR2986	ITM	472164
PR2649	ITM	415142	PR2773	ITM	416137	PR2877	ITM	476842	PR2989	ITM	417349!
PR2650	ITM	455194	PR2774	ITM	416137	PR2879	ITM	412473!	PR2992	ITM	417544
PR2653	ITM	353131	PR2775	ITM	472164!	PR2887	ITM	471255!	PR2994	ITM	471141!
PR2653	ITM	471231!	PR2777	ITM	416137	PR2889	ITM	417546!	PR2995	ITM	472185!
PR2654	ITM	471413!	PR2778	ITM	471224!	PR2890	ITM	415035	PR2999	ITM	416666
PR2656	ITM	471267!	PR2779	ITM	416321	PR2891	ITM	417358	PR3000	ITM	471750!
PR2657	ITM	416556!	PR2780	ITM	416149	PR2892	ITM	470530!	PR3001	ITM	473475

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
PR3002	ITM	473444!	PR3150	ITM	50402	PR3291	ITM	471442!	PR3446	ITM	224040
PR3004	ITM	470334!	PR3151	ITM	471760	PR3292	ITM	471554!	PR3446	ITM	40X60X10!
PR3007	ITM	473225!	PR3154	ITM	43076S	PR3293	ITM	471498	PR3452	ITM	470565!
PR3008	ITM	417499	PR3155	ITM	410694!	PR3296	ITM	470606!	PR3453	ITM	472397!
PR3009	ITM	473226	PR3156	ITM	473241	PR3297	ITM	473454	PR3454	ITM	472164!
PR3011	ITM	40154S	PR3157	ITM	412725	PR3298	ITM	415991	PR3456	ITM	470590
PR3014	ITM	473010!	PR3162	ITM	416008	PR3298	ITM	415991!	PR3458	ITM	471192
PR3018	ITM	415683	PR3165	ITM	416239!	PR3300	ITM	416657	PR3460	ITM	473214!
PR3020	ITM	456305	PR3166	ITM	416239!	PR3306	ITM	471255!	PR3461	ITM	473214!
PR3021	ITM	415683	PR3167	ITM	473016!	PR3307	ITM	473425	PR3464	ITM	470354
PR3023	ITM	416476!	PR3168	ITM	472492!	PR3308	ITM	455476	PR3470	ITM	1012
PR3024	ITM	416476!	PR3173	ITM	415867	PR3309	ITM	471504	PR3470	ITM	1012N
PR3025	ITM	417365	PR3174	ITM	415867	PR3310	ITM	470950!	PR3470	ITM	45X62X8!
PR3026	ITM	410102	PR3176	ITM	416077	PR3310	ITM	6241S	PR3474	ITM	1062=
PR3028	ITM	417365	PR3178	ITM	416102	PR3312	ITM	418028	PR3476	ITM	473228!
PR3031	ITM	455330!	PR3179	ITM	415116	PR3313	ITM	413247!	PR3477	ITM	471795
PR3032	ITM	472299	PR3181	ITM	410987!	PR3314	ITM	417022	PR3479	ITM	471766!
PR3035	ITM	471801!	PR3182	ITM	473367	PR3316	ITM	43089S	PR3481	ITM	472299
PR3036	ITM	470625!	PR3185	ITM	473214!	PR3318	ITM	353120	PR3484	ITM	1208
PR3043	ITM	473231!	PR3186	ITM	471646!	PR3319	ITM	455462	PR3484	ITM	48X72X7!
PR3044	ITM	340724!	PR3189	ITM	471267!	PR3320	ITM	473233!	PR3485	ITM	226020
PR3048	ITM	473228!	PR3193	ITM	472213	PR3323	ITM	471787!	PR3485	ITM	60X80X8!
PR3049	ITM	471195!	PR3194	ITM	473231!	PR3324	ITM	481834	PR3486	ITM	222242
PR3050	ITM	473455!	PR3195	ITM	472311!	PR3326	ITM	413472	PR3487	ITM	224045
PR3052	ITM	471195!	PR3196	ITM	453065	PR3329	ITM	2260	PR3487	ITM	40X62X12!
PR3056	ITM	417191	PR3201	ITM	472070	PR3330	ITM	1167	PR3488	ITM	471504
PR3058	ITM	473454	PR3202	ITM	474274	PR3331	ITM	224252	PR3490	ITM	450593!
PR3060	ITM	473205!	PR3204	ITM	473458!	PR3338	ITM	481481	PR3495	ITM	472164!
PR3062	ITM	471692!	PR3206	ITM	457097=	PR3340	ITM	415090	PR3498	ITM	471224!
PR3063	ITM	55692=	PR3207	ITM	55524	PR3344	ITM	55078S	PR3503	ITM	471413!
PR3066	ITM	472258!	PR3208	ITM	473238!	PR3345	ITM	472572!	PR3504	ITM	471558
PR3067	ITM	410102	PR3209	ITM	471272!	PR3346	ITM	240698	PR3506	ITM	415302
PR3068	ITM	472924!	PR3210	ITM	412027	PR3347	ITM	417073	PR3507	ITM	1077=
PR3070	ITM	471316	PR3213	ITM	415551	PR3348	ITM	471870!	PR3508	ITM	472299
PR3076	ITM	472572!	PR3216	ITM	1184	PR3349	ITM	471526!	PR3509	ITM	473228!
PR3077	ITM	455480!	PR3221	ITM	417598	PR3351	ITM	473454	PR3510	ITM	471224!
PR3080	ITM	415072	PR3224	ITM	455406!	PR3352	ITM	471649!	PR3511	ITM	471192
PR3082	ITM	415294!	PR3228	ITM	471466!	PR3354	ITM	471868	PR3517	ITM	471141!
PR3083	ITM	415294!	PR3230	ITM	416664!	PR3355	ITM	55329=	PR3518	ITM	413248
PR3085	ITM	415294!	PR3231	ITM	417600	PR3356	ITM	471692!	PR3520	ITM	471271!
PR3088	ITM	55108=	PR3233	ITM	473234!	PR3357	ITM	473441	PR3521	ITM	415045!
PR3089	ITM	472439	PR3236	ITM	415138!	PR3359	ITM	330385!	PR3524	ITM	415138!
PR3090	ITM	43078S	PR3237	ITM	470605!	PR3360	ITM	240470	PR3525	ITM	416158
PR3091	ITM	472299	PR3239	ITM	417601	PR3361	ITM	471692!	PR3526	ITM	417584
PR3092	ITM	55108=	PR3242	ITM	343105	PR3364	ITM	473230!	PR3527	ITM	417511
PR3099	ITM	417562	PR3242	ITM	7399S!	PR3366	ITM	417191	PR3530	ITM	415072
PR3102	ITM	1170	PR3250	ITM	472492!	PR3369	ITM	417020	PR3531	ITM	416029N!
PR3108	ITM	471737	PR3251	ITM	474265	PR3370	ITM	417020	PR3532	ITM	416364!
PR3111	ITM	415058	PR3252	ITM	414268!	PR3373	ITM	413472	PR3533	ITM	416239!
PR3113	ITM	470380!	PR3254	ITM	415958	PR3378	ITM	415227!	PR3540	ITM	473016!
PR3114	ITM	415854	PR3259	ITM	473210	PR3379	ITM	417571	PR3547	ITM	470954!
PR3115	ITM	417563	PR3260	ITM	471854!	PR3380	ITM	8996S=	PR3548	ITM	416041
PR3116	ITM	417563	PR3261	ITM	417602!	PR3381	ITM	415991	PR3551	ITM	416135!
PR3117	ITM	451948	PR3262	ITM	417602!	PR3381	ITM	415991!	PR3552	ITM	416332!
PR3118	ITM	1992	PR3263	ITM	471854!	PR3382	ITM	472572!	PR3557	ITM	471870!
PR3119	ITM	417563	PR3264	ITM	470954!	PR3383	ITM	471801!	PR3560	ITM	473227
PR3120	ITM	455480!	PR3267	ITM	415683	PR3385	ITM	470334!	PR3566	ITM	473444!
PR3124	ITM	55108=	PR3269	ITM	412725	PR3386	ITM	471571	PR3568	ITM	471652
PR3125	ITM	472164!	PR3270	ITM	472492!	PR3391	ITM	415871	PR3569	ITM	471211
PR3127	ITM	416229	PR3272	ITM	43078S	PR3392	ITM	471766!	PR3570	ITM	471801!
PR3128	ITM	450639	PR3277	ITM	417602!	PR3395	ITM	415483	PR3571	ITM	416158
PR3130	ITM	473234!	PR3278	ITM	471766!	PR3396	ITM	415066	PR3582	ITM	416394
PR3131	ITM	40337S	PR3279	ITM	330385!	PR3398	ITM	471354!	PR3586	ITM	417605
PR3133	ITM	470625!	PR3281	ITM	471224!	PR3399	ITM	471649!	PR3588	ITM	416257
PR3134	ITM	416364!	PR3282	ITM	340815	PR3402	ITM	471281!	PR3592	ITM	340400
PR3136	ITM	416364!	PR3283	ITM	471466!	PR3412	ITM	417606	PR3599	ITM	473427
PR3137	ITM	416364!	PR3284	ITM	473440!	PR3416	ITM	417608	PR3602	ITM	417606
PR3138	ITM	470625!	PR3285	ITM	473231!	PR3419	ITM	473238!	PR3609	ITM	50199S!
PR3140	ITM	472179	PR3286	ITM	473215!	PR3420	ITM	473423	PR3609	ITM	6863S!
PR3142	ITM	472572!	PR3287	ITM	55301S	PR3421	ITM	417606	PR3610	ITM	471264!
PR3143	ITM	417298	PR3289	ITM	471466!	PR3435	ITM	471763	PR3611	ITM	471264!
PR3145	ITM	417596	PR3290	ITM	471554!	PR3444	ITM	472492!	PR3612	ITM	472029

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
PR4810	ITM	473242	PR4932	ITM	455308	PR5037	ITM	481792	PR5129	ITM	473241
PR4813	ITM	473237!	PR4933	ITM	473367	PR5038	ITM	450604	PR5130	ITM	472144!
PR4814	ITM	472492!	PR4934	ITM	416282	PR5040	ITM	473427	PR5131	ITM	472394
PR4817	ITM	5976S	PR4935	ITM	473232!	PR5041	ITM	472475	PR5133	ITM	471424!
PR4818	ITM	471267!	PR4936	ITM	417269!	PR5042	ITM	471765!	PR5134	ITM	471870!
PR4819	ITM	474253	PR4937	ITM	415023	PR5043	ITM	471354!	PR5135	ITM	472492!
PR4820	ITM	470328	PR4939	ITM	416380!	PR5044	ITM	473205!	PR5136	ITM	472924!
PR4820	ITM	481213!	PR4942	ITM	473232!	PR5047	ITM	471737	PR5137	ITM	472397!
PR4822	ITM	471224!	PR4943	ITM	471554!	PR5048	ITM	471766!	PR5138	ITM	473242
PR4825	ITM	472354!	PR4945	ITM	450557	PR5049	ITM	471787!	PR5139	ITM	412027
PR4826	ITM	473463	PR4945	ITM	471255!	PR5050	ITM	471795	PR5140	ITM	410102
PR4829	ITM	415871	PR4946	ITM	472810!	PR5051	ITM	471801!	PR5144	ITM	55524
PR4831	ITM	417262!	PR4948	ITM	472705!	PR5052	ITM	471808!	PR5145	ITM	451948
PR4833	ITM	417556	PR4954	ITM	224015	PR5053	ITM	471833	PR5146	ITM	472012
PR4834	ITM	415867	PR4955	ITM	481163!	PR5055	ITM	473210	PR5147	ITM	473204
PR4837	ITM	415458!	PR4956	ITM	417205!	PR5056	ITM	472826!	PR5148	ITM	470898
PR4838	ITM	415458!	PR4959	ITM	417486	PR5057	ITM	473211!	PR5149	ITM	471646!
PR4839	ITM	470898	PR4963	ITM	473212!	PR5058	ITM	473212!	PR5150	ITM	410308!
PR4846	ITM	45187S	PR4964	ITM	473426	PR5059	ITM	473213!	PR5150	ITM	473468
PR4847	ITM	415995!	PR4965	ITM	473227!	PR5060	ITM	481834	PR5151	ITM	472016!
PR4847	ITM	415995!	PR4966	ITM	472475	PR5062	ITM	472258!	PR5152	ITM	473243
PR4848	ITM	473473	PR4967	ITM	471868	PR5063	ITM	470774!	PR5153	ITM	413470!
PR4849	ITM	412119!	PR4968	ITM	410737!	PR5064	ITM	471192	PR5154	ITM	416267!
PR4854	ITM	345146	PR4969	ITM	6324S=	PR5065	ITM	473214!	PR5155	ITM	473244!
PR4855	ITM	55030	PR4970	ITM	470954!	PR5066	ITM	473215!	PR5156	ITM	472018
PR4857	ITM	481073	PR4971	ITM	254287	PR5067	ITM	471835!	PR5157	ITM	473245!
PR4858	ITM	417191	PR4973	ITM	471570!	PR5068	ITM	472843	PR5158	ITM	413472
PR4862	ITM	471570!	PR4974	ITM	471224!	PR5071	ITM	3395!	PR5159	ITM	416268
PR4864	ITM	416404!	PR4975	ITM	415437	PR5071	ITM	352444	PR5161	ITM	471272!
PR4866	ITM	416706!	PR4979	ITM	455121	PR5072	ITM	473224!	PR5162	ITM	473473
PR4868	ITM	472144!	PR4980	ITM	471466!	PR5073	ITM	473016!	PR5163	ITM	471138!
PR4869	ITM	471646!	PR4983	ITM	415447	PR5074	ITM	473225!	PR5164	ITM	472636!
PR4870	ITM	473475	PR4985	ITM	413247!	PR5075	ITM	473226	PR5165	ITM	412920!
PR4871	ITM	417181!	PR4986	ITM	415001!	PR5076	ITM	473227!	PR5166	ITM	411376!
PR4873	ITM	411245!	PR4988	ITM	472572!	PR5077	ITM	470625!	PR5167	ITM	415234!
PR4874	ITM	1174	PR4989	ITM	473215!	PR5078	ITM	470380!	PR5168	ITM	415259!
PR4874	ITM	38X52X8.5!	PR4990	ITM	50514	PR5079	ITM	473228!	PR5169	ITM	55337
PR4880	ITM	472826!	PR4991	ITM	417349!	PR5081	ITM	473440!	PR5170	ITM	472150
PR4882	ITM	471529	PR4994	ITM	416239!	PR5083	ITM	471958	PR5172	ITM	411394!
PR4883	ITM	471765!	PR4997	ITM	416865!	PR5085	ITM	472213	PR5173	ITM	450133
PR4884	ITM	417621!	PR5000	ITM	471526!	PR5086	ITM	472299	PR5174	ITM	416444
PR4885	ITM	472164!	PR5001	ITM	471472!	PR5088	ITM	470682	PR5176	ITM	470565!
PR4888	ITM	471689!	PR5002	ITM	471549!	PR5089	ITM	473441	PR5177	ITM	413246
PR4889	ITM	6703S	PR5003	ITM	471535!	PR5090	ITM	473442!	PR5178	ITM	413247!
PR4890	ITM	352541	PR5004	ITM	471551!	PR5092	ITM	473230!	PR5179	ITM	416271!
PR4891	ITM	416158	PR5005	ITM	471264!	PR5093	ITM	473231!	PR5180	ITM	410825
PR4892	ITM	415995!	PR5006	ITM	471255!	PR5094	ITM	473010!	PR5181	ITM	416071
PR4892	ITM	415995!	PR5007	ITM	471564	PR5095	ITM	473232!	PR5182	ITM	412040
PR4893	ITM	352541	PR5008	ITM	471553!	PR5096	ITM	474274	PR5183	ITM	413478
PR4895	ITM	471424!	PR5009	ITM	471554!	PR5097	ITM	473444!	PR5184	ITM	411245!
PR4896	ITM	473212!	PR5010	ITM	471567!	PR5101	ITM	473233!	PR5186	ITM	472029
PR4898	ITM	471734	PR5011	ITM	471643!	PR5102	ITM	473234!	PR5187	ITM	471271!
PR4900	ITM	473426	PR5012	ITM	471689!	PR5103	ITM	473235!	PR5188	ITM	470605!
PR4901	ITM	472311!	PR5013	ITM	470390	PR5104	ITM	473236!	PR5189	ITM	415449!
PR4902	ITM	415449!	PR5014	ITM	471570!	PR5105	ITM	473446	PR5190	ITM	416273
PR4907	ITM	416556!	PR5016	ITM	471646!	PR5106	ITM	471981	PR5191	ITM	455079!
PR4907	ITM	472157	PR5017	ITM	470590	PR5107	ITM	473237!	PR5192	ITM	415082
PR4910	ITM	415991	PR5018	ITM	471730	PR5108	ITM	472164!	PR5193	ITM	455655!
PR4910	ITM	415991!	PR5020	ITM	472951	PR5109	ITM	472185!	PR5194	ITM	355732
PR4912	ITM	450593!	PR5020	ITM	474252	PR5110	ITM	472179	PR5196	ITM	415302
PR4913	ITM	473205!	PR5021	ITM	471649!	PR5111	ITM	471141!	PR5197	ITM	415988
PR4915	ITM	417433!	PR5022	ITM	471689!	PR5112	ITM	471984	PR5198	ITM	417481
PR4919	ITM	253099	PR5023	ITM	471733	PR5118	ITM	472070	PR5200	ITM	410708
PR4920	ITM	473231!	PR5024	ITM	471760	PR5119	ITM	473449!	PR5201	ITM	415483
PR4922	ITM	6110=	PR5025	ITM	471619!	PR5120	ITM	473450!	PR5202	ITM	415458!
PR4923	ITM	470950!	PR5029	ITM	50505=	PR5122	ITM	473454	PR5203	ITM	417343!
PR4923	ITM	6241S	PR5030	ITM	471705!	PR5123	ITM	472439	PR5204	ITM	415007
PR4925	ITM	417601	PR5031	ITM	471735	PR5124	ITM	472572!	PR5205	ITM	417082
PR4926	ITM	473438	PR5032	ITM	471762!	PR5125	ITM	473238!	PR5207	ITM	455151
PR4928	ITM	416239!	PR5034	ITM	470712!	PR5126	ITM	473239!	PR5208	ITM	455008
PR4930	ITM	415219	PR5035	ITM	471763	PR5127	ITM	473240!	PR5210	ITM	416664!
PR4931	ITM	455251=	PR5036	ITM	471785!	PR5128	ITM	472319	PR5211	ITM	415984!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
PR5212	ITM	417316!	PR5290	ITM	415196!	PR5545	ITM	411253!	PR5647	ITM	417316!
PR5213	ITM	415960	PR5291	ITM	416891!	PR5550	ITM	470954!	PR5649	ITM	473517!
PR5214	ITM	416706!	PR5292	ITM	415045!	PR5551	ITM	471466!	PR5650	ITM	484054
PR5215	ITM	476281	PR5293	ITM	416137	PR5552	ITM	481834	PR5654	ITM	415389
PR5216	ITM	416282	PR5294	ITM	415058	PR5553	ITM	415001!	PR5656	ITM	417181!
PR5218	ITM	417485	PR5295	ITM	416556!	PR5555	ITM	472354!	PR5657	ITM	412119!
PR5219	ITM	415303!	PR5295	ITM	472157	PR5557	ITM	415138!	PR5658	ITM	416500
PR5220	ITM	417344!	PR5296	ITM	415425	PR5558	ITM	413248	PR5659	ITM	410737!
PR5221	ITM	417488!	PR5297	ITM	416380!	PR5559	ITM	416135!	PR5660	ITM	55469
PR5222	ITM	416921!	PR5298	ITM	415047	PR5561	ITM	1094 =	PR5662	ITM	473274
PR5224	ITM	455144	PR5299	ITM	416149	PR5562	ITM	416271!	PR5663	ITM	450090
PR5225	ITM	416956	PR5300	ITM	415060	PR5563	ITM	470605!	PR5665	ITM	410694!
PR5226	ITM	417159	PR5301	ITM	327303!	PR5564	ITM	415449!	PR5669	ITM	417254
PR5227	ITM	416654!	PR5302	ITM	417530	PR5565	ITM	455005	PR5670	ITM	417360
PR5228	ITM	417349!	PR5303	ITM	416888!	PR5566	ITM	455556	PR5672	ITM	416107!
PR5229	ITM	417350!	PR5304	ITM	416892!	PR5567	ITM	417350!	PR5673	ITM	350974!
PR5230	ITM	415995!	PR5305	ITM	416154!	PR5568	ITM	417351!	PR5674	ITM	417354!
PR5230	ITM	415995!	PR5306	ITM	415351!	PR5569	ITM	417488!	PR5675	ITM	410496!
PR5231	ITM	417487	PR5307	ITM	415371	PR5570	ITM	417621!	PR5676	ITM	456744N
PR5231	ITM	417487!	PR5308	ITM	416158	PR5571	ITM	417171!	PR5677	ITM	417532
PR5232	ITM	415088	PR5309	ITM	415138!	PR5573	ITM	412473!	PR5679	ITM	455858
PR5234	ITM	455019!	PR5310	ITM	417247!	PR5574	ITM	416624!	PR5680	ITM	410987!
PR5235	ITM	416404!	PR5311	ITM	415066	PR5575	ITM	416332!	PR5681	ITM	417514
PR5236	ITM	416288!	PR5312	ITM	416167!	PR5576	ITM	415263	PR5682	ITM	415045!
PR5237	ITM	417172	PR5313	ITM	417269!	PR5577	ITM	415487	PR5684	ITM	415349
PR5238	ITM	416024	PR5315	ITM	415725!	PR5577	ITM	417555!	PR5688	ITM	417597
PR5239	ITM	456105	PR5316	ITM	416865!	PR5578	ITM	415036	PR5689	ITM	472258
PR5240	ITM	455336	PR5335	ITM	415551	PR5579	ITM	456641	PR5690	ITM	55646 =
PR5241	ITM	417433!	PR5337	ITM	416364!	PR5580	ITM	415284	PR5697	ITM	411330!
PR5242	ITM	476470	PR5500	ITM	472258!	PR5581	ITM	417541	PR5699	ITM	416239!
PR5243	ITM	418028	PR5501	ITM	417349!	PR5582	ITM	417353!	PR5700	ITM	357302
PR5244	ITM	456305	PR5502	ITM	471571	PR5586	ITM	417355!	PR5700	ITM	415991
PR5245	ITM	415023	PR5503	ITM	471766!	PR5587	ITM	416327	PR5702	ITM	450143
PR5246	ITM	415085!	PR5504	ITM	471868	PR5588	ITM	471820	PR5707	ITM	473463
PR5247	ITM	455024	PR5505	ITM	471442!	PR5589	ITM	472636!	PR5708	ITM	417509
PR5248	ITM	416294!	PR5506	ITM	471554!	PR5591	ITM	452023 =	PR5709	ITM	417198
PR5249	ITM	417191	PR5507	ITM	471570!	PR5593	ITM	416664!	PR5710	ITM	415645!
PR5251	ITM	415025	PR5508	ITM	415711	PR5595	ITM	470954!	PR5711	ITM	417362!
PR5253	ITM	417492	PR5509	ITM	451078!	PR5596	ITM	476838!	PR5712	ITM	416666
PR5254	ITM	415991	PR5510	ITM	473425	PR5597	ITM	417507	PR5714	ITM	416039
PR5254	ITM	415991!	PR5511	ITM	471801!	PR5598	ITM	471195!	PR5716	ITM	455480!
PR5255	ITM	415437	PR5512	ITM	480844	PR5599	ITM	417196!	PR5717	ITM	417562
PR5256	ITM	415027	PR5513	ITM	473010!	PR5600	ITM	416156	PR5718	ITM	415854
PR5257	ITM	417495	PR5514	ITM	472164!	PR5602	ITM	417542	PR5720	ITM	417205!
PR5258	ITM	415559	PR5515	ITM	470334!	PR5603	ITM	417549!	PR5722	ITM	416557
PR5259	ITM	415389	PR5516	ITM	472492!	PR5604	ITM	417278	PR5723	ITM	417258
PR5260	ITM	415937!	PR5518	ITM	473464	PR5610	ITM	331228H	PR5724	ITM	417546!
PR5261	ITM	416125!	PR5519	ITM	415001!	PR5611	ITM	471651	PR5725	ITM	473415
PR5262	ITM	417499	PR5520	ITM	416149	PR5615	ITM	473258!	PR5726	ITM	417499
PR5263	ITM	415983N!	PR5521	ITM	471570!	PR5620	ITM	410737!	PR5727	ITM	415867
PR5264	ITM	415379	PR5522	ITM	470088	PR5621	ITM	55108 =	PR5730	ITM	473239!
PR5265	ITM	416339	PR5523	ITM	323119	PR5622	ITM	473459 =	PR5733	ITM	415294!
PR5266	ITM	415150!	PR5524	ITM	455249!	PR5623	ITM	9845	PR5735	ITM	416229
PR5268	ITM	417210!	PR5525	ITM	471141!	PR5624	ITM	473423	PR5736	ITM	417487!
PR5269	ITM	416345!	PR5526	ITM	450593!	PR5625	ITM	416921!	PR5736	ITM	417487
PR5270	ITM	415697!	PR5527	ITM	417223	PR5627	ITM	410308!	PR5784	ITM	473447
PR5271	ITM	417366!	PR5529	ITM	474264	PR5627	ITM	473468	PR5795	ITM	471316
PR5272	ITM	415958	PR5530	ITM	450776!	PR5628	ITM	471270!	PR5797	ITM	472397!
PR5274	ITM	415034!	PR5531	ITM	470328	PR5629	ITM	9569S	PR5802	ITM	470088
PR5276	ITM	457294	PR5531	ITM	481213!	PR5631	ITM	415991	PR5811	ITM	416738!
PR5277	ITM	415035	PR5533	ITM	471862	PR5631	ITM	415991!	PR5816	ITM	415984!
PR5278	ITM	417356!	PR5534	ITM	473458!	PR5632	ITM	416888	PR5817	ITM	476470
PR5279	ITM	417357	PR5535	ITM	1097N	PR5633	ITM	416273	PR6000	ITM	473231!
PR5280	ITM	416130!	PR5537	ITM	473459	PR5634	ITM	416297	PR6001	ITM	413247!
PR5281	ITM	415041	PR5538	ITM	484058	PR5636	ITM	417606	PR6002	ITM	476023N
PR5282	ITM	455134!	PR5539	ITM	331107N	PR5638	ITM	415995!	PR6007	ITM	473228
PR5283	ITM	417511	PR5540	ITM	417513	PR5638	ITM	415995!	PR6009	ITM	472179
PR5284	ITM	415142	PR5541	ITM	471795	PR5642	ITM	471570!	PR6010	ITM	473214!
PR5285	ITM	415043	PR5542	ITM	470950!	PR5643	ITM	472258!	PR6011	ITM	323119
PR5287	ITM	415295	PR5542	ITM	6241S	PR5644	ITM	417433 =	PR6012	ITM	415303!
PR5289	ITM	416556!	PR5543	ITM	473367	PR5645	ITM	457291	PR6014	ITM	40071S
PR5289	ITM	472157	PR5544	ITM	410524	PR5646	ITM	416364!	PR6017	ITM	471554!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
PR6021	ITM	415437	PR6152	ITM	5965	PR6292	ITM	417608	PR6510	ITM	3051N
PR6021	ITM	415437!	PR6154	ITM	8996S =	PR6295	ITM	473237!	PR6511	ITM	223240
PR6024	ITM	470605!	PR6156	ITM	471267!	PR6304	ITM	471831!	PR6511	ITM	32X48X8!
PR6027	ITM	417538	PR6159	ITM	417134	PR6310	ITM	470565!	PR6513	ITM	7013S
PR6028	ITM	417563	PR6160	ITM	6638S	PR6311	ITM	415458	PR6524	ITM	482126
PR6029	ITM	471138!	PR6162	ITM	415958	PR6313	ITM	473442!	PR6525	ITM	2551
PR6030	ITM	417357	PR6170	ITM	416891!	PR6315	ITM	417549!	PR6531	ITM	2503
PR6032	ITM	473425	PR6171	ITM	417354!	PR6318	ITM	473230!	PR6531	ITM	2503N
PR6035	ITM	455019!	PR6172	ITM	418028	PR6320	ITM	415437	PR6532	ITM	331227H
PR6036	ITM	417492	PR6173	ITM	473214!	PR6322	ITM	471651	PR6533	ITM	51322
PR6040	ITM	471821!	PR6183	ITM	8835S	PR6324	ITM	473228!	PR6534	ITM	1173
PR6042	ITM	311189	PR6186	ITM	413248	PR6330	ITM	471766 =	PR6536	ITM	224820
PR6043	ITM	331228H	PR6187	ITM	40555	PR6331	ITM	5472 =	PR6536	ITM	48X62X8!
PR6044	ITM	473245!	PR6187	ITM	40555S!	PR6332	ITM	473231!	PR6539	ITM	7751H
PR6046	ITM	473447	PR6189	ITM	42101S	PR6337	ITM	473228!	PR6553	ITM	472193!
PR6050	ITM	450313	PR6190	ITM	291295	PR6338	ITM	417498	PR6557	ITM	472258!
PR6051	ITM	456105	PR6191	ITM	473228!	PR6339	ITM	472082	PR6558	ITM	471766!
PR6052	ITM	417316!	PR6192	ITM	470334!	PR6342	ITM	3395!	PR6565	ITM	476574N
PR6053	ITM	415034!	PR6194	ITM	9569S	PR6342	ITM	352444	PR6569	ITM	471765!
PR6055	ITM	7751H	PR6199	ITM	1097N	PR6344	ITM	415449!	PR6571	ITM	226020
PR6058	ITM	417316!	PR6201	ITM	1184	PR6346	ITM	415960	PR6571	ITM	60X80X8!
PR6059	ITM	416738!	PR6205	ITM	1994	PR6350	ITM	7782N	PR6573	ITM	416892!
PR6060	ITM	480581 =	PR6205	ITM	48X70X9!	PR6352	ITM	472258!	PR6575	ITM	415379
PR6061	ITM	470682	PR6213	ITM	223542	PR6354	ITM	471652	PR6576	ITM	473444!
PR6062	ITM	476842	PR6213	ITM	35X55X11!	PR6361	ITM	8792S	PR6577	ITM	416071
PR6066	ITM	472572!	PR6214	ITM	473823	PR6363	ITM	472409!	PR6578	ITM	472397!
PR6067	ITM	416130!	PR6222	ITM	417349!	PR6370	ITM	7457N	PR6586	ITM	2443
PR6068	ITM	471787!	PR6223	ITM	415995!	PR6371	ITM	417247!	PR6590	ITM	416153!
PR6069	ITM	1091 =	PR6224	ITM	415449!	PR6373	ITM	1174	PR6592	ITM	252277
PR6071	ITM	8660S	PR6225	ITM	471272!	PR6373	ITM	38X52X8.5!	PR6594	ITM	417536
PR6072	ITM	8611N	PR6227	ITM	474276!	PR6374	ITM	1181	PR6595	ITM	1213N
PR6077	ITM	8976S	PR6230	ITM	470774!	PR6374	ITM	41X56X7!	PR6610	ITM	417316!
PR6082	ITM	222510	PR6231	ITM	470380!	PR6375	ITM	1183	PR6612	ITM	8695S
PR6082	ITM	25X35X7!	PR6231	ITM	472189A!	PR6376	ITM	224045	PR6614	ITM	471424!
PR6084	ITM	473258!	PR6232	ITM	9845	PR6376	ITM	40X62X12!	PR6615	ITM	472012
PR6085	ITM	1214	PR6234	ITM	472258!	PR6378	ITM	1992	PR6620	ITM	416383
PR6085	ITM	1214N	PR6235	ITM	415983N!	PR6379	ITM	8121S	PR6623	ITM	1953
PR6087	ITM	417366!	PR6238	ITM	42260S	PR6389	ITM	370001A	PR6623	ITM	42X60X7!
PR6089	ITM	470898!	PR6240	ITM	415036	PR6390	ITM	450260	PR6625	ITM	376590A
PR6090	ITM	415483	PR6249	ITM	1037	PR6391	ITM	471224!	PR6627	ITM	416394
PR6091	ITM	473231!	PR6250	ITM	493637	PR6392	ITM	480630!	PR6629	ITM	416102
PR6092	ITM	471539!	PR6252	ITM	415983N!	PR6395	ITM	471854!	PR6630	ITM	415960
PR6093	ITM	471267!	PR6254	ITM	417159	PR6396	ITM	471267!	PR6631	ITM	416500
PR6094	ITM	470088	PR6256	ITM	350364	PR6399	ITM	6703S	PR6632	ITM	417484!
PR6096	ITM	8935S	PR6258	ITM	350156	PR6401	ITM	473179!	PR6634	ITM	412119!
PR6097	ITM	412920!	PR6258	ITM	473096	PR6409	ITM	415303!	PR6637	ITM	418028
PR6098	ITM	456618	PR6261	ITM	471264!	PR6414	ITM	370037A	PR6640	ITM	1174
PR6099	ITM	6815	PR6262	ITM	471538!	PR6415	ITM	370036A	PR6640	ITM	38X52X8.5!
PR6101	ITM	41257!	PR6263	ITM	470954!	PR6416	ITM	5092	PR6644	ITM	416271!
PR6103	ITM	312518!	PR6264	ITM	471649!	PR6417	ITM	417158!	PR6647	ITM	2443
PR6103	ITM	342518	PR6265	ITM	471192	PR6422	ITM	416888!	PR6666	ITM	471984
PR6105	ITM	484058	PR6266	ITM	471192	PR6430	ITM	1196	PR6673	ITM	343104
PR6106	ITM	5473	PR6267	ITM	472164!	PR6433	ITM	476574N	PR7003	ITM	415001!
PR6107	ITM	416921!	PR6271	ITM	43290S	PR6438	ITM	471831!	PR7004	ITM	200322
PR6108	ITM	417520	PR6272	ITM	416273	PR6439	ITM	417357	PR7006	ITM	415077
PR6109	ITM	473244!	PR6273	ITM	415302	PR6444	ITM	350909	PR7008	ITM	417606
PR6110	ITM	6954S	PR6274	ITM	415960	PR6444	ITM	471224!	PR7014	ITM	415072
PR6112	ITM	1174	PR6276	ITM	415303!	PR6445	ITM	417343!	PR7016	ITM	416921!
PR6112	ITM	38X52X8.5!	PR6277	ITM	476470	PR6449	ITM	410989	PR7037	ITM	450557
PR6119	ITM	472439	PR6279	ITM	456744N	PR6449	ITM	470989	PR7037	ITM	471255!
PR6121	ITM	413246	PR6280	ITM	417211!	PR6455	ITM	472258!	PR8004	ITM	12X30X7
PR6126	ITM	350936	PR6281	ITM	415035	PR6462	ITM	226020	PR8012	ITM	14X28X6
PR6129	ITM	416557	PR6282	ITM	415295	PR6462	ITM	60X80X8!	PR8015	ITM	14X35X7
PR6130	ITM	475568 =	PR6283	ITM	415196!	PR6467	ITM	7044NA	PR8017	ITM	15X30X7
PR6134	ITM	415327	PR6284	ITM	416153!	PR6468	ITM	340835	PR8018	ITM	15X32X8
PR6135	ITM	472560N!	PR6285	ITM	416167!	PR6471	ITM	1170	PR8019	ITM	15X35X7
PR6138	ITM	415263	PR6286	ITM	417040	PR6472	ITM	32X58X8!	PR8024	ITM	16X30X7
PR6139	ITM	40322 =	PR6287	ITM	415124	PR6487	ITM	417350 =	PR8026	ITM	16X35X7
PR6145	ITM	224045	PR6288	ITM	417022	PR6492	ITM	1190	PR8031	ITM	17X30X7
PR6145	ITM	40X62X12!	PR6289	ITM	455129	PR6501	ITM	331173	PR8032	ITM	17X32X7
PR6147	ITM	471835!	PR6290	ITM	7639S	PR6502	ITM	1213N	PR8037	ITM	17X40X7
PR6148	ITM	472150	PR6291	ITM	415076	PR6505	ITM	228020	PR8042	ITM	18X32X8

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
PR8047	ITM	18X40X7	PR8227	ITM	1953	PR8377	ITM	75X95X10	PR8691	ITM	476281
PR8050	ITM	221925	PR8227	ITM	42X60X7!	PR8378	ITM	227550	PR8692	ITM	416282
PR8058	ITM	20X35X7!	PR8228	ITM	224252	PR8378	ITM	75X100X12!	PR8694	ITM	417350!
PR8062	ITM	20X40X7!	PR8228	ITM	42X62X8!	PR8383	ITM	78X100X10	PR8695	ITM	453182
PR8062	ITM	222050	PR8229	ITM	224255	PR8387	ITM	228010	PR8696	ITM	415036N
PR8066	ITM	20X47X7	PR8229	ITM	42X65X10!	PR8388	ITM	228020	PR8697	ITM	415088
PR8069	ITM	20X52X7	PR8232	ITM	224270	PR8388	ITM	80X105X13!	PR8699	ITM	455019!
PR8077	ITM	22X40X7	PR8232	ITM	42X72X10!	PR8389	ITM	80X110X12	PR8700	ITM	416404!
PR8081	ITM	22X47X7	PR8238	ITM	224462	PR8397	ITM	85X110X12	PR8701	ITM	416288!
PR8086	ITM	24X40X7!	PR8238	ITM	44X62X8!	PR8399	ITM	85X120X12	PR8702	ITM	416024
PR8090	ITM	24X47X7	PR8242	ITM	224270	PR8405	ITM	229005	PR8703	ITM	417433!
PR8094	ITM	222540	PR8242	ITM	42X72X10!	PR8405	ITM	229006	PR8704	ITM	476470
PR8098	ITM	25X47X7	PR8243	ITM	224520	PR8413	ITM	95X120X12	PR8705	ITM	456305
PR8101	ITM	25X52X7!	PR8243	ITM	45X60X10!	PR8415	ITM	229520	PR8706	ITM	415023
PR8112	ITM	26X47X7	PR8245	ITM	1992	PR8415	ITM	95X130X12!	PR8707	ITM	415437
PR8113	ITM	222655	PR8246	ITM	224560	PR8416	ITM	100X120X12	PR8708	ITM	415027
PR8113	ITM	26X48X7!	PR8246	ITM	45X68X7!	PR8417	ITM	100X125X12	PR8709	ITM	417495
PR8117	ITM	222745	PR8248	ITM	224570	PR8418	ITM	100X130X12!	PR8710	ITM	415559
PR8117	ITM	27X45X8!	PR8248	ITM	45X72X12!	PR8424	ITM	105X130X12	PR8711	ITM	415035
PR8126	ITM	222860	PR8262	ITM	1187	PR8426	ITM	105X140X12	PR8712	ITM	417356!
PR8126	ITM	28X47X7!	PR8262	ITM	47X68X10!	PR8428	ITM	110X130X12	PR8713	ITM	417357
PR8129	ITM	28X52X7	PR8264	ITM	224772	PR8430	ITM	110X140X13!	PR8714	ITM	416130!
PR8130	ITM	223014	PR8265	ITM	224820	PR8430	ITM	231108	PR8715	ITM	415041
PR8132	ITM	30X47X7	PR8265	ITM	48X62X8!	PR8439	ITM	115X140X12	PR8717	ITM	415196!
PR8135	ITM	223035	PR8266	ITM	1973	PR8441	ITM	115X150X12	PR8718	ITM	416891!
PR8141	ITM	30X62X7	PR8266	ITM	48X65X10!	PR8444	ITM	120X140X13!	PR8719	ITM	415045!
PR8146	ITM	32X45X7	PR8267	ITM	224835	PR8444	ITM	717004	PR8720	ITM	416137
PR8147	ITM	223235	PR8267	ITM	48X68X10!	PR8445	ITM	120X145X12!	PR8721	ITM	415058
PR8147	ITM	32X46X6!	PR8268	ITM	1994	PR8445	ITM	231204	PR8722	ITM	327303!
PR8149	ITM	223240	PR8268	ITM	48X70X9!	PR8446	ITM	120X150X12	PR8723	ITM	417530
PR8149	ITM	32X48X8!	PR8269	ITM	48X72X7!	PR8448	ITM	120X160X12	PR8724	ITM	416892!
PR8151	ITM	223255	PR8277	ITM	225010	PR8449	ITM	125X150X12!	PR8725	ITM	416154!
PR8151	ITM	32X52X7!	PR8277	ITM	50X65X8!	PR8449	ITM	231250	PR8726	ITM	415351!
PR8152	ITM	2008	PR8278	ITM	225020	PR8451	ITM	125X160X12	PR8728	ITM	415725!
PR8154	ITM	223275	PR8278	ITM	50X68X8!	PR8455	ITM	130X160X12	PR8729	ITM	416865!
PR8154	ITM	32X56X10!	PR8279	ITM	1960	PR8456	ITM	130X170X15	PR8758	ITM	50X72X8
PR8159	ITM	223430	PR8280	ITM	50X72X8	PR8541	ITM	457294	PR8761	ITM	50X80X8
PR8159	ITM	710417	PR8283	ITM	50X80X8	PR8542	ITM	415991	PR8767	ITM	55X72X8!
PR8167	ITM	35X50X8!	PR8284	ITM	225082	PR8542	ITM	415991!	PR8770	ITM	55X80X8
PR8167	ITM	3771	PR8288	ITM	1884	PR8544	ITM	417349!	PR8771	ITM	55X82X12!
PR8168	ITM	223535	PR8288	ITM	52X68X8!	PR8592	ITM	125X150X12!	PR8772	ITM	55X85X10
PR8170	ITM	223542	PR8290	ITM	225230	PR8592	ITM	231250	PR8778	ITM	226020
PR8170	ITM	35X55X11!	PR8290	ITM	52X72X8!	PR8594	ITM	231404	PR8778	ITM	60X80X8!
PR8171	ITM	223543!	PR8297	ITM	55X72X8!	PR8605	ITM	220X250X15	PR8780	ITM	60X85X8
PR8171	ITM	35X56X10!	PR8300	ITM	55X80X8	PR8657	ITM	471870!	PR8789	ITM	65X85X10
PR8174	ITM	35X62X7!	PR8301	ITM	55X82X12!	PR8658	ITM	472492!	PR8791	ITM	65X90X10!
PR8176	ITM	223580	PR8302	ITM	55X85X10	PR8659	ITM	472924!	PR8793	ITM	65X100X10
PR8182	ITM	223605	PR8315	ITM	225875	PR8660	ITM	472397!	PR8798	ITM	227020
PR8182	ITM	36X50X7!	PR8315	ITM	58X75X11!	PR8661	ITM	473242	PR8798	ITM	70X88X8!
PR8184	ITM	223610	PR8317	ITM	58X80X8	PR8662	ITM	412027	PR8799	ITM	227045
PR8184	ITM	710197!	PR8322	ITM	60X75X8	PR8663	ITM	410102	PR8800	ITM	70X95X13
PR8185	ITM	2003N!	PR8324	ITM	226020	PR8665	ITM	487945	PR8801	ITM	70X100X13
PR8190	ITM	710057	PR8324	ITM	60X80X8!	PR8667	ITM	55524	PR8805	ITM	75X95X10
PR8191	ITM	223620	PR8325	ITM	2001	PR8669	ITM	473473	PR8806	ITM	227550
PR8194	ITM	1174	PR8325	ITM	60X82X12!	PR8670	ITM	471138!	PR8806	ITM	75X100X12!
PR8194	ITM	38X52X8.5!	PR8326	ITM	60X85X8	PR8671	ITM	472636!	PR8810	ITM	228020
PR8196	ITM	223830	PR8336	ITM	226285	PR8672	ITM	412920!	PR8810	ITM	80X105X13!
PR8196	ITM	38X55X7!	PR8336	ITM	62X85X8!	PR8674	ITM	415234!	PR8811	ITM	80X110X12
PR8198	ITM	223840	PR8338	ITM	62X90X10	PR8675	ITM	415259!	PR8819	ITM	90X120X12
PR8198	ITM	38X58X8!	PR8349	ITM	65X85X10	PR8676	ITM	55337	PR8824	ITM	100X120X12
PR8200	ITM	38X62X7	PR8351	ITM	65X90X10!	PR8677	ITM	472029	PR8825	ITM	100X125X12
PR8201	ITM	1176	PR8353	ITM	65X100X10	PR8678	ITM	470605!	PR8826	ITM	100X130X12!
PR8208	ITM	1213N	PR8360	ITM	68X90X10	PR8679	ITM	415449!	PR8830	ITM	110X140X13!
PR8209	ITM	224020	PR8362	ITM	68X100X13	PR8680	ITM	416273	PR8830	ITM	231108
PR8209	ITM	40X55X8!	PR8364	ITM	227020	PR8681	ITM	455079!	PR8834	ITM	115X140X12
PR8210	ITM	224025	PR8364	ITM	70X88X8!	PR8682	ITM	415082	PR8840	ITM	125X160X12
PR8212	ITM	224040	PR8365	ITM	227040	PR8683	ITM	455655!	PR9003	ITM	223035
PR8212	ITM	40X60X10!	PR8365	ITM	70X90X10!	PR8684	ITM	355732	PR9004	ITM	35X62X7!
PR8213	ITM	224045	PR8366	ITM	70X95X13	PR8686	ITM	416664!	PR9005	ITM	224020
PR8213	ITM	40X62X12!	PR8367	ITM	70X100X13	PR8687	ITM	415984!	PR9005	ITM	40X55X8!
PR8218	ITM	712011	PR8372	ITM	72X95X10	PR8688	ITM	417316!	PR9006	ITM	224025
PR8225	ITM	494117	PR8373	ITM	72X100X12	PR8690	ITM	416706!	PR9008	ITM	224040

! Industrial Size/Type

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
PR9008	ITM	40X60X10!	PSF24671	B-L-H	473313	R19974	GAL	415379	R5003	WILSO	455019!
PR9009	ITM	224045	PSF24672	B-L-H	470530!	R19974	GAL	415379!	R500316	WILSO	415027!
PR9009	ITM	40X62X12!	PSI50851	WABCO	240009	R19987	GAL	417247!	R500316	WILSO	415027
PR9021	ITM	224520	PSK1	TIMKE	PSK-1	R1X817	CATER	455944=	R50032	WILSO	415021
PR9021	ITM	45X60X10!	PT7523	JOHND	471760	R2001	WILSO	471760	R500324	WILSO	416339
PR9022	ITM	1012	PT7524	JOHND	471643!	R20080	BTM	470334!	R500324	WILSO	455031!
PR9022	ITM	1012N	PTA122	F-R-H	481864	R20798	CASE	417621!	R500330	WILSO	415034!
PR9022	ITM	45X62X8!	PTS913	AT SU	473215!	R20869	BTM	473229	R50036	WILSO	455022
PR9023	ITM	1992	PX6060742	CATER	415284	R20894	BTM	471466!	R50038	WILSO	415023
PR9023	ITM	45X65X8!	PXS47	COC	470898!	R20965	BTM	5778	R5004	WILSO	415035!
PR9024	ITM	224560	PXS89	COC	240356	R21017	BTM	471413	R5004	WILSO	415035
PR9024	ITM	45X68X7!	PY623	GRAY	471553!	R21050	BTM	40576S	R5504	WILSO	415036
PR9026	ITM	224570	Q00688033	GMC	J1113	R21164	BTM	40566S	R550412	WILSO	415196!
PR9026	ITM	45X72X12!	Q27958	JOHND	415988	R21263	BTM	472311!	R550416	WILSO	416888!
PR9032	ITM	225010	Q27958K	JOHND	415988	R21466	CASE	417349=	R55048	WILSO	416891!
PR9032	ITM	50X65X8!	Q28735	JOHND	471870!	R21483	CASE	472636=	R575416	WILSO	416892!
PR9033	ITM	225020	QM1333	DEVIL	470712!	R22209	GAL	415001!	R575424	WILSO	415138!
PR9033	ITM	50X68X8!	QR631	BUC-E	471570!	R22518	WILSO	45016S	R600L-204	CONTI	417344!
PR9034	ITM	1960	QS100	DEVIL	451583!	R22518	WILSO	471801!	R600L-293	CONTI	471466!
PR9035	ITM	50X72X8	QS141	DEVIL	471526!	R23024	B-L-H	55301S	R600S-247	CONTI	330385!
PR9038	ITM	50X80X8	QS186	DEVIL	471442!	R23437	CONTI	471868	R625416	WILSO	415351!
PR9043	ITM	473227!	QS187	DEVIL	471472!	R24226	GAL	416654!	R625430	WILSO	417273
PR9044	ITM	470625!	QX22260	JOHND	240319	R24752	US-EL	415498	R6542Z	WITTE	416921!
PR9045	ITM	470380!	QX34751B	JOHND	472636!	R250116	WILSO	473228	R675516	WILSO	416107!
PR9045	ITM	472189A!	QX38201	JOHND	418028	R262124	WILSO	472185!	R675516	WILSO	455073
PR9046	ITM	473228!	QX38201	JOHND	455137!	R27347	GAL	473405	R68201	JOHND	JV1140=
PR9047	ITM	451857	QX52280	JOHND	413246	R3002	WILSO	472397!	R70453	JOHND	JV1132=
PR9048	ITM	473440!	QX52281	JOHND	473466	R3024	B-L-H	55301S	R74485	JOHND	JX1141
PR9049	ITM	450523	QX52282	JOHND	471760	R304	IRON	471354!	R746D	JOHND	471737
PR9050	ITM	471958	QX62779	JOHND	474274	R30HH102	DANA	416865!	R75056	JOHND	712251
PR9052	ITM	471424!	QX72410	JOHND	473229!	R31324	WILSO	472016	R7506	WILSO	415072
PR9053	ITM	471870!	R-100495-VAR	SPG	4810V	R31440	JOHND	412473!	R769DN	JOHND	471766
PR9054	ITM	472492!	R-100495-VAR	SPG	714810	R319124	WILSO	470088	R78048TA	SPG	78048
PR9055	ITM	472924!	R-4810-VA1	SPG	4810V!	R323324VG	SPG	3476V	R7X6048	CATER	485725H=
PR9056	ITM	470530!	R-84114	JOHND	J1396	R32349	CASE	417601	R800616	WILSO	416229
PR9057	ITM	473242	R100263VAR	SPG	100263	R33214	GAL	471354!	R8592	LETN	472179
PR9058	ITM	412027	R100263VAR	SPG	4562V	R33338	JOHND	473227!	R86374	WILSO	416077
PR9059	ITM	410102	R100494VAR	SPG	100494	R33338R	JOHND	473227!	R8643	LETN	450269
PR9061	ITM	487945	R100494VAR	SPG	476470	R33339R	JOHND	473227!	R88597	JOHND	J1121
PR9063	ITM	55524	R100495VAR335	SPG	100495	R33340	JOHND	416404!	R888712	WILSO	455117
PS105	OLIVE	471692!	R100557VAR	SPG	100557	R335212	WILSO	412119!	R901716	WILSO	415551
PS212	MASSE	471835!	R100557VAR	SPG	4544V	R33528	WILSO	411253!	R945001	ROCKW	100494
PS22123	C-P	471472!	R100731VA8	SPG	100731V	R33543	GAL	415007	R945002	ROCKW	100495
PS2216	C-P	472492!	R1069	ROL	25598	R33578R	JOHND	471866=	R945003	ROCKW	100263
PS25310	C-P	474281!	R1075824	WILSO	415128	R33587R	JOHND	240007=	R945004	ROCKW	100557
PS25311	C-P	470530!	R10778	GAL	455024	R34650	JOHND	471413!	RA14755	PETTI	40555
PS25312	C-P	472157!	R10779	GAL	416339	R354216	WILSO	415001!	RA14755	PETTI	40555S!
PS25312	C-P	472157	R10779	GAL	455031!	R35735	JOHND	416332!	RA1500	AUTDP	BS40380
PS25313	C-P	472636!	R1080	WILSO	417602!	R35735R	JOHND	416332!	RA1505	AUTDP	BS40509
PS25314	C-P	474281!	R11076	GAL	470059	R35738	JOHND	240356	RA1507	AUTDP	BS40380
PS2532	C-P	415041	R11076	GAL	470380!	R35738R	JOHND	340356	RA1511	AUTDP	BS40509
PS2534	C-P	471271!	R11077	GAL	470088	R35798R	JOHND	470380!	RA17424	PETTI	42352S
PS2535	C-P	415995!	R1138R	JOHND	425RR	R362220	WILSO	415458!	RA17455	PETTI	40555
PS2536	C-P	471554!	R11560	GAL	416476!	R36423	JOHND	476470	RA17455	PETTI	40555S!
PS2537	C-P	471570!	R115916	WILSO	417606	R37410	JOHND	417343!	RA2277310	TW-DI	476470
PS2538	C-P	330385!	R1251016	WILSO	415227!	R37410R	JOHND	417343!	RA2277310	TW-DI	476470!
PS2539	C-P	450593!	R13881	CASE	470898	R375224	WILSO	417316!	RA47115	JOHND	JX1967
PS462	C-P	415072	R14090	GAL	417269!	R4003	WILSO	415995!	RC07004	FUNK	471192
PS4621	C-P	471554!	R14132	GAL	472012	R4253	WILSO	417487	RC446	GRAY	417191
PS46211	C-P	471466!	R14133	GAL	415449!	R42532	WILSO	455015	RC446	GRAY	456585
PS46212	C-P	480630!	R14134	GAL	417356!	R42536	WILSO	456105	RCF7168	MASSE	427RR
PS46213	C-P	416865!	R14134	GAL	455188	R42538	WILSO	476470	RCF7206	FUNK	340724!
PS46214	C-P	415072	R14189	GAL	417538	R434	FULLE	455134!	RCF7228	MASSE	421
PS46215	C-P	471538!	R14190	GAL	415938	R4373	WILSO	417488!	RCO7004	FUNK	471192
PS4622	C-P	471570!	R15028	WILSO	471570!	R44176	JOHND	JV1378=	RCP71164	FUNK	450375!
PS4623	C-P	450593!	R16287	CASE	470059	R44508	FORD	471354!	RCP71164	FUNK	6936S!
PS4624	C-P	416239!	R16287	CASE	470380!	R44508	WOODB	471354!	RCP71164	FUNK	9845
PS4625	C-P	471766!	R18438	GAL	415072	R450316	WILSO	415991	RCS312	STDRL	82012
PS4626	C-P	471255!	R18462	GAL	472179	R450316	WILSO	455146!	RCS405A	STDRL	82016
PS4628	C-P	415035	R1960	ROCKE	2900	R45406	JOHND	J1126	RCS508	STDRL	82005
PS4628	C-P	415035!	R1961	ROCKE	2900	R462	FULLE	416654!	RCS509	STDRL	82027
PS4629	C-P	471413!	R19970	GAL	411376!	R481386VAR	SPG	481386V	RCS510	STDRL	82003

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
RCS511	STDRL	82011	RF5800	GUY	471272!	RO5118	MASSE	412943	RT5756	BU-SP	471192
RCS512	STDRL	82015	RF5801	GUY	471271!	RO5118A	MASSE	412943	RT6000A-51	BL-KN	472179
RCS706A	STDRL	82022	RF5866	GUY	471272!	RO5119A	MASSE	472439	RT6000A-52	BL-KN	473460
RCS802	STDRL	82017	RF8619	GUY	472164!	RO5121A	MASSE	417554!	RT6076	BL-KN	472179
RCS804	STDRL	82024	RF8628	GUY	470898	RO5188A	MASSE	412943	RT6223	BL-KN	473215!
RD2000	WMG	CQ2000=	RF8660	GUY	473179!	RO5519A	MASSE	472439	RT6224	BL-KN	473236!
RD325	NATL	RD311	RF8945	GUY	472150	ROLL2X	LK-BT	471689!	RT7330	BL-KN	413247!
RD33266	GAL	474281!	RH1500	ROCK	82003	ROO083041	FWD	471646!	RT7412	BL-KN	470530!
RD41543	GAL	473232	RH1501	ROCK	82005	RP5087	ITM	473229!	RT7413	BL-KN	472179
RD41544	GAL	471341!	RH1505	ROCK	82011	RQ00366	READY	473473	RT908	MINNM	473225!
RD46540	GAL	416706!	RH1507	ROCK	82001	RQ88222	READY	471763	RTB3920	GACO	470088
RD49164	GAL	417604!	RL6491	HART	471554!	RQ88302	READY	473473	RTL366	FAIRB	473228
RD49243	GAL	455356	RL8360	CASE	473231	RQ92993	READY	471763	RW507	FED	353120
RD50	UNIVE	472636!	RM14610	HEIL	417538	RS001	EGDYN	82003	RW507D850	GMC	5458\$
RD51	UNIVE	473211!	RM14611	HEIL	416229	RS002	EGDYN	82011	RW507E850	GMC	5458\$
RD52688	GAL	415449!	RM14612	HEIL	473010!	RS003	EGDYN	82001	RW509	FED	6957=
RD52761	GAL	418028	RM14613	HEIL	471442!	RS004	EGDYN	82005	RW509850	GMC	5589\$
RD52761	GAL	455137!	RM14614	HEIL	472560N!	RS006	EGDYN	82016	RW607	FED	6971S=
RD53870	AMC	351487	RM14619	HEIL	412119!	RS012	EGDYN	BS25035	RW707	GMC	5573\$
RD54429	AMC	473367	RM14620	HEIL	416476!	RS014	EGDYN	82017	RW707	HYST	5573\$
RD54429	AMC	473367!	RM14621	HEIL	455197N	RS015	EGDYN	82022	RX1582	OLIVE	471766!
RD55363	GAL	415150!	RM14622	HEIL	471766!	RS016	EGDYN	82024	RX1583	OLIVE	471424!
RD55426	GAL	416288!	RM14624	HEIL	415088	RS019	EGDYN	82001	RX19279	GMC	471554!
RD56	UNIVE	471762!	RM14624	HEIL	415088!	RS028	EGDYN	82015	RX44183	JOHND	415142
RE-13181	JOHND	417344!	RM14627	HEIL	471554!	RS030	EGDYN	82012	RX44565	JOHND	415995!
RE-14439	JOHND	3173	RM1463	HEIL	416271!	RS29025	ROLRL	82003	RX45715	JOHND	472157
RE11036	JOHND	39952	RM14631	HEIL	471442!	RS29030	ROLRL	82005	RX45715	JOHND	472157!
RE13310	JOHND	39956	RM14632	HEIL	416345!	RS29040	ROLRL	82016	RX45933	JOHND	471554!
RE1537	FUNK	416154!	RM14632	HEIL	455033	RS29070	ROLRL	82017	RX45951	JOHND	471554!
RE158082+100558VDR	SPG	100558	RM14633	HEIL	416865!	RS29075	ROLRL	82024	RZL12	AM CA	480630!
RE158897	JOHND	412119	RM1464	HEIL	416107!	RS29085	ROL	BS40110	S-0283343	IH	471967!
RE17352	JOHND	39954	RM1464	HEIL	455073	RS29085	ROLRL	82012	S00506	GR-RP	470380!
RE22764	JOHND	39954	RM14642	HEIL	473462	RS29095	ROLRL	82022	S02047	CARDX	471791
RE24959	JOHND	39952	RM1466	HEIL	415072	RS29130	ROLRL	82015	S02047	CARDX	455165!
RE35885	GMC	39952	RM14671	HEIL	415001!	RS29140	ROL	BS15868	S100	EIMCO	240731
RE53687	JOHND	997101	RM1468	HEIL	417357	RS29140	ROLRL	82011	S101	EIMCO	471224!
RE54073	JOHND	997100	RM1468	HEIL	455192!	RS29145	ROLRL	82027	S102	EIMCO	340724!
RES3905	CONTI	415025	RM1469	HEIL	471231!	RS29185	ROL	BS16144	S1042KH	Y-T	5119
RF10513	GUY	410987!	RM14692	HEIL	472636!	RS29200	ROL	BS27493	S1050	EIMCO	471442!
RF10513	GUY	450686	RM146A15	HEIL	470774!	RS29250	ROL	BS40265	S106	EL-MO	471231!
RF10624	GUY	415449!	RM146A173	HEIL	473467	RS29260	ROL	BS40387	S1072	C-W	416476!
RF10676	GUY	415035	RM146A189	HEIL	471466!	RS29265	ROL	BS40268	S1072	WOOL	416476!
RF14519	GUY	473214	RM146A194	HEIL	417316!	RS29270	ROL	BS40381	S107211035	WOOL	416476!
RF15232	GUY	417492	RM146A2	HEIL	416888!	RS29275	ROL	BS40380	S1077	EIMCO	470954!
RF16207	GUY	417247!	RM146A202	HEIL	415076	RS29275	ROLRL	82001	S1089	EIMCO	471795
RF16292	GUY	416135!	RM146A29	HEIL	417562	RS29295	ROL	BS5048	S109	EIMCO	471651
RF17920	GUY	473179!	RM146A34	HEIL	473234	RS29360	ROLRL	82016	S110	EIMCO	476838!
RF18517	GUY	415995!	RM146A344	HEIL	416891!	RS29365	ROL	BS40252	S110	MACK	323138!
RF18800	GUY	470898	RM146A346	HEIL	470625!	RS29450	ROL	BS40396	S1101	EIMCO	473228!
RF193	IRON	473238	RM146A390	HEIL	471554	RS29480	ROL	BS40592	S111	EIMCO	471652
RF19620	GUY	471349	RM146A8	HEIL	417357	RS29480	ROLRL	82021	S1140	EIMCO	473239!
RF20382	GUY	471689!	RM146A8	HEIL	455192!	RS29490	ROL	16267	S115	EIMCO	473427
RF20691	GUY	471820	RM146A92	HEIL	472636!	RS29550	ROL	BS40620	S1160	EIMCO	473242
RF20795	GUY	415995!	RM1612	MUSKE	BS40620	RS29630	ROL	BS40535	S1180	LETN	417562
RF20882	GUY	415458!	RM523	MUSKE	BS40380	RS29640	ROL	BS40667	S119	EIMCO	474281!
RF23395	GUY	472439	RM552	MUSKE	BS40110	RS29690	ROL	BS40578	S1200	EIMCO	473243
RF24187	GUY	471766!	RM553	MUSKE	BS40110	RS7004	BESTV	BS40380	S121	EIMCO	473205
RF2523	GUY	471316	RM557	MUSKE	BS40396	RS7006	BESTV	BS15868	S123	GRAY	473438
RF2913	GUY	472012	RM611	MUSKE	BS15868	RS7007	BESTV	BS40110	S124	EIMCO	471413!
RF2921	GUY	473214	RM663	MUSKE	BS1280	RT100S27	SHOV	415284	S125	EIMCO	471766!
RF2922	GUY	472015!	RM688	MUSKE	BS5155	RT1027	MASSE	415284	S1251	EIMCO	410752
RF2925	GUY	472164!	RO-21	ATP	223830	RT153	MINNM	473213!	S126	EL-MO	471950
RF2932	GUY	415991	RO-21	ATP	223831	RT3718	BL-KN	472179	S1275	EIMCO	416664!
RF2932	GUY	455146!	RO-27	ATP	223540	RT3719	BL-KN	416738!	S128	EIMCO	471808!
RF2956	GUY	415995!	RO-28	ATP	223830	RT3719	BL-KN	450096	S128	EL-MO	J1127
RF3702	GUY	471760	RO-29	ATP	1175	RT450B	TRANG	473215!	S129	EIMCO	474254!
RF3932	GUY	415991	RO-4	ATP	223520!	RT502A	TRANG	472409!	S129	EL-MO	473233!
RF3932	GUY	455146!	RO1	ATP	473445	RT513547	TRANG	415498	S130	EIMCO	450341
RF4018	GUY	473440!	RO2358	MASSE	471733	RT514D	TRANG	472636!	S1301	EIMCO	415995!
RF5409	GUY	471466!	RO2364	MASSE	474276!	RT525B	TRANG	472157!	S131	EIMCO	473423
RF5410	GUY	471442!	RO5109A	MASSE	416107!	RT525B	TRANG	472157	S1311	EIMCO	416404!
RF5613	GUY	416664!	RO5109A	MASSE	455073	RT5317	BL-KN	470530!	S1313	EIMCO	417621!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
S1314	EIMCO	416288	S16136	CUMMI	472826!	S208	EIMCO	470898!	S300	EIMCO	417350!
S133	EIMCO	417621!	S16138	CUMMI	471570!	S213	EIMCO	472015!	S301	EIMCO	415995!
S134	MACK	472636!	S16140	CUMMI	471765!	S214	EIMCO	472016	S3013G	REPUB	471267!
S1350	EIMCO	415437	S16141	CUMMI	471354!	S2140	EIMCO	471466!	S3014G	REPUB	472560N!
S137	EIMCO	472258!	S16142	CUMMI	472409	S215	EIMCO	413469!	S3015G	REPUB	471413!
S137	EL-MO	J1111	S16143	CUMMI	415449!	S2166	MIXMO	473367!	S3016G	REPUB	471466!
S1386	EIMCO	417211!	S16147	CUMMI	472185!	S2166	MIXMO	473367	S3017G	REPUB	472560N
S139	EIMCO	473215!	S16148	CUMMI	471316!	S217	EIMCO	55087 =	S3019	MIXMO	471271!
S140	EIMCO	473446	S16149	CUMMI	473010!	S2177	EIMCO	472185!	S302	EIMCO	417351!
S140	EL-MO	473445	S16150	CUMMI	330385	S218	EIMCO	472234	S3023G	REPUB	471267!
S14048	KELSE	6064	S16151	FMC	415449!	S219	EIMCO	472018	S3024C	REPUB	474278
S141	EIMCO	473197	S16152	CUMMI	471501	S220	EIMCO	473245!	S3024C	REPUB	6859S
S142	EIMCO	413469!	S16153	CUMMI	473016!	S2202	EIMCO	472924!	S3026F	REPUB	470954
S142	EL-MO	473228!	S16154	CUMMI	471785!	S2204	GMC	471413!	S3027C	REPUB	7188S
S143	EIMCO	473016!	S16155	CUMMI	472705!	S2213	EIMCO	472015!	S3029C	REPUB	470954
S145	EIMCO	473226	S16157	CUMMI	330385	S2225	EIMCO	411376!	S3031C	REPUB	471538
S146	EIMCO	450621	S16158	CUMMI	471529	S223	EIMCO	471341!	S3036C	REPUB	474278
S147	EIMCO	473439!	S16159	CUMMI	55155 =	S225	EIMCO	472636!	S3036C	REPUB	6859S
S148	EIMCO	474276	S16161	CUMMI	471571	S228	EIMCO	415234!	S3039G	REPUB	7013S
S150	EIMCO	473227	S1617	GR-RP	471267!	S2293	EIMCO	416654	S304	EIMCO	417487
S15088	NOVO	450129	S162	EIMCO	473367	S2298	LETN	455026	S3041G	REPUB	8059S
S15088	NOVO	472826!	S162	EIMCO	473367!	S2299	LETN	417269!	S306	EIMCO	55548
S15089	NOVO	415995!	S16216	WABCO	415027*	S2300	EIMCO	415995!	S310	CONST	472185!
S151	EIMCO	470059	S163	EIMCO	473228	S2383	LETN	416167!	S312	EIMCO	416404!
S151	EIMCO	470380!	S1631	FMC	471192	S2384	LETN	417171!	S313	EIMCO	417621!
S15171	LETN	473367!	S164	EIMCO	352541	S2385	LETN	457874	S314	EIMCO	416288!
S15171	LETN	473367	S1642	GR-RP	471808!	S2386	LETN	417539!	S315	EIMCO	55386
S153	EIMCO	240319	S165	EIMCO	450275	S2388	EIMCO	415034!	S319	EIMCO	417490
S154	EIMCO	473458!	S167	EIMCO	473232	S244	CONST	471887	S3208	MIXMO	416345!
S15415	C-P	471354!	S1699	GR-RP	481163!	S250	EIMCO	411245!	S3208	MIXMO	455033
S15485	NOVO	473016!	S1700	GR-RP	472397!	S2500	EIMCO	415725!	S3216	MIXMO	415041
S155	EIMCO	450326	S1715	LETN	450273	S253	EIMCO	471271!	S3246	MIXMO	417546!
S1550	EIMCO	416107!	S176	EIMCO	472164!	S254	EIMCO	415001!	S325	EIMCO	476470
S156	EIMCO	416892!	S1765	WOOL	415047	S255	EIMCO	40555	S3254	MIXMO	455079!
S15804485A000	EMRSN	471549!	S177	EIMCO	471141!	S255	EIMCO	40555S!	S3276	MIXMO	416282
S160	EIMCO	473229	S178	EIMCO	473448	S2580	MIXMO	473446	S328	EIMCO	415023
S161	EIMCO	415294!	S179	EIMCO	42352S	S2601	EIMCO	471554!	S329	EIMCO	415023
S16100	CUMMI	471224!	S1796	CUMMI	473367!	S2601	LETN	471192	S336	EIMCO	415442!
S16101	CUMMI	471766!	S1800	CUMMI	470530!	S2603	LETN	417512	S336	EIMCO	55442
S16103	CUMMI	471192	S1805F162	CUMMI	417487!	S2604	EIMCO	473215!	S338	EIMCO	417191
S16106	CUMMI	471103!	S1805F162	CUMMI	417487	S2604	LETN	412943	S338	EIMCO	455165!
S16106	FMC	415138!	S181	EIMCO	473450	S2610	EIMCO	471224!	S339	EIMCO	455249!
S16106	TRANG	415138!	S184	EIMCO	473451!	S2611	EIMCO	471413	S340	ELGIN	223340
S16108	CUMMI	476838!	S185	EIMCO	473239	S2615	MIXMO	473467	S350	EIMCO	415437
S16109	CUMMI	417621	S1855	CUMMI	415060	S2616	EIMCO	6309 =	S360	EIMCO	415991
S16110	CUMMI	472924!	S1855	CUMMI	455060	S2617	MIXMO	472572!	S360	EIMCO	455146!
S16111	CUMMI	471649!	S186	EIMCO	473240!	S2621	EIMCO	472636!	S3621	CARDX	417191
S16113	CUMMI	473458!	S187	EIMCO	410524	S2625	EIMCO	240736	S3621	CARDX	455165!
S16114	CUMMI	416654!	S188	EIMCO	473238	S263	CONST	416239!	S363	EIMCO	415937!
S16115	CUMMI	470059	S189	LETN	415025	S263	EIMCO	415483!	S3637	EIMCO	J1355 =
S16115	CUMMI	470380!	S190	LETN	455406!	S265	CONST	473444	S366	EIMCO	415379
S16116	CUMMI	472409	S1918	CUMMI	471466!	S265	EIMCO	417082	S366	EIMCO	415379!
S16118	CUMMI	472636!	S197	EIMCO	50528	S2655	EIMCO	415447	S3665	EIMCO	J1117
S16119	CUMMI	473464	S199	EIMCO	352541	S2660	MIXMO	471763	S3679	MIXMO	473367!
S16119	CUMMI	473464!	S200	EIMCO	472492!	S2677	MIXMO	450177	S3679	MIXMO	473367
S16120	CUMMI	470059	S2002	CUMMI	473215!	S268	EIMCO	455151	S3680	MIXMO	415437
S16120	CUMMI	470380!	S2013	LUF	471766!	S2684D	JOHND	473179!	S380	EIMCO	415958
S16121	CUMMI	470950!	S202	EIMCO	472924!	S2786	MIXMO	474274	S380	EIMCO	415958!
S16121	CUMMI	6241S	S2021	LUF	472185!	S279	EIMCO	415303!	S381-26-157	VILA	710150
S16122	CUMMI	471744!	S2025	LUF	471870!	S280	EIMCO	417316!	S390	EIMCO	415034!
S16123	CUMMI	470712!	S2027B	LUF	471341!	S281	EIMCO	417484!	S400	CLOYE	223400
S16124	CUMMI	411253!	S2032	LUF	416654!	S2819	MIXMO	481163!	S400	ELGIN	223400
S16125	CUMMI	473232	S2035	LUF	476470!	S2828	MIXMO	470328	S401	EIMCO	417356!
S16126	CUMMI	473214!	S2035	LUF	476470	S2828	MIXMO	481213!	S401	EIMCO	455188
S16127	CUMMI	473228	S2049	CUMMI	470334!	S284	EIMCO	475384	S410	ELGIN	223410
S16128	CUMMI	471829	S2049A	LUF	417541	S2852	MIXMO	472164!	S410	ELGIN	710416
S16129	CUMMI	471820	S205	EIMCO	473242	S287	EIMCO	417344!	S412	EIMCO	415043
S16130	CUMMI	415458!	S2057	IG-RA	470712!	S288	EIMCO	455310	S413	EIMCO	417512
S16132	FMC	470898!	S206	EIMCO	410102	S289	EIMCO	416921!	S4135	CARDX	411253!
S16134	CUMMI	330385	S2065	TRANG	415138!	S290	EIMCO	455144	S414	EIMCO	455203
S16135	CUMMI	472287!	S207	EIMCO	416738!	S2901	MIXMO	352541	S415	EIMCO	415295
S16136	CUMMI	450129	S207	EIMCO	450096	S293	EIMCO	416654!	S420T	ELGIN	223420

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
S425 EIMCO		472157!	S64 EIMCO		471466!	SA13222 CLARK		455117	SB901241178 JOY		412473!
S425 EIMCO		472157	S65038 CASE		417344!	SA13223 CLARK		415683	SBG41M91723 CINMI		471442!
S4250 CARDX		415007	S65046 C-P		471750!	SA13332 CLARK		415035	SC1508 LETN		411348!
S430 EIMCO	455197N		S6616 LETN		472144!	SA13332 CLARK		415035!	SC160 EMSCO		417181!
S4326 SPG	342805		S72 EIMCO	50026		SA13437 CLARK		415379!	SC2504 LETN		416339
S452 EIMCO		416154!	S7214 WHITE		417158!	SA13437 CLARK		415379	SC2504 LETN		455031!
S455 EIMCO		416892!	S7215 WHITE		415960!	SA13514 CLARK		415995!	SC2978 LETN		416921!
S4553 LETN		415437	S7243 LETN		472439	SA13587 CLARK		6547	SC4613 LETN		415995!
S4553 LETN		415437!	S7306 WHITE		415023	SA14931 CLARK		417541	SC525 LETN		472185!
S465154 MIXMO		410308!	S760423 MIXMO	240151		SA15511 CLARK		472150	SC5478 LETN		411376!
S480785 MIXMO	5751		S76619 C-P	40504S=		SA15872 CLARK		470950!	SC5485 LETN		417344!
S4809112 MIXMO	455336		S79567 C-P	40370S		SA15872 CLARK		6241S	SC5531 LETN		470530!
S480946 MIXMO	5921		S80 EIMCO		470954	SA16434 CLARK		450073	SC555 FMC		455396
S490 EIMCO		417273	S8337 JOHND		450765!	SA16899 CLARK		416154!	SC7611 LETN		416654!
S501 EIMCO		417278	S84143 C-P		472560N	SA17087 CLARK		472492!	SC8133 LETN		417191
S502 EIMCO		417541	S843 LETN		473245!	SA17393 CLARK		240731	SC8133 LETN		456585
S51 EIMCO		471442!	S844F-6701-AA FORD	712100		SA17781 CLARK		351028	SC8674 LETN		417485
S5265 EIMCO		417082	S85318 C-P		472311!	SA17918 CLARK		413248	SC8675 LETN		455032!
S538 EIMCO		455576!	S85513 GMC		416888!	SA179543 BENDI		471267!	SC8965 LETN		416154!
S5452 EIMCO		416154!	S86830 C-P		471267!	SA18965 CLARK		370021A	SD1-10005176 SELAS		3698
S560 EIMCO		415447	S86832 C-P		416404!	SA19653 CLARK		416070	SD1014 CONTI		JV1136
S5M289 TIMKE	5M289		S86B1535 GREEN	240731		SA20407 CLARK		6663S	SD113X2 FAWIC		415045!
S5M293 TIMKE	5M293		S86B428 GREEN	240736		SA30050 CLARK		471538!	SD113X3 FAWIC		415036
S5M356 TIMKE	5M356		S87 EIMCO		471570!	SA30119 CLARK		350156	SD113X4 FAWIC		472144!
S5M403 TIMKE	5M403		S88 EIMCO		471267!	SA30119 CLARK		473096	SD113X5 FAWIC		415437
S5M445 TIMKE	5M445		S89 EIMCO		470590	SA30614 CLARK		5865	SD113X5 FAWIC		415437!
S5M466 TIMKE	5M466		S8900 LETN		417158!	SA31026 CLARK		416422	SD113X6 FAWIC		455406!
S5M497 TIMKE	5M497		S93 EIMCO	50419		SA31030 CLARK		415371	SD1827 STDFG		6663S
S5M559 TIMKE	5M559		S96168 CASE		416888!	SA31076 CLARK		415076	SD2289 LETN		416892!
S5M643 TIMKE	5M643		S9694 LETN		471579	SA31305 CLARK		417344!	SD2516 LETN		455310
S5M81 TIMKE	5M81		S9697 LETN		415711	SA31409 CLARK		472636!	SD3008 LETN		416107!
S5M89 TIMKE	5M89		S971 LETN		415351!	SA31568 CLARK		415146!	SD3008 LETN		455073
S5MR1008 TIMKE	5MR1008		S977 MACK		450400	SA31568 CLARK		415991	SD5430 LETN		415991
S5MR1009 TIMKE	5MR1009		S99 EIMCO	450457		SA31670 CLARK		204017	SD5430 LETN		415991!
S5MR1300 TIMKE	5MR1300		S9900 MASSE		473461!	SA31713 CLARK		471341!	SD553487 SELAS		8610
S5MR1301 TIMKE	5MR1301		S9901 MASSE	50528		SA33616 CLARK		471344!	SD5885 LETN		413469!
S5MR71 TIMKE	5MR71		S9904 LILIS		473236!	SA33990 CLARK		473228	SD6612 LETN		417491
S600 EIMCO		415072	S9904 MASSE		473236!	SA34395 CLARK		J1125	SD8181 GMC		470898
S6050 WHITE		415449!	S9905 MASSE		473214	SA34776 CLARK		470605!	SD970 HU-WR		471554!
S6051 WHITE		417344!	S9906 MASSE		450474	SA35449 CLARK		417247!	SD9705 LETN		417598
S6053 ROCKW		476838!	S9907 MASSE		472258	SA35454 CLARK		415001!	SE-10 CTD		203025
S6053 WHITE		476838!	S9908 MASSE		410987=	SA40627 CLARK		417269	SE-11 CTD		203013
S6054 WHITE		471554!	S9910 CONTI		473423	SA45107 CLARK		473237!	SE-12 CTD		204017
S6056 WHITE		473367	S9910 MASSE		473423	SA45120 CLARK		470565!	SE-13 CTD		204038
S6056 WHITE		473367!	S9911 MASSE		470954!	SA48949 CLARK		415035	SE-13X CTD		40183S
S6101 WHITE		472572!	S9912 MASSE		471829	SA48950 CLARK		417385V=	SE-15 CTD		204027
S6102 WHITE		412943	S9922 MASSE		471835!	SA48951 CLARK		415172V=	SE-16 CTD		204506
S6103 WHITE		473467!	S9925 MASSE		471760	SA48955 CLARK		416362V=	SE-16 CTD		415082
S6104 WHITE		416339	S9931 MASSE		413247!	SA4996 CLARK		416921!	SE-16 CTD		446631 *=
S6104 WHITE	455031!		S9932 MASSE		472924!	SA5043 CLARK		472185!	SE-19 CTD		204005
S6105 WHITE		472636!	S9936 MASSE		480630!	SA5195 CLARK		417507	SE-21 CTD		412027
S6106 WHITE		412943	S9937 MASSE		471224!	SA5195 CLARK		417507!	SE-22 CTD		470460=
S6108 WHITE		473228	S9940 MASSE		418028	SA5208 CLARK		415036	SE-23 CTD		204035
S6109 WHITE		411253!	S9940 MASSE	455137!		SA5889 CLARK		471504!	SE-24 CTD		43073S
S6110 WHITE		450593!	S9942 MASSE		470774!	SA64601 EATON		712625	SE-25 CTD		204508 *
S6112 WHITE		472179	S9943 MASSE		415150!	SA6725 CLARK		417210!	SE-26 CTD		412920 *
S6119 CUMMI		415995!	S9948 MASSE		470712!	SA7465 CLARK		417488!	SE-29 CTD		43670 *
S6207 WHITE		411245!	S9949 MASSE		473010!	SA7753 CLARK		472924!	SE-30 CTD		455253 *
S6208 WHITE		415449!	SA10028 CLARK		417354!	SA7794 CLARK		471264!	SE-31 CTD		55337
S6209 WHITE		415302	SA10177 CLARK		417344!	SA8814 CLARK		418028	SE-33 CTD		5071
S6212 WHITE		417316!	SA10279 CLARK		415991	SA8856 CLARK		45031S	SE-34 CTD		40286
S6214 WHITE		417158!	SA10279 CLARK	455146!		SA9177 CLARK		471763	SE-35 CTD		455079
S6249 LETN		417509	SA10570 CLARK		415263	SA9962 CLARK		415991	SE-36 CTD		455655
S62491 LETN		417509	SA10612 CLARK		472492!	SA9962 CLARK		455146!	SE-37 CTD		42421S *
S625 EIMCO		417562	SA10792 CLARK		470898	SB-938151 AMGEN		8430S	SE-38 CTD		204506 *
S630 EIMCO		415294!	SA10951 CLARK		481163!	SB-994258 AMGEN		473228	SE-40 CTD		41013S
S6302 WHITE		417171!	SA11361 CLARK		415995!	SB-994261 AMGEN		9912	SE-41 CTD		204506
S6305 WHITE		415960	SA12158 CLARK		6886S	SB-998092 AMGEN		5778	SE-42 CTD		45013S *
S6312 WHITE		417181!	SA12419 CLARK		471316	SB103 GARCI		BS5155	SE-43 CTD		204020
S6314 WHITE		415138!	SA12495 CLARK		417556	SB106 GARCI		BS5974	SE-43 CTD		204505 *
S63323 C-P	240356		SA13011 CLARK		416125!	SB207 COFAP		6936S	SE-44 CTD		204508
S63324 C-P		473466	SA13104 CLARK		470565!	SB279 GARCI		BS5048	SE-45 CTD		204078 =

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
SE-47	CTD	410102	SK20883	CLARK	473245!	SKH47752	SPICE	45637S	SL6051	LETN	417602!
SE-48	CTD	415088	SK2187	GMC	415284	SKH52164	SPICE	417621!	SL9351	CATER	472287!
SE-54	CTD	416149	SK25899	CLARK	471276	SKH53119	SPICE	418029!	SM0454	NATEN	417539!
SE-56	CTD	471747	SK25906	CLARK	472164!	SKH53422	SPICE	471549!	SM1636	NATEN	417543
SE-57	CTD	204506*	SK25910	CLARK	473197	SKH54128	SPICE	418029!	SM7101	MC-NO	471344
SE-58	CTD	46997S	SK25911	CLARK	471466!	SKL1667355	GE	473445	SM93	PETTI	473010!
SE-59	CTD	412725	SK27234	SPICE	472572!	SKN1800047	SPICE	471504!	SM95	PETTI	415483!
SE-61	CTD	254270	SK27319	CLARK	415349=	SKN1800048	SPICE	416865!	SMA220	VIC	471413=
SE-62	CTD	470460*=	SK28389	CLARK	471267!	SKS351106	HYST	417537	SMA262	SPICE	476470=
SE-63	CTD	473473*	SK31097	CLARK	471281!	SKS52245	HYST	5705*=	SN4388	GMC	415137!
SE-64	CTD	204013	SK31284	CLARK	472572!	SKT1301854	SPICE	473235!	SN4388	GMC	418028
SE-65	CTD	204020	SK35895	CLARK	417433=	SKT22273	GMC	418028	SN4415	GMC	417316!
SE1000008	AM BO	350364	SK3880	CHRYSL	471271!	SKT22273	GMC	455137!	SN6653	GMC	5406
SE1015	AM BO	471765	SK4328	CLARK	472287!	SKT22273	SPICE	418028	SN6933	GMC	470898
SE3013	AM BO	350156	SK4412	CLARK	474254!	SKT22273	SPICE	455137!	SN6955	GMC	353141!
SE3013	AM BO	473096	SK4514	CLARK	473010!	SKT22419	SPICE	472015!	SN9693	GMC	472394
SF1707	LETN	417520	SK4572	CLARK	471744!	SKT22844	SPICE	416167!	SO1	ATP	7442H
SF1707	WABCO	417520	SK4739	CLARK	415995!	SKT23217	SPICE	473228	SO2	ATP	342805
SF17073	LETN	417520	SK4769	CLARK	415991	SKT24088	SPICE	415995!	SP-35702	SHOV	415437
SF1708	LETN	415645!	SK4769	CLARK	455146!	SKT24089	SPICE	417484!	SP-35702	SHOV	415437!
SF1708	LETN	455104	SK4834	CLARK	470328	SKT24095	SPICE	471570!	SP010371	LUF	472164!
SF1723	LETN	417247!	SK4834	CLARK	481213!	SKT25231	SPICE	415035	SP010732	LUF	411376!
SF1724	LETN	416476!	SK51537	SPICE	450400	SKT25231	SPICE	415035!	SP010745	LUF	417247!
SF17241	LETN	416476!	SK5223	CLARK	412943	SKT25601	GMC	417344!	SP010746	LUF	415072
SF4150	LETN	450124=	SK5264	CLARK	240731	SKT25601	SPICE	417344!	SP010747	LUF	417606
SF4150	WABCO	450124=	SK5329	CLARK	415458!	SKT26824	SPICE	471554!	SP010749	LUF	410059
SF41501	LETN	450124=	SK5338	CLARK	473447	SKT27711	SPICE	412119!	SP010749	LUF	470380!
SF4210	LETN	415437	SK5409	CLARK	415001!	SKT27720	SPICE	482253	SP010775	LUF	417349!
SF4210	LETN	415437!	SK5426	CLARK	416332!	SKT27824	SPICE	5976S	SP010776	LUF	415991
SF5344	LETN	415284	SK55566	GMC	417316!	SKT27971	SPICE	415988	SP010776	LUF	455146!
SF5345	LETN	416345!	SK6244	CLARK	473179!	SKT27978	SPICE	412119!	SP010777	LUF	472157!
SF5345	LETN	455033	SK6303	CLARK	470565!	SKT29097	SPICE	471553!	SP010777	LUF	472157
SF53456	WABCO	416345!	SK6474	CLARK	470334!	SKT30561	SPICE	473235!	SP010778	LUF	416865!
SF53456	WABCO	455033	SK65795	GMC	416664!	SKT31377	SPICE	472397!	SP010779	LUF	415867
SF5346	LETN	417205!	SK6739	CLARK	471192	SKT31380	SPICE	471821!	SP010780	LUF	417606
SF5347	LETN	476470	SK700723	GMC	415035	SKT37866	SPICE	472705!	SP010792	LUF	415995!
SF53471	LETN	476470	SK7084	CLARK	416404!	SKT41977	SPICE	416339	SP010794	LUF	415027!
SF5348	LETN	416229	SK7695	CLARK	415449!	SKT41977	SPICE	455031!	SP010794	LUF	415027
SF53481	LETN	416229	SK793	SCHWI	J1115	SKT42821	SPICE	416888!	SP010812	LUF	418028
SG1Q	ATP	342805	SK800723	GMC	416147	SKT42913	SPICE	455019!	SP010812	LUF	455137!
SG2031	LETN	415437	SK8286	CLARK	472636!	SKT43885	SPICE	473238	SP10	SHOV	471138!
SG2031	LETN	415437!	SK8596	CLARK	415263	SKT44550	SPICE	415379	SP120572	SHOV	415138!
SG2034	LETN	415142	SK8739	CLARK	415379	SKT44550	SPICE	415379!	SP22512	SHOV	415187
SG2036	LETN	472492!	SK8739	CLARK	415379!	SKT44966	SPICE	473238	SP2367	LETN	455134
SG2039	LETN	455134!	SK8890	CLARK	470954!	SKT44976	SPICE	471705!	SP24391	LETN	255833=
SG21A	ATP	8792S	SK8893	CLARK	471442!	SKT45107	SPICE	472179	SP24392	LETN	255833=
SG4302	LETN	455336	SKA1601134	SPICE	471950	SKT48669	SPICE	417267	SP35542	SHOV	417254
SG4349	LETN	415138!	SKA1618982	SPICE	2043	SKT50913	SPICE	471272!	SP35543	SHOV	415991
SG43492	LETN	415138!	SKA16333	SPICE	5778	SKT51818	SPICE	473231	SP35543	SHOV	455146!
SG43496	WABCO	415138!	SKA165229	SPICE	482253	SKT71069	SPICE	350909	SP505	SHOV	471138!
SG7	CALSO	410524	SKA165547	SPICE	240736	SKT71069	SPICE	471224!	SP6516	STEEL	471554!
SG7067	LETN	7208S	SKA167989	SPICE	450503=	SKT71076	SPICE	471765!	SP6517	STEEL	450398
SG7612	LETN	415937!	SKA168814	SPICE	472258!	SKT71447	SPICE	470954!	SP6517	STEEL	471267!
SG8717	LETN	417298	SKA169120	SPICE	40061S=	SKT72405	SPICE	417621!	SP67127S	MESC	1994
SGL68X95X13	GACO	226840	SKA24751	SPICE	472234	SKT72993	SPICE	470898	SP67127S	MESC	48X70X9!
SGR42609A	NOK	2025	SKA24807	SPICE	473448	SKT75966	SPICE	330385!	SP75906	LUF	476470
SK10045	CLARK	417316!	SKA43746	SPICE	472179	SKT84544	SPICE	415146!	SP76127	LUF	473243
SK10088	CLARK	345035	SKA43747	SPICE	40183S!	SKT84544	SPICE	415991	SP76371	LUF	473228
SK10332	CLARK	473405	SKA44871	SPICE	474274	SKT84582	SPICE	470898	SP76700	LUF	416888!
SK12336	CLARK	417606!	SKA46857	SPICE	40059S	SKT85537	SPICE	471466!	SPR1434	HU-WR	471223
SK12413	CLARK	474254!	SKA65289	SPICE	471835!	SKT87304	SPICE	473243	SS-64234	VIC	370008A
SK1283	HYST	417181!	SKA65765	SPICE	6808N	SKTM56763	SPICE	416404!	SS-68003	VIC	386025A
SK13081	CLARK	471835!	SKA69076	SPICE	471192	SKTM56764	SPICE	481073	SS-68003	VIC	416158
SK13082	CLARK	472164!	SKA69835	SPICE	450159	SKTM56786	SPICE	417533	SS-68004	VIC	370005A
SK13505	CLARK	416404!	SKA70152	SPICE	450808	SKTM56798	SPICE	455197N	SS-68005	VIC	370107A
SK14164	CLARK	417316!	SKB37478	SPICE	417267	SKW140233	SPICE	416288!	SS-68006	VIC	370003A
SK15028	CLARK	415449!	SKB41934	SPICE	416345!	SKW140577	SPICE	472164!	SS-68007	VIC	370037A
SK16892	CLARK	413247!	SKB41934	SPICE	455033	SKW140799	SPICE	471344	SS-68007	VIC	370338A
SK17271	SPICE	40769S	SKB49361	SPICE	5976S	SKW141443	SPICE	473204	SS46057	VIC	5589
SK1767	CLARK	472258!	SKB49363	SPICE	416229	SL10405	FORD	416404!	SS460571	VIC	5589
SK1829	CHRYSL	7412S	SKG49524	SPICE	416158	SL11171	FORD	472705!	SS46098	VIC	5200
SK20257	CLARK	473245!	SKG53896	SPICE	417343!	SL6050	LETN	417602!	SS46140	VIC	5201

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
SS46257 VIC		5204	SS49745 VIC		416271!	SS64558 VIC		370047A	T10219 TROS		471649!
SS46264 VIC		5320 =	SS49745 VIC		5066	SS64558 VIC		9584	T10308 TROS		410308!
SS46328 VIC		5200	SS49788 VIC		5797	SS64558-1 VIC		415437	T10308S TROS		410308!
SS46328SF VIC		5200	SS49857 VIC		6077	SS64561 VIC		370046A	T1033 GERL		417509
SS46369 VIC		471801!	SS49905 VIC		6465	SS64564 VIC		370046A	T10441S TROS		471341!
SS46489 VIC		471272	SS49908 VIC		6465	SS64567 VIC		415058	T10482D HARN		415995!
SS46753 VIC		6649	SS49927 VIC		6245S =	SS64569 VIC		370069A	T10482P HARN		415995!
SS46829 VIC		370027A	SS49929 VIC		5408	SS64569 VIC		380069A	T10482P HARN		415995!
SS46841 VIC		370065A	SS49929 VIC		5408	SS64571 VIC		416865	T10496S TROS		410496!
SS46841-1 VIC		370026A	SS49932 VIC		5401	SS64584 VIC		417505	T10567 TROS		471267!
SS46841-3 VIC		370020A	SS49933 VIC		5403	SS64589 VIC		417506	T10660S TROS		471442!
SS468414 VIC		370065A	SS49934 VIC		5405	SS64589 VIC		5089	T10708S TROS		410708
SS46842 VIC		370036A	SS49950 VIC		5406	SS64603 VIC		370003A	T10719S TROS		471984
SS46842 VIC		370349A	SS49955 VIC		5410	SS66734 VIC		1943	T10814S TROS		471344
SS46842-1 VIC		370036A	SS49969 VIC		5452	SS66740 VIC		224220	T11275S TROS		476470!
SS46842-1 VIC		370349A	SS49970 VIC		5406	SS66740 VIC		42X56X7!	T11275S TROS		476470
SS46842-1 VIC		380036A	SS49998 VIC		5453	SS66740 VIC		494117	T11501317 CHRY		417506
SS46842-4 VIC		370036A >	SS49999 VIC		6643S	SS66755 VIC		225110	T11656 COC		473467!
SS46842-4 VIC		370349A %	SS61197 VIC		5065	SS66802 VIC		1175	T11721 COC		5M403
SS46845 VIC		370036A	SS62106 VIC		3492V	SS66802 VIC		223840 *	T11835 COC		471764!
SS46845 VIC		370349A	SS62106 VIC		5665	SS66872 VIC		800451	T11854 COC		471766!
SS46847 VIC		370037A >	SS62700 VIC		5625	SS6691 VIC		4899	T11879T JOHND		420
SS46847 VIC		370338A %	SS64225 VIC		370013A	SS66912 VIC		5695	T11936 COC		472258
SS46848 VIC		370107A	SS64225-2 VIC		370002A	SS66914 VIC		5696	T11943 COC		473226
SS46848-1 VIC		370036A	SS64227 VIC		370012A	SS66914 VIC		5700	T11961 COC		415449!
SS46848-1 VIC		370349A	SS64227-2 VIC		370002A	SS66926 VIC		710097	T12926 CASE		204008
SS46849 VIC		370027A	SS64227-3 VIC		370012A	SS67139 VIC		5700	T13305 COC		240414
SS47095 VIC		J1119+417344!	SS64229 VIC		370002A	SS68001 VIC		370036A	T13306 COC		240414
SS47275 VIC		5499 =	SS64231 VIC		370029A	SS68001 VIC		370349A	T13306 WHITE		240414
SS47275 VIC		5573	SS64231-1 VIC		370011A	SS68002 VIC		370065A	T1349595 AMC		225020
SS472751 VIC		5573	SS64234-3 VIC		370008A	SS68008 VIC		386025A	T1349596 AMC		229005
SS47361 VIC		5202	SS64236 VIC		386025A	SS68008 VIC		416158	T1349626 CHRY		1172
SS47362 VIC		5203	SS64236 VIC		416158	ST1013 HOUGH		472157	T13501317 CHRY		370023A
SS47407 VIC		5666	SS64238 VIC		370004A	ST1013 HOUGH		472157!	T140 GERL		415991
SS47515 VIC		5397	SS64238-2 VIC		370121A	ST22518 CLARK		470088	T140 GERL		455146!
SS47535 VIC		5599 * =	SS64238-3 VIC		370121A	ST331 VIC		16300	T140009 TROS		240009
SS47537 VIC		5629	SS64240-1 VIC		370192A	ST332 VIC		16301	T140009S TROS		471466
SS47592 VIC		PSK-1	SS64240-2 VIC		370192A	ST333 VIC		16302	T140364 TROS		350364
SS47650 VIC		476470!	SS642403 VIC		370057A	ST334 VIC		16303	T140629 TROS		481537
SS47777 VIC		5487	SS64410 VIC		370027A	ST339 VIC		16304	T140771 TROS		340771
SS47778 VIC		5473	SS64412 VIC		370002A	ST51258 CLARK		455330!	T145035 TROS		345035
SS477781 VIC		5481	SS64412-1 VIC		370011A	STD1473 AVCO		471765!	T145637 TROS		45637S
SS47781 VIC		5473	SS64412-3 VIC		370002A	STD1484 AVCO		473236!	T14720 CASE		200110
SS47786 VIC		5494	SS64414 VIC		370001A	STD1568 AVCO		472164!	T15013S TROS		415995!
SS47789 VIC		5460	SS64415 VIC		370124A	STD1569 AVCO		473214!	T15095S TROS		416271!
SS47795 VIC		417506	SS64415-1 VIC		370015A	SU8854 LF-PT		471337	T15149 TROS		417343!
SS47795 VIC		5563	SS64437 VIC		370057A	SV125 LETN		417556	T15177S TROS		415379
SS47795-1 VIC		417505	SS64437-2 VIC		370005A	SX13830 ALLCH		412040	T15192S TROS		415192N
SS47866 VIC		5624	SS64443 VIC		370030A	SX13831 ALLCH		470898!	T15281S TROS		417349
SS47869 VIC		370019A	SS64456 VIC		370002A	SX46673 JOHND		411394!	T15379S TROS		415379
SS47870 VIC		5460	SS64460 VIC		417172	SX47271 JOHND		415379	T15899S TROS		415899N
SS47877 VIC		370046A	SS64462 VIC		370015A	SX47271 JOHND		415379!	T15899S TROS		416624
SS47878 VIC		370069A	SS64464 VIC		370145A	T-351406 HYST		471766!	T15939 COC		470954
SS47878 VIC		380069A	SS64468 VIC		370007A	T-351417 HYST		471271!	T16038Z WITTE		470625!
SS47880SF VIC		370047A	SS64471 VIC		417172	T-371474 HYST		471570!	T16377 HARN		416888!
SS47880SF VIC		5649	SS64482 VIC		415958	T-429735 HYST		415027	T19580 JOHND		340835
SS47882 VIC		417360	SS64487 VIC		417134	T-429735 HYST		415027!	T19761613 HYST		200861
SS47883 VIC		370033A	SS64491 VIC		370011A	T-77612081 HYST		417350!	T19761614 HYST		JV933
SS47885 VIC		418028	SS64495 VIC		370033A	T0247576 CHRY		710196	T19802 JOHND		473474
SS47887 VIC		370012A	SS64502 VIC		418028	T0695940 RENA		716102	T19802T JOHND		473474
SS47889 VIC		370019A	SS64511 VIC		370012A	T0725410 RENA		222556	T200 BUTBN		471735
SS47890 VIC		370005A	SS64530 VIC		370001A	T10055S TROS		473215!	T200117 HYST		311197
SS47891 VIC		370021A	SS64534 VIC		370054A	T10059S TROS		410059	T20036 CASE		453279!
SS47983 VIC		370150A	SS64536 VIC		370023A	T10059S TROS		470380!	T20076S TROS		470334!
SS48005 VIC		415035	SS64538 VIC		370132A	T101 BUTBN		471766!	T20081 CASE		204035
SS48048 VIC		416154!	SS64539 VIC		370131A	T10121S TROS		472409	T20120 TROS		471224!
SS48173 VIC		417365	SS64539 VIC		455685	T10136S TROS		470625!	T20223 JOHND		343101
SS49212 VIC		470354	SS64541 VIC		370011A	T10160 TROS		471763	T202964 CUMMI		471795
SS49251 VIC		470354	SS64542 VIC		416892	T10163S TROS		471766!	T205006 TROS		203006!
SS49521 VIC		470354	SS64546 VIC		370006A	T10171S TROS		473016!	T205007 TROS		6489
SS49521-1 VIC		470354	SS64550 VIC		416888!	T10181 CASE		411253!	T205008 TROS		205017
SS49742 VIC		5458	SS64553 VIC		370019A	T1021 GERL		472397!	T205017 TROS		204017

! Industrial Size/Type * Minor Width Difference > Hub Mount % Spindle Mount = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
T219	BUC-E	416892!	T3087157	RENAU	225110	T429247	HYST	416404!	T51100	TROS	471652
T220120	TROS	471224!	T308D	MC-NO	473179	T429250	HYST	417601	T51100	TROS	482208!
T220301	TROS	472397!	T331107	TROS	331107N	T429251	HYST	415551	T51100S	TROS	471652
T22069	JOHND	471192	T331227	TROS	331227H	T429595	HYST	472150	T51143S	TROS	451143
T22101	JOHND	240733	T331228	TROS	331228H	T42994	HYST	416865!	T5126	TROS	416738!
T22101T	JOHND	240733	T331301	TROS	331301N	T42995	HYST	352541	T5126	TROS	450096
T22198	JOHND	472419	T335924	TROS	335924N	T43331	HYST	415066	T52008X	DOMGA	415379
T22260	JOHND	471267!	T33622	HYST	471224	T441127	TROS	203006!	T5203	COC	472439
T225003	TROS	415458!	T336819	HYST	472258!	T441130	TROS	441130	T5289	COC	416888!
T225086	TROS	417487!	T340364	TROS	350364	T448180	HYST	55646=	T5289	WHITE	416888!
T225086	TROS	417487	T34037	CASE	471224!	T44819	HYST	415697!	T5358	COC	471442!
T225146	TROS	415146!	T340950	TROS	6241S	T44819	HYST	455547	T54255	CASE	473239!
T225146	TROS	415991	T35003	TROS	415458!	T448239	HYST	416888!	T54429	CASE	204027
T230737	TROS	410737!	T35004	TROS	417316!	T450055	TROS	473215!	T55049	TROS	416892!
T235070	TROS	416865!	T35009	TROS	415960	T450061	TROS	470950!	T55051	TROS	415371
T235086	TROS	417487	T35012	TROS	416654	T450061	TROS	6241S	T55052	TROS	415284
T235086	TROS	417487!	T35012S	TROS	416654	T450076	TROS	470334!	T55052S	TROS	415284
T235095	TROS	416271!	T35013	TROS	415995!	T451143	TROS	451143	T55054	TROS	417223
T235315	TROS	415984!	T35013	TROS	415995!	T451147	TROS	472164	T55060	TROS	370019A
T235348	TROS	475348N	T35016S	TROS	416288	T465147	HYST	417507!	T55062	TROS	370021A
T235354	TROS	416404!	T35018S	TROS	476470!	T465147	HYST	417507!	T55064	TROS	370021A
T235498	TROS	415498	T35018S	TROS	476470	T465148	HYST	417603!	T55075	TROS	416476!
T235949	TROS	416500	T35070	TROS	416865	T46629	HYST	415449!	T55124	TROS	415124
T23709	CASE	41461S	T350936	TROS	350936	T470441	TROS	471341!	T55128	TROS	415128
T23902	JOHND	471570!	T35095S	TROS	416271!	T470684	TROS	471827	T55129	TROS	455129
T23902T	JOHND	471570!	T35101	TROS	416282	T480212	HYST	415960!	T55172S	TROS	416332!
T240141	TROS	470954!	T35101S	TROS	416282	T480330	TROS	473452	T55188	TROS	AR12+370033A
T240185	TROS	40185	T351071	TROS	471267!	T481193	TROS	471193	T55189	TROS	455189
T240791	TROS	471466	T35137	TROS	415137!	T481195	TROS	471195!	T55197	TROS	455197N
T247667	HYST	JV1944=	T35137	TROS	418028	T485921	TROS	413246	T55232	TROS	416153!
T24919	JOHND	J1267=	T35146	TROS	415146!	T49550	TIMKE	205004	T55234	TROS	415234!
T25013S	TROS	415995!	T35146	TROS	415991	T49569	TIMKE	204002	T55251	TROS	455251H
T25016S	TROS	416288!	T35156	TROS	5578	T49569	TMTR	200354	T55251S	TROS	455251H
T250203	TROS	481443!	T35322	TROS	417484!	T50000	OLIVE	200354	T55356	TROS	455356
T250H	MC-NO	473234	T35348S	TROS	475348N	T50000	ROCKW	204002	T55361	TROS	416865
T251076	TROS	471076	T35380	TROS	410825	T50000	TIMKE	204002	T55363	TROS	417362!
T25112	JOHND	JX1386=	T354106	HYST	455509	T50000	TMTR	200354	T55371	TROS	416892
T25147S	TROS	415449!	T354119	HYST	471413	T50006	TROS	471530	T55380	TROS	410825
T254	BUTBN	471795	T354225	HYST	472164!	T50016	TROS	471535!	T55452	TROS	417597
T260024	HYST	471344	T358160	HYST	473367!	T50017	TROS	473405	T55476	TROS	455476
T260025	HYST	473230!	T358160	HYST	473367	T50030	TROS	474253	T55498	TROS	415498
T260H	MC-NO	7442H	T36622	HYST	471224	T50041EXA	HARN	415034!	T55511	TROS	2081
T266D	MC-NO	9613S	T371358	HYST	473435	T50044EX	HARN	415030!	T55581	TROS	370023A
T270F	MC-NO	331107N	T37225	JOHND	JV1166	T50051EXA	HARN	415034!	T55718	TROS	370019A
T271F	MC-NO	7692S	T37297	CASE	471870!	T50122	TROS	473437	T5577	TROS	5095
T272F	MC-NO	7300S	T37799	CASE	200854	T50188	TROS	450188	T55963S	TROS	415379!
T274	BUTBN	473424!	T39278	CASE	204002	T50248	TROS	473436	T57707	TIMKE	450765!
T274F	MC-NO	7929S	T39419	JOHND	J1129*	T50261	TROS	473466	T5797	TROS	5797
T277G	MC-NO	473179	T40047	CASE	210945	T50273	TROS	450273	T5833	TROS	473228
T27809	CASE	204029	T40063	TROS	7886S	T50275	TROS	450275	T5846	TROS	6064
T27809	CASE	204507!	T40555S	TROS	40555	T50280	TROS	471866!	T5919S	TROS	204002
T286280	HYST	417181!	T40555S	TROS	40555S1	T50311	TROS	450311	T5935	TROS	473463
T287P	MC-NO	331228H	T40556	TROS	471821!	T50362	TROS	450362	T59401	TROS	5320=
T28889	CASE	204013	T40629	TROS	481537	T50375	TROS	6936S	T5961	TROS	370036A
T290567	TROS	471267!	T40769	TROS	40769S	T50431	TROS	471539!	T5961	TROS	370349A
T290675	TROS	240027=	T40787	TROS	340787	T50457	TROS	450457	T59760S	TROS	335924N
T29511	CASE	290944=	T409131	HYST	470898	T50485	TROS	411330!	T6027	TROS	471316
T295957	TROS	8976S	T409163	HYST	472409!	T50487	TROS	470487!	T6040	TROS	415899N
T30028	CASE	204035	T409165	HYST	473475	T50524	TROS	410524	T6040	TROS	416624
T30083	TROS	472924!	T409268	HYST	451948	T50539	TROS	414268!	T6094	TROS	472636!
T30101	TROS	412119	T41013	TROS	7186S	T50588	TROS	450588	T6195	TROS	417262=
T30183	TROS	472179	T410567	TROS	471267!	T50613	TROS	471224!	T62701	TROS	473454
T30300	TROS	472394	T4133	GERL	471224!	T50613S	TROS	471224!	T63035	TROS	471504
T30303S	TROS	472015!	T415156	TROS	417621	T50628	TROS	473420	T63201S	TROS	8477S
T30316	TROS	472636!	T415899	TROS	415899N	T50634	TROS	472475	T6337S	TROS	473435
T30352	TROS	472164!	T415899	TROS	416624	T50639	TROS	450639	T6340S	TROS	472258
T30487	CASE	200856	T415983	TROS	415983N!	T50911S	TROS	450911N!	T63720	TROS	5095
T3065057	CHRY	228010	T41675	JOHND	J1134	T50966	TROS	472924!	T63961	TROS	472951
T30666	TROS	450666	T42513	HYST	415458!	T50988	TROS	473474	T63961	TROS	474252
T3087079	RENAU	224520	T429112	HYST	415482	T50991S	TROS	480630!	T64101S	TROS	8705S
T3087143	RENAU	223240	T42914	HYST	472397!	T51047S	TROS	471571	T64201S	TROS	8594S
T3087144	RENAU	1992	T429216	HYST	415072	T51073S	TROS	481073	T64202S	TROS	8660S

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
T64402S TROS	8610	T9505 COC	472287!	TE1304 HARN	417316!	TO9 ATP	471827
T64501R TROS	473179	T95147 TROS	415449!	TE1305 HARN	417490	TP3185 OLIVE	204002
T6508 TROS	472015!	T95177 TROS	415379	TE1306 HARN	417191	TR1010 HU-WR	416892!
T6508S TROS	472015!	T9554 COC	471141!	TE1306 HARN	455165!	TR1015 HU-WR	415035!
T65202 TROS	8940S	T95701 TROS	415995!	TE1307 HARN	417196!	TR1015 HU-WR	415035
T65240 TROS	8704S	T95701 TROS	415995!	TE1308 HARN	415027	TR41M91723 CINMI	473228
T65261 TROS	370036A	T95705 TROS	415995!	TE1308 HARN	415027!	TR8495 LETN	416865!
T65261 TROS	370349A	T95705 TROS	415995!	TE1309 HARN	415711	TRAA1175A FORD	415857!
T65261 TROS	380036A	T998 GERL	455019!	TE237 FABCO	473473	TRC7006 FUNK	473459
T65262 TROS	376590A	TA154 MINNM	473449	TEAA4676A FORD	410737!	TRC70062 FUNK	473459
T65298 TROS	370037A	TA74634 WABCO	455107N=	TEAN1144A FORD	5487	TRC7116 FUNK	471192
T65298 TROS	370338A	TAAK1190 FORD	44053	TEAN1174A FORD	5487\$	TRC71164 FUNK	450375!
T65300 GEHL	6590S	TABAJ77918AB FORD	417316!	TEAN1174B FORD	5487\$	TRC71164 FUNK	69365!
T65300 OLIVE	6590S	TACA7828A FORD	471570!	TEAN1175B FORD	455858	TRC71164 FUNK	9845
T65300 TIMKE	6590S	TACA7828S FORD	471570!	TEAN1175C FORD	455858	TRS-005 FORSH	710414
T65340S TROS	8695S	TAJAA1175A FORD	370021A	TEAN1175D FORD	455858	TS11375 ROL	TCS45285
T65360S TROS	7687S	TAJAA1175B FORD	370021A	TEAN1181B FORD	5487	TS11430 ROL	TCS45472
T65501S TROS	9449	TAJAA1175B FORD	415351!	TEAN1181C FORD	5487	TS11735 ROL	TCS45483
T6564S TROS	415449!	TAKAA1175A FORD	370004A	TEAN1181D FORD	5487	TS11740 ROL	TCS45483
T6638 TROS	370001A	TAKAA1190A FORD	416130!	TF1519 AU-WS	417171!	TS11750 ROL	TCS45635
T6646S TROS	9613S	TAKAA4676A FORD	416282	TF7198 LETN	470565!	TS11760 ROL	TCS45635
T6656 TROS	7300S	TB7106 FUNK	471192	TF98924 WABCO	332134	TS11765 ROL	TCS45473
T6656S TROS	473234!	TBAA4676A FORD	451078!	TFAA3591A FORD	6597S	TS11775 ROL	TCS45108
T6693S TROS	470605!	TBAA7048 FORD	410308!	TG15519015 FORSH	155X190X15	TS11875 ROL	TCS45608
T6696 TROS	417355!	TBAA7048A FORD	410308!	TG17520015 FORSH	175X200X15	TS11900 ROL	TCS45689
T6711 TROS	205004	TBAF4676A FORD	6808N	TG18020015 FORSH	180X200X15	TS11920 ROL	TCS45424
T6712S TROS	473179	TC-M446 ALLCH	415437	TG19327 FORSH	19X32X8	TS11930 ROL	TCS45700
T6755 TROS	416892	TC-M446 ALLCH	415437!	TG20378 FORSH	20X37X8	TS11965 ROL	TCS45724
T6808 TROS	6808N	TC11236 ROL	16202	TG24428 FORSH	24X42X8	TS11985 ROL	TCS45506
T6840 TROS	6840S	TC11252 ROL	16210	TG33528.5 FORSH	33X52X8.5	TS12015 ROL	TCS45725
T6842 TROS	7600S	TC130069 MARMO	417507!	TG365610 FORSH	36X56X10	TS12025 ROL	TCS45727
T6855S TROS	6855N=	TC130069 MARMO	417507	TG38211 LETN	415104N=	TS12230 ROL	TCS45847
T6864 TROS	370023A	TC238 FABCO	471267!	TG426810 FORSH	42X68X10	TS12250 ROL	TCS45483
T6869S TROS	370005A	TC251 FABCO	471554!	TG446510 FORSH	44X65X10!	TS12305 ROL	TCS45860
T6874S TROS	473234!	TC284 FABCO	473474	TG458510 FORSH	45X85X10	TS12385 ROL	TCS45901
T6879S TROS	470898!	TC422 FABCO	413247!	TG507510 FORSH	50X75X10	TS12465 ROL	TCS45718
T6951S TROS	7686S	TC5136A GWI	417584	TG508513 FORSH	50X85X10	TS12470 ROL	TCS45719
T6954 TROS	6954S	TC523 FABCO	353132	TG557810 FORSH	55X78X10	TS12495 ROL	TCS45939
T6988S TROS	473459	TC8513 LETN	417344	TG588510 FORSH	58X85X10	TS12505 ROL	TCS45699
T7006S TROS	370006A	TCA1175 FORD	415960!	TG589010 FORSH	58X90X10	TS12545 ROL	TCS45870
T7018S TROS	7018N=	TCAA1175A FORD	415960!	TG609513 FORSH	60X95X13	TS240U5 NORDG	472193!
T7022S TROS	473317	TCAA1175A1 FORD	415960!	TG7010513 FORSH	70X105X13	TS700011 FUNK	471835!
T7031S TROS	473234!	TCAA4676A FORD	410308	TG9364 COC	417316!	TUAA1174A FORD	5951
T7041S TROS	370012A	TCAK1190 FORD	6954S	TG9431 COC	417205!	TUAA1175A FORD	415060
T7044 TROS	7044NA	TCAK1190A FORD	6954S	TG9856 COC	416706!	TUAA1175A FORD	455060
T7107 TROS	7107A=	TD105598 CHRYS	471224	TGAA1190A FORD	417134	TUAA1181A FORD	5951
T7142S TROS	200110	TD108629 CHRYS	417316!	TL763 WABCO	415351=	TUAA1190 FORD	370001A
T7338S TROS	7338N	TD1592 CHRYS	340413	TL7633 LETN	415351=	TUAY1190A FORD	370001A
T7376 TROS	370003A	TD256 LETN	471341!	TM1469 HEIL	471532	TUAY1190A FORD	6638S
T7378 TROS	370006A	TD339 LETN	415066	TM1960 AVCO	415458!	TVAA4463A FORD	470565!
T7383S TROS	321460	TD4358 MINNM	240007=	TM1960 MINNM	415458!	TVAA4478A FORD	410737!
T74239 JOHND	J1139*=	TDA-1244-U879 ROCKW	AR23	TM527 HU-WR	415645!	TVAA4676A FORD	410987!
T7442S TROS	7442H	TDAA1175A FORD	416297	TM527 HU-WR	455104	TVAA4676A FORD	450686
T7452S TROS	370019A	TDAA1175A1 FORD	416297	TM545 HU-WR	416888!	TVAA77918A2 FORD	415449!
T7453S TROS	370021A	TDAA1175A3 FORD	416297	TM546 HU-WR	416125!	TVAA77918A3 FORD	415449!
T7456S TROS	7456N	TDAA1175B FORD	416297	TO-28 ATP	3459	TVAA77952A FORD	471267!
T7457 TROS	7457N	TDAA1175C FORD	416297	TO-35 ATP	320583	TVCE77918A FORD	415449!
T7487 TROS	7994S	TDBA1190 FORD	44052	TO1190 MASSE	6336S	TW1029U NORDG	411245!
T776210-3 HYST	415294!	TDM112 ALLCH	415027!	TO14 ATP	8935S	TX101 COTTA	471466!
T776408-1 HYST	417316=	TDM112 ALLCH	415027	TO15 ATP	471539	TX103 COTTA	471554!
T7769S TROS	6241S	TDM137 ALLCH	415995!	TO2 ATP	472354!	TX105 COTTA	471137
T7824S TROS	471193	TE1301 HARN	473245!	TO24 ATP	2506	TX106 COTTA	450040
T8121 TROS	8121S	TE13010 HARN	417497	TO3 ATP	7392S=	TX107 COTTA	471649!
T8181 TROS	472070	TE13011 HARN	417357	TO3670 MASSE	473423	TX108 COTTA	450593!
T8528 COC	471192	TE13011 HARN	455192!	TO4 ATP	331228H	TX109 COTTA	476838!
T867366337 GE	350364	TE13012 HARN	417513	TO4251 MASSE	417316!	TX110 COTTA	473205!
T9287 COC	476838!	TE13013 HARN	455197N	TO4251A MASSE	410987=	TX111 COTTA	471750!
T9296 COC	470806	TE13014 HARN	415196!	TO703 MASSE	471829	TX114 COTTA	471795
T9364 COC	417158!	TE13015 HARN	415047	TO7052 MASSE	472258	TX115 COTTA	471762!
T9455 COC	473229	TE13016 HARN	472144!	TO749 MASSE	473214	TX117 COTTA	473215!
T9467 COC	471766!	TE1302 HARN	415007	TO750 MASSE	473236!	TX118 COTTA	470950!
T9498 COC	254270	TE1303 HARN	455151	TO8 ATP	331227H	TX118 COTTA	6241S

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
TX122	COTTA	474281!	TX302	COTTA	476838!	TX411	COTTA	240735	TX603	COTTA	472164!
TX123	COTTA	471821!	TX303	COTTA	471141!	TX412	COTTA	455655!	TX657	COTTA	470898
TX124	COTTA	473367!	TX304	COTTA	471276	TX413	COTTA	415035	TX660	COTTA	415483
TX125	COTTA	472185!	TX305	COTTA	473214!	TX414	PACIF	471192	TX684	COTTA	472016!
TX126	COTTA	470334!	TX307	COTTA	415021	TX416	COTTA	417082	TX685	COTTA	472164!
TX127	COTTA	473447	TX308	COTTA	416271!	TX419	COTTA	412920!	TX7563	MASSE	472397!
TX128	COTTA	472924!	TX309	COTTA	450400	TX420	COTTA	417316!	TXA28610	MASSE	340724!
TX129	COTTA	450084!	TX310	COTTA	471271!	TX421	COTTA	416404!	U11243	IH	471137
TX130	COTTA	472397!	TX314	COTTA	417349	TX426	COTTA	472157!	U1227	ALLCH	415007
TX131	COTTA	410102	TX315	COTTA	416664!	TX426	COTTA	472157	U12688	JOHND	416345!
TX132	COTTA	472015!	TX316	COTTA	415984!	TX428	COTTA	471341!	U12688	JOHND	455033
TX133	COTTA	413469!	TX318	COTTA	415302	TX429	COTTA	415150!	U14264	JOHND	472164!
TX134	COTTA	411253!	TX321	COTTA	415991!	TX430	COTTA	450084!	U14488	JOHND	412920!
TX136	COTTA	412119!	TX321	COTTA	415991	TX441	COTTA	417351!	U16633	IH	471766!
TX139	COTTA	415449!	TX326	COTTA	471984	TX444	COTTA	416167!	U17942	IH	471137
TX140	COTTA	415001!	TX327	COTTA	417487!	TX445	COTTA	416229	U17943	IH	471766!
TX141	COTTA	415458!	TX327	COTTA	417487	TX446	COTTA	415138!	U17944	IH	476838!
TX142	COTTA	415007	TX328	COTTA	417487	TX448	COTTA	415960!	U195	ALLCH	472409!
TX143	COTTA	417316!	TX334	COTTA	470898	TX449	COTTA	415449!	U196	ALLCH	473367
TX144	COTTA	415960!	TX337	COTTA	474265	TX450	COTTA	417269!	U196	ALLCH	473367!
TX145	COTTA	415960!	TX338	COTTA	416706!	TX451	COTTA	417967!	U2104	ALLCH	5M403
TX146	COTTA	415995!	TX339	COTTA	416865!	TX452	COTTA	472144!	U2602	ALLCH	473462
TX147	COTTA	417488!	TX340	COTTA	416865!	TX454	COTTA	417254	U2674	ALLCH	473215!
TX149	COTTA	417171!	TX341	COTTA	415082!	TX456	COTTA	473237!	U303A	CALSO	472164!
TX150	COTTA	417171!	TX342	COTTA	411253!	TX457	COTTA	412027	U40370	JOHND	412920
TX151	COTTA	476470	TX343	COTTA	470605!	TX458	COTTA	415294!	U41491	JOHND	200875=
TX152	COTTA	415137!	TX345	COTTA	416865!	TX459	COTTA	472492!	U41989	JOHND	476470
TX152	COTTA	418028	TX348	COTTA	481864	TX460	COTTA	417357	U41989	JOHND	476470!
TX153	COTTA	415023	TX349	COTTA	473225	TX460	COTTA	455192!	U4213	SPICE	473423
TX154	COTTA	415025	TX351	COTTA	450275	TX462	COTTA	415035!	U43766	JOHND	200870
TX155	COTTA	415991	TX352	COTTA	471504	TX464	COTTA	470380!	U43767	JOHND	JV980=
TX155	COTTA	455146!	TX355	COTTA	476470!	TX467	COTTA	415041	U44336	JOHND	416149
TX155	HARN	415991	TX355	COTTA	476470	TX468	COTTA	415371	U481521	LAZOR	35094
TX155	HARN	455146!	TX357	COTTA	416888!	TX469	COTTA	415138!	U481726	LAZOR	25598
TX156	COTTA	415991	TX359	COTTA	471272!	TX472	COTTA	470565!	U49-8092	LAZOR	1172
TX156	COTTA	415991!	TX363	KEN	415991	TX473	COTTA	415303=	U49-8106	LAZOR	229210
TX157	COTTA	415027	TX363	KEN	415991!	TX476	COTTA	473474	U49-8254	LAZOR	1108
TX157	COTTA	415027!	TX363	PACIF	415991	TX479	COTTA	416345!	U49-8262	LAZOR	716102
TX159	COTTA	417205!	TX363	PACIF	415991!	TX479	COTTA	455033	U49-8319	LAZOR	710205
TX160	COTTA	415034!	TX366	COTTA	415449!	TX481	COTTA	471341!	U49-8327	LAZOR	227040
TX161	COTTA	415036	TX367	COTTA	417316!	TX482	COTTA	473466	U49-8327	LAZOR	BS25035
TX162	COTTA	415047	TX368	COTTA	416654!	TX483	COTTA	416921!	U49-8335	LAZOR	227530
TX163	COTTA	415991	TX369	COTTA	415725!	TX485	COTTA	470954!	U49-8343	LAZOR	229005
TX163	COTTA	415991!	TX371	COTTA	415379	TX489	COTTA	415060	U49-8351	LAZOR	223540
TX164	COTTA	417538	TX371	COTTA	415379!	TX494	COTTA	417351!	U49-8360	LAZOR	224865
TX165	COTTA	417269!	TX373	COTTA	473179!	TX498	COTTA	415725!	U49-8378	LAZOR	224250
TX166	COTTA	415072	TX374	COTTA	416288!	TX500	COTTA	417247!	U49-8408	LAZOR	223010
TX168	COTTA	416654!	TX376	COTTA	415995!	TX501	COTTA	416287	U49-8416	LAZOR	3771
TX172	COTTA	473225!	TX377	COTTA	416288!	TX501	COTTA	416288!	U49-8424	LAZOR	223035
TX274	COTTA	416271!	TX378	COTTA	417487!	TX502	COTTA	415035!	U49-8432	LAZOR	224025
TX275	COTTA	415449!	TX378	COTTA	417487	TX503	COTTA	416339	U49-8440	LAZOR	1873
TX277	COTTA	473258!	TX379	COTTA	476470	TX503	COTTA	455031!	U49-8556	LAZOR	3476
TX278	COTTA	416892!	TX380	COTTA	471267!	TX504	COTTA	417316!	U49-8556	LAZOR	710310
TX281	COTTA	472179	TX381	COTTA	411376!	TX507	COTTA	417191	U49-9021	LAZOR	224250
TX283	COTTA	476470	TX382	COTTA	412473!	TX510	COTTA	417172	U49-9056	LAZOR	224520
TX284	COTTA	417355!	TX383	COTTA	417171!	TX511	COTTA	415991	U49-9064	LAZOR	226480
TX285	COTTA	416891!	TX388	COTTA	417316!	TX511	COTTA	455146!	U498521	LAZOR	BS40382
TX286	COTTA	455024	TX389	COTTA	471271!	TX514	COTTA	415995!	U498530	LAZOR	BS25035
TX287	COTTA	415991	TX390	COTTA	472397!	TX526	COTTA	472164!	U503	CALSO	472164!
TX287	COTTA	455146!	TX392	COTTA	415072	TX52759	JOHND	470530!	U8-G20	OSHO	415023
TX288	COTTA	455197N	TX395	COTTA	472705!	TX529	COTTA	471413!	U81-8321	LAZOR	224462
TX289	COTTA	416288!	TX398	COTTA	412119!	TX52906	JOHND	417343!	U81-8496	LAZOR	239146
TX291	COTTA	472636!	TX399	COTTA	471271!	TX550	COTTA	472016	U81-8500	LAZOR	1176
TX292	COTTA	415035	TX401	COTTA	415088	TX558	COTTA	416444	U81-8518	LAZOR	223014
TX292	COTTA	415035!	TX401	COTTA	415088!	TX559	COTTA	415379	U81-8526	LAZOR	224252
TX293	COTTA	415007	TX403	COTTA	472164!	TX559	COTTA	415379!	U81-8534	LAZOR	224462
TX294	COTTA	415995!	TX404	COTTA	470605!	TX561	COTTA	416271!	U81-8550	LAZOR	473238!
TX295	COTTA	471272!	TX406	COTTA	416888!	TX562	COTTA	472185!	U81-8550	LAZOR	9912
TX298	COTTA	470380!	TX407	COTTA	456199=	TX567	COTTA	470898	U81-8569	LAZOR	224820
TX299	COTTA	416332!	TX408	COTTA	455123	TX570	COTTA	471192	U81-8577	LAZOR	1208
TX300	COTTA	471820	TX409	COTTA	415088	TX571	COTTA	412920!	U81-8585	LAZOR	225010
TX301	COTTA	415001!	TX410	COTTA	416125!	TX572	COTTA	471138!	U81-8593	LAZOR	1960

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
U81-8615	LAZOR	226020	UB0065E0	NOK	417349	UD0508E0	NOK	3385	UF0230E	NOK	8121S
U81-8631	LAZOR	1174	UB0084E0	NOK	474254*	UD0520E	NOK	95X115X13	UF0230E0	NOK	8121S
U81-8640	LAZOR	1217	UB0084E0	NOK	474254!	UD0520E0	NOK	95X115X12	UF0260E	NOK	8705S
U81-8658	LAZOR	482126	UB0086E	NOK	6703S	UD0624E0	NOK	50X70X8!	UF0260E0	NOK	8705S
U81-8666	LAZOR	1962	UB0086E0	NOK	6703S	UD0624E0	NOK	50X70X9	UF0491E	NOK	9406S
U81-8666	LAZOR	224015	UB0105E0	NOK	473449!*	UD0751E0	NOK	15X35X7	UF0491E0	NOK	9406S
U81-8674	LAZOR	224835	UB0109E0	NOK	7994S	UE-0321-E0	NOK	473259	UF0495E	NOK	8871
U81-8682	LAZOR	224835	UB0142E	NOK	3945	UE0009E0	NOK	473551	UF0495E0	NOK	8871
U81-8690	LAZOR	344032	UB0142E0	NOK	3945	UE0077E0	NOK	25X52X10	UF0496E	NOK	330385
U81-8720	LAZOR	226520	UB0176E	NOK	2377	UE0077E0	NOK	25X52X7!	UF0496E0	NOK	330385
U81-8739	LAZOR	225420	UB0176E0	NOK	2377	UE0112E	NOK	471744!	UF0497E	NOK	340787
U81-8747	LAZOR	473234!	UB0218E	NOK	331301N	UE0112E0	NOK	471744!	UF0497E0	NOK	340787
U81-8755	LAZOR	224820	UB0218E0	NOK	331301N	UE0152E	NOK	473258!	UF0500E	NOK	40520S
U81-8771	LAZOR	239129	UB0368E	NOK	471504*	UE0152E0	NOK	473258!	UF0500E0	NOK	40520S
U81-8828	LAZOR	472213	UB0368E	NOK	471504!	UE0205E	NOK	473232!	UF0502E	NOK	343105!
U81-9034	LAZOR	1960	UB0368E0	NOK	471504*	UE0205E0	NOK	473232!	UF0502E	NOK	7399S
U81-9050	LAZOR	224045	UB0368E0	NOK	471504!	UE0282E	NOK	470774=	UF0502E0	NOK	343105!
U81-9069	LAZOR	224835	UB0372E	NOK	472354!	UE0319E	NOK	481397	UF0502E0	NOK	7399S
U81-9085	LAZOR	225500	UB0372E0	NOK	472354!	UE0319E0	NOK	481397	UF0505E	NOK	2222
U81-9093	LAZOR	225010	UB0441E	NOK	710202	UE0323E0	NOK	482310	UF0505E0	NOK	2222
U81-9107	LAZOR	710309	UB0452E	NOK	473179	UE0463E0	NOK	85X125X12	UF0506E	NOK	44052
U81-9123	LAZOR	471224!	UB0452E0	NOK	473179	UE0485E0	NOK	15X30X7	UF0506E0	NOK	44052
U81-9131	LAZOR	6370N	UB0498E	NOK	253099	UE0665E0	NOK	26X38X5!	UF0820E	NOK	1932
U81-9140	LAZOR	223510	UB0498E0	NOK	253099	UE0667E0	NOK	17X47X8	UF0820E0	NOK	56X68X10
U81-9158	LAZOR	1120	UB0499E	NOK	471539!	UE0668E0	NOK	12X25X7	UG0081E0	NOK	8976S
U81-9166	LAZOR	471192	UB0499E0	NOK	471539!	UE0670E0	NOK	15X35X7	UG0203E0	NOK	471652
U81-9174	LAZOR	1213N	UB0501E	NOK	7013S	UE0671E0	NOK	15X24X7	UG0424F0	NOK	16X24X6
U81-9182	LAZOR	224520	UB0501E0	NOK	7013S	UE0673E0	NOK	20X30X7	UH-0516-E	NOK	710426
U81-9190	LAZOR	472164!	UB0555E	NOK	710241	UEU0334E0	NOK	35X52X8!	UH-0598-E0	NOK	710388
U81-9204	LAZOR	223535	UB0555E0	NOK	710241	UF-0532-E0	NOK	472311	UH-0946-E	NOK	710431
U81-9808	LAZOR	65X80X8	UB1	JOHND	471646!	UF0014E0	NOK	440972	UH-0946-E0	NOK	710431
U818542	LAZOR	1012	UB124	WHITE	415035	UF0015E0	NOK	482126	UH0004E	NOK	9599S
U818542	LAZOR	1012N	UB124	WHITE	415035!	UF0018E	NOK	340136	UH0004E0	NOK	9599S
U818542	LAZOR	710321	UB40-26-157	CHRY	1994	UF0018E0	NOK	340136	UH0022F0	NOK	710263
U818810	LAZOR	224020	UC0159E	NOK	7412S	UF0018F	NOK	40468	UH0022H0	NOK	710263
U818810	LAZOR	3392	UC0159G	NOK	7412S	UF0018F0	NOK	40468	UH0043E	NOK	3348
U819026	LAZOR	224235	UC0380E0	NOK	35X62X7!	UF0023E0	NOK	204038	UH0043E0	NOK	3348
U819115	LAZOR	1012	UC0384E0	NOK	25X47X7	UF0030E0	NOK	204008	UH0047E	NOK	8835S
U819115	LAZOR	1012N	UC0442E	NOK	45X72X7!	UF0032E0	NOK	40141*	UH0047E0	NOK	8835S
U997 ALLCH		411253!	UC0442E0	NOK	45X72X12!	UF0038E	NOK	6815	UH0097F0	NOK	35X50X8!
UA0029E0	NOK	415960	UC0442E0	NOK	45X72X95	UF0038E0	NOK	6815	UH0097F0	NOK	3774
UA0062E0	NOK	477163N	UC0465E0	NOK	12X28X7	UF0058E0	NOK	204002	UH0102E	NOK	9773
UA0068E0	NOK	415088	UC0599E0	NOK	25X35X7!	UF0067E	NOK	40316S	UH0102E0	NOK	9773
UA0071E0	NOK	456618	UCB521	CLSTL	473237!	UF0067E0	NOK	40316S	UH0111E	NOK	3772
UA0072E0	NOK	415060	UD0024ED	NOK	472446	UF0075E0	NOK	6954S	UH0111E0	NOK	3772
UA0072E0	NOK	455060	UD0035E0	NOK	471413	UF0098F	NOK	240733	UH0111G0	NOK	3772
UA0073E0	NOK	417530	UD0053E0	NOK	470706=	UF0098F0	NOK	240733	UH0164E	NOK	3909
UA0074E0	NOK	417507	UD0061E0	NOK	415303=	UF0114E	NOK	7607	UH0164E0	NOK	3909
UA0078E0	NOK	415958	UD0066E0	NOK	415035	UF0114E0	NOK	7607	UH0164G0	NOK	3909
UA0080E0	NOK	415983	UD0075E	NOK	472012	UF0115E0	NOK	471316	UH0164J0	NOK	3909
UA0080E0	NOK	415983N!	UD0075E0	NOK	472012	UF0116E0	NOK	203071=	UH0190E	NOK	9613S
UA0083E0	NOK	470764!	UD0076E	NOK	39807	UF0138E0	NOK	470954	UH0190E0	NOK	9613S
UA0083E0	NOK	50764	UD0076E0	NOK	39807	UF0144E	NOK	471795	UH0193F	NOK	710075
UA0085E0	NOK	455019!	UD0166E	NOK	4122	UF0144E0	NOK	471795	UH0193F0	NOK	710075
UA0089E0	NOK	413469!	UD0166E	NOK	470547	UF0195E	NOK	4148	UH0193F0	NOK	710075
UA0091E	NOK	417548	UD0166E0	NOK	4122	UF0195E0	NOK	4148	UH0208E0	NOK	4810V
UA0091E0	NOK	417548	UD0166E0	NOK	470547	UF0200E	NOK	5121	UH0214E	NOK	4250
UA0123E0	NOK	412943	UD0168E	NOK	474127	UF0200E0	NOK	5121	UH0214E0	NOK	4250
UA0160E	NOK	6638S	UD0172E0	NOK	62X85X8!	UF0213E	NOK	4148	UH0226E0	NOK	38X55X7!
UA0160E0	NOK	6638S	UD0173E	NOK	8695S	UF0213E	NOK	471424!	UH0238F	NOK	713750
UA0220E	NOK	311189	UD0173E0	NOK	8695S	UF0213E0	NOK	4148	UH0238F0	NOK	713750
UA0220E0	NOK	311189	UD0241E	NOK	331107N	UF0213E0	NOK	471424!	UH0241E	NOK	472341!
UA0504E	NOK	416500	UD0241E0	NOK	331107N	UF0215E	NOK	442380	UH0241E0	NOK	472341!
UA0504E0	NOK	416500	UD0451E	NOK	9449	UF0215E0	NOK	442380	UH0246E	NOK	2146
UA0509E	NOK	2674	UD0451E0	NOK	9449	UF0216E	NOK	6954S	UH0278F0	NOK	9845
UA0509E0	NOK	2674	UD0453E	NOK	7044NA	UF0216E0	NOK	6954S	UH0287F0	NOK	3698
UA0512E	NOK	417484!	UD0453E0	NOK	7044NA	UF0217E	NOK	473317	UH0327E	NOK	477163N
UA0512E0	NOK	417484!	UD0507E	NOK	3893V!	UF0217E0	NOK	473317	UH0335E	NOK	473452
UA5087 TW-DI		415104H=	UD0507E	NOK	415379!	UF0219E	NOK	3087	UH0335E0	NOK	473452
UB0017E0	NOK	471231!	UD0507E0	NOK	3893V!	UF0219E0	NOK	3087	UH0335F0	NOK	714675
UB0040E0	NOK	450040	UD0507E0	NOK	415379!	UF0225E	NOK	8871	UH0336F	NOK	95X115X13
UB0065E0	NOK	100495	UD0508E	NOK	3385	UF0225E0	NOK	8871	UH0336F0	NOK	95X115X12

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
UH0336G	NOK	4359V	UW0134E	NOK	473237	V14655	CASE	470605!	VN3657	LETN	J1136
UH0336G0	NOK	4359V	UW0134E0	NOK	473237	V14656	CASE	330385!	VP2099	LETN	J1106
UH0337E0	NOK	3638*	UW0134F	NOK	473237	V14657	CASE	472560N!	VP2099	WABCO	J1106
UH0341E0	NOK	3173	UW0179F	NOK	4141	V14661	CASE	323138!	VP223	F-R-H	470530!
UH0341E0	NOK	710928	UW0179F0	NOK	4141	V224	CASE	472070	VP224	F-R-H	415027!
UH0351E	NOK	3655	UW0180E	NOK	710063	V2520	IRON	473444	VP224	F-R-H	415027
UH0351E0	NOK	3655	UW0180E0	NOK	710063	V3187	WAGNR	416654!	VP5012	WABCO	416624!
UH0389E0	NOK	4810V!	UW0180F	NOK	4143	V3188	WAGNR	415995!	VS3920	WABCO	415263
UH0390E	NOK	712000	UW0180G0	NOK	4143	V3202	WAGNR	415027	VT1020	MINNM	471763
UH0390F	NOK	712000	UW0194E	NOK	472572	V3202	WAGNR	415027!	VT204	MINNM	340413
UH0394F0	NOK	710101	UW0194E0	NOK	472572	V3270	WAGNR	416271!	VT2090	CASE	472179
UH0394G0	NOK	710101	UW0910E	NOK	4333N	V3312	WAGNR	418028	VT2095	CASE	470898
UH0395F0	NOK	710105	UW0914E	NOK	472572	V3312	WAGNR	455137!	VT2115	CASE	473426
UH0397G0	NOK	473454	UZ-0516-F	NOK	710441	V3321	WAGNR	415991	VT2233	CASE	472287!
UH0403F0	NOK	320259	UZ0206E	NOK	4561V	V3321	WAGNR	455146!	VT2316	CASE	450803
UH0404E0	NOK	35X50X8!	UZ0206E0	NOK	4561V	V3322	WAGNR	415449!	VT2817	CASE	471689!
UH0424E0	NOK	714503	UZ0207E0	NOK	4562V	V3324	WAGNR	417343!	VT2905	CASE	471442!
UH0424F	NOK	714503	UZ0207F0	NOK	4562V	V3471	WAGNR	417082	VT3249	CASE	412473!
UH0424F0	NOK	714503	UZ0212E	NOK	416404!	V410537SS	SPG	5711	VT3373	CASE	473467
UH0490E	NOK	3214	UZ0212E0	NOK	9864S	V414072SC	SPG	226285	VT3401	CASE	471765!
UH0490E0	NOK	3214	UZ0249E	NOK	5313	V414072SC	SPG	62X85X8!	VT3460	CASE	415458!
UH0492E	NOK	331228H	UZ0249E0	NOK	5313	V4249CA1	SPG	4249	VT3465	CASE	472636!
UH0492E0	NOK	331228H	UZ0258E1	NOK	5210	V4258S	SPG	710425	VT3502	CASE	415458!
UH0493E	NOK	472070	UZ0261E0	NOK	4564V	V4259SS	SPG	710562	VT3520	CASE	473215!
UH0493E0	NOK	472070	UZ0263E0	NOK	415082	V4348X	WHITE	415449!	VT3525	CASE	471466!
UH0494E	NOK	3604	UZ0264E0	NOK	415995	V454073SS	SPG	225875	VT3555	CASE	472287!
UH0494E0	NOK	3604	UZ0265E0	NOK	100494	V454073SS	SPG	58X75X11!	VT3688	CASE	471224!
UH0543E	NOK	4370N	UZ0265E0	NOK	476470	V457997SS	SPG	457997	VT3756	CASE	471192
UH0549E0	NOK	42X62X8!	UZ0266E0	NOK	417484	V458009VG	SPG	458009V	VT3757	CASE	471192
UH0550E0	NOK	1966	UZ0266E0	NOK	4874N	V4665	IRON	473367!	VT4443	CASE	471766!
UH0630E0	NOK	40375	UZ0290F0	NOK	4544V	V4665	IRON	473367	VT4447	CASE	473367
UH0728F0	NOK	9845	UZ0301E	NOK	370036A	V474096SC	SPG	225110	VT4447	CASE	473367!
UH0757E0	NOK	4307V!	UZ0301E	NOK	370349A	V474096SC	SPG	51X65X7!	VT4896	CASE	471466!
UH0766E	NOK	115X135X15!	UZ0301E0	NOK	370036A	V474097SC	SPG	223605	VT4897	CASE	471267!
UH0766E0	NOK	710258	UZ0301E0	NOK	370349A	V474097SC	SPG	36X50X7!	VT4903	CASE	471529
UH0773F	NOK	110X130X12	UZ0302E	NOK	370065A	V481100VD	NATL	471652	VT4928	CASE	471539!
UH0773F0	NOK	2261	UZ0302E0	NOK	370065A	V4812A23	WAGNR	415263	VT4933	CASE	471633!
UH0789E0	NOK	710211	UZ0303E	NOK	386025A	V4815A15	WAGNR	6886S	VT4992	CASE	471341!
UH0816E	NOK	228410	UZ0303E	NOK	416158	V484063SS	SPG	223535	VT7116	FUNK	472572!
UH0816E0	NOK	228410	UZ0303E0	NOK	386025A	V495782BG	SPG	495782	VT7139	FUNK	472164!
UH0819E1	NOK	2377	UZ0303E0	NOK	416158	V4990BG	SPG	4990	VT815	MINNM	470712!
UH0841E0	NOK	710261	UZ0305E	NOK	370001A	V5459	IRON	412920!	VT901	MINNM	472015!
UH0910E	NOK	4333N	UZ0305E0	NOK	370001A	V6043	MINNM	473231	VX1322	COTTA	J1103
UH0951E	NOK	710046	UZ0306E	NOK	370023A	V657S	CASE	471224	VXS80	COC	471224!
UH0951E0	NOK	710046	UZ0306E	NOK	5667	V8020698	WHITE	370003A	VY2163	LETN	416282
UH5005E	NOK	710451	UZ0307E	NOK	370021A	V93HF-6701-AA	FORD	712100	VY67161	WABCO	417238
UH528E0	NOK	50199S!	UZ0307E0	NOK	370021A	VA18291	WABCO	415124	VZ2731	WABCO	412725
UH528E0	NOK	6863S!	UZ0308E	NOK	370005A	VC2044	WABCO	455472=	VZ3178	WABCO	710040
UHO351E0	NOK	35X52X8!	UZ0308E0	NOK	370005A	VC93086	WABCO	416888=	VZ4044	WABCO	710027
UJ107	C-R	MD1000	UZ0466E	NOK	4503N	VC9667	LETN	415995!	VZ4339	WABCO	710030
UJ51	UNIVE	473227	UZ0466E0	NOK	472572	VC985	LETN	415227=	VZ51501	WABCO	417344
UJ75	UNIVE	471692!	UZ0466F	NOK	4503N	VD12473	WABCO	416865	VZ53021	WABCO	415035
UP0079E0	NOK	472705!	UZ0510E	NOK	6612S	VH425	IRON	472287!	W026901	HERCU	J1127
UP0119E	NOK	471224!	UZ0510E0	NOK	6612S	VH430	IRON	473458!	W03HH101	SPICE	370001A
UP0119E0	NOK	471224!	V1004	HUGKE	473240!	VH5111	WABCO	415072	W03HH101	SPICE	380001A
UP0811E	NOK	222630	V1034	HUGKE	415088	VH599	IRON	470950!	W087601	HERCU	473214!
US95133	C-P	240385	V1034	HUGKE	415088!	VH599	IRON	6241S	W089401	HERCU	473464
USN14	ATHEY	474253!	V1055	HUGKE	40337S	VJ964	NORDG	40085S	W093801	HERCU	J1128
UT309	MINNM	473236!	V1064	HUGKE	413246	VL1245	LETN	415234!	W097801	HERCU	J1134
UT309	WHITE	473236!	V127016	RACIN	481537	VL22673	WABCO	471341!	W10-149	W-PTS	223035
UT374	MINNM	417621!	V12701C	RACIN	471466!	VL2570	LETN	455556	W10-653	W-PTS	3476
UT374	WHITE	417171!	V12701E	RACIN	450188	VL25702	WABCO	455556	W10-657	W-PTS	1110
UT459	MINNM	415027	V12701F	RACIN	471442!	VL2588	LETN	413247!	W10-659	W-PTS	224025
UT459	MINNM	415027!	V12701S	RACIN	471224!	VL2621	LETN	417353!	W10-664	W-PTS	3771
UT459A	MINNM	415437	V12701U	RACIN	471341!	VL2986	LETN	416364!	W10-665	W-PTS	473237!
UT459A	WHITE	415437	V12701V	RACIN	473231!	VL6062	WABCO	417020	W10-669	W-PTS	473237!
UW-0454-E	NOK	710402	V12701X	RACIN	450188	VL8656	WABCO	472636!	W10-703	W-PTS	228010
UW-0454-E0	NOK	710402	V12701Z	RACIN	472164!	VM1154	OLIVE	471766!	W10-704	W-PTS	716102
UW-0561-E0	NOK	710389	V13924	CASE	413310=	VM1585	OLIVE	417191	W10-708	W-PTS	228010
UW-0895-E	NOK	710403	V14651	CASE	473224!	VM1585	OLIVE	456585	W10-711	W-PTS	226480
UW0103E	NOK	712937	V14653	CASE	471224	VM440	OLIVE	412473!	W10-714	W-PTS	1873
UW0103E0	NOK	712937	V14654	CASE	455134!	VM671	OLIVE	473228	W10-718	W-PTS	227410

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W10-719	W-PTS	716102	W72-092	W-PTS	473677	W72-262	W-PTS	1906	W72203	W-PTS	224820
W10-900	W-PTS	716102	W72-094	W-PTS	4099	W72-263	W-PTS	1986	W72203	W-PTS	48X62X8!
W10098S	CASE	415001!	W72-095	W-PTS	239201	W72-264	W-PTS	444116	W72204	W-PTS	224270
W10150	W-PTS	227040	W72-096	W-PTS	224220	W72-269	W-PTS	474134	W72204	W-PTS	42X72X10!
W10150	W-PTS	70X90X10!	W72-098	W-PTS	224210	W72-270	WMG	1209	W72207	W-PTS	1953
W10154	W-PTS	226020	W72-107	W-PTS	1217	W72-272	W-PTS	35X47X7	W72207	W-PTS	42X60X7!
W10154	W-PTS	60X80X8!	W72-109	W-PTS	1967	W72-273	W-PTS	1884	W72212	W-PTS	1955
W10154S	CASE	450275	W72-110	W-PTS	1209	W72-274	W-PTS	48X62X8!	W72212	W-PTS	52X65X9!
W10439S	CASE	6575S	W72-113	W-PTS	1195	W72-278	W-PTS	3395!	W72214	W-PTS	1213N
W10642S	CASE	473228	W72-114	W-PTS	1165	W72-280	W-PTS	480630!	W72216	W-PTS	1994
W10650	W-PTS	223840	W72-121	W-PTS	223535	W72-281	W-PTS	223535	W72216	W-PTS	48X70X9!
W10650	W-PTS	38X58X8!	W72-122	W-PTS	223535	W72-283	W-PTS	1906	W72223	W-PTS	1012
W10652	W-PTS	224560	W72-124	W-PTS	472213	W72-284	W-PTS	225650	W72223	W-PTS	1012N
W10652	W-PTS	45X68X7!	W72-126	W-PTS	223014	W72-285	W-PTS	225540	W72223	W-PTS	45X62X8!
W10655	W-PTS	1994	W72-129	W-PTS	1906	W72-286	W-PTS	482126	W72226	W-PTS	225020
W10655	W-PTS	48X70X9!	W72-145	W-PTS	1985	W72-287	W-PTS	224015	W72226	W-PTS	50X68X8!
W10661	W-PTS	224520	W72-147	W-PTS	473241	W72-291	W-PTS	5696	W72228	W-PTS	224520
W10661	W-PTS	45X60X10!	W72-148	W-PTS	473234!	W72-293	W-PTS	1937	W72228	W-PTS	45X60X10!
W10662	W-PTS	225020	W72-149	W-PTS	471192	W72-294	W-PTS	224772	W72229	W-PTS	224835
W10662	W-PTS	50X68X8!	W72-150	W-PTS	472164!	W72-296	W-PTS	226020	W72229	W-PTS	48X68X10!
W10663	W-PTS	223830	W72-152	W-PTS	1110	W72-297	W-PTS	239129	W72231	W-PTS	1181
W10663	W-PTS	38X55X7!	W72-155	W-PTS	471224!	W72091	W-PTS	1216	W72231	W-PTS	41X56X7!
W10668	W-PTS	1994	W72-156	W-PTS	471224!	W72091	W-PTS	1216N	W72232	W-PTS	223542
W10668	W-PTS	48X70X9!	W72-164	W-PTS	482126	W72103	W-PTS	1012	W72232	W-PTS	35X55X11!
W10709	W-PTS	2001	W72-165	W-PTS	473238!	W72103	W-PTS	1012N	W72234	W-PTS	1174
W10709	W-PTS	60X82X12!	W72-177	W-PTS	224015	W72104	W-PTS	1012	W72234	W-PTS	38X52X8.5!
W1103	HU-WR	470530!	W72-179	W-PTS	1960	W72104	W-PTS	1012N	W72239	W-PTS	225420
W1169	HU-WR	472016	W72-181	W-PTS	41X55X7!	W72106	W-PTS	224045	W72239	W-PTS	54X72X10!
W117701	HERCU	471570!	W72-182	W-PTS	1959	W72106	W-PTS	40X62X12!	W72240	W-PTS	225230
W118001	HERCU	472164!	W72-183	W-PTS	1960	W72112	W-PTS	1174	W72240	W-PTS	52X72X8!
W1260	WOOL	415088!	W72-185	W-PTS	1956	W72112	W-PTS	38X52X8.5!	W72241	W-PTS	1012
W1260	WOOL	415088!	W72-188	W-PTS	1188	W72116	W-PTS	1969	W72241	W-PTS	1012N
W126011035	WOOL	415088!	W72-190	W-PTS	1183	W72116	W-PTS	48X63X9!	W72241	WMG	1012
W126011035	WOOL	415088!	W72-192	W-PTS	1977	W72117	W-PTS	1208	W72241	WMG	1012N
W136301	HERCU	J1103	W72-200	W-PTS	1950	W72117	W-PTS	48X72X7!	W72253	W-PTS	225005
W137701	HERCU	J1107	W72-201	W-PTS	1962	W72123	W-PTS	2000	W72253	W-PTS	50X62X7!
W139701	HERCU	J1123	W72-206	W-PTS	1974	W72123	W-PTS	224235	W72255	W-PTS	226285
W140001	HERCU	416294 =	W72-208	W-PTS	1952	W72123	W-PTS	42X58X7!	W72255	W-PTS	62X85X8!
W15475	CASE	410825	W72-210	W-PTS	1192	W72131	W-PTS	1012	W72260	W-PTS	225110
W1581	WOOL	473227	W72-211	W-PTS	1196	W72131	W-PTS	1012N	W72260	W-PTS	51X65X7!
W158111035	C-W	473227	W72-213	W-PTS	473823	W72132	W-PTS	224045	W72265	W-PTS	225110
W158111035	WOOL	473227	W72-217	W-PTS	473812	W72132	W-PTS	40X62X12!	W72265	W-PTS	51X65X7!
W176511035	WOOL	415047	W72-218	W-PTS	1999	W72136	W-PTS	1174	W72266	W-PTS	223605
W182401	HERCU	471781N =	W72-219	W-PTS	473179!	W72136	W-PTS	38X52X8.5!	W72266	W-PTS	36X50X7!
W208K2E9003	FAFNI	200110	W72-220	W-PTS	1949	W72137	W-PTS	1187	W72267	W-PTS	224820
W23838	JOHND	472535	W72-221	W-PTS	1984	W72137	W-PTS	47X68X10!	W72267	W-PTS	48X62X8!
W320678BX	SPG	225650	W72-222	W-PTS	1992	W72140	W-PTS	1180	W72268	W-PTS	55X82X12!
W370025BX	SPG	416158	W72-224	W-PTS	1996	W72140	W-PTS	41X55X7!	W72270	W-PTS	225010
W45-111	W-PTS	222242	W72-227	W-PTS	1959	W72141	W-PTS	224045	W72270	W-PTS	50X65X8!
W45-117	W-PTS	3051N	W72-228	WMG	224520	W72141	W-PTS	40X62X12!	W72275	W-PTS	1012
W45-143	W-PTS	222242	W72-230	W-PTS	48X68X10!	W72144	W-PTS	1213N	W72275	W-PTS	1012N
W45116	W-PTS	223010	W72-235	W-PTS	473238!	W72146	W-PTS	224820	W72279	W-PTS	1012
W45116	W-PTS	30X42X7!	W72-236	W-PTS	482126	W72146	W-PTS	48X62X8!	W72279	W-PTS	1012N
W4558VDR	SPG	4795V	W72-237	W-PTS	482126	W72161	W-PTS	224045	W72279	W-PTS	45X62X8!
W4A5538	ONAN	470334!	W72-238	W-PTS	473238!	W72161	W-PTS	40X62X12!	W72282	W-PTS	224255
W518	C-W	415379!	W72-242	W-PTS	2002	W72166	W-PTS	471192	W72282	W-PTS	42X65X10!
W518	C-W	415379	W72-243	W-PTS	1992	W72173	W-PTS	1181	W72288	W-PTS	224820
W518	WOOL	415379	W72-244	W-PTS	1952	W72173	W-PTS	41X56X7!	W72288	W-PTS	48X62X8!
W518	WOOL	415379!	W72-244	WMG	1952	W72178	W-PTS	224820	W72290	W-PTS	225110
W51811035	WOOL	415379	W72-245	W-PTS	334111	W72178	W-PTS	48X62X8!	W72290	W-PTS	51X65X7!
W51811035	WOOL	415379!	W72-247	W-PTS	473367	W72184	W-PTS	1955	W72290	W-PTS	5695
W531	WOOL	415234!	W72-248	W-PTS	494117	W72184	W-PTS	52X65X9!	W72292	W-PTS	223840
W53111035	WOOL	415234!	W72-249	W-PTS	473367!	W72186	W-PTS	223542	W72292	W-PTS	38X58X8!
W563	EATON	HU009A	W72-249	WMG	473367	W72186	W-PTS	35X55X11!	W72298	W-PTS	225010
W72-075	W-PTS	224210	W72-250	W-PTS	494122	W72187	W-PTS	224045	W72298	W-PTS	50X65X8!
W72-076	W-PTS	226285	W72-251	W-PTS	1939	W72187	W-PTS	40X62X12!	W72299	W-PTS	710097
W72-077	W-PTS	52X72X8!	W72-254	W-PTS	224015	W72189	W-PTS	1174	W794	NORDG	473444
W72-078	W-PTS	1948	W72-256	W-PTS	1943	W72189	W-PTS	38X52X8.5!	W853	WOOL	412920!
W72-081	W-PTS	1939	W72-257	W-PTS	1128	W72199	W-PTS	1180	W85311035	WOOL	412920!
W72-082	W-PTS	1174	W72-258	W-PTS	2003N!	W72199	W-PTS	41X55X7!	W86611035	WOOL	470334!
W72-084	W-PTS	225650	W72-259	W-PTS	3677	W72202	W-PTS	1973	W873	HU-WR	472185!
W72-089	W-PTS	225650	W72-261	W-PTS	413818	W72202	W-PTS	48X65X10!	W874	HU-WR	412119!

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W950	NORDG	411245!	WR11064	GW	417541	X12433	BRAD	472164!	X262339	US-EL	415034!
W963	NORDG	40085S	WR11141	GW	473245!	X125514	LEROI	480630!	X2671	COC	472560N!
W966	WOOL	470334!	WR11582	GW	474281!	X13176	PARGN	472258	X2672	COC	471820
WA25030	WABCO	472572!	WR14310	GW	416888!	X13177	PARGN	415449=	X2711	KOHL	330385!
WA3387	WABCO	416339	WR15090	GW	472924!	X1318939	GMC	472164!	X27110	KOHL	471646!
WA5900	WABCO	417433	WR16607	GW	417538	X1334284	GMC	472179	X27113	KOHL	474276!
WA5908	WABCO	416345!	WR254	CEW	224045	X13444	BOSTN	350909	X27114	KOHL	472572!
WA5908	WABCO	455033	WR254	CEW	40X62X12!	X13444	BOSTN	471224!	X27116	KOHL	240215
WA5954	WABCO	5751	WR309	CEW	224235	X1380974	GMC	473179!	X27117	KOHL	340815
WA5955	WABCO	450084!	WR309	CEW	42X58X7!	X13C207	CONTI	471466!	X27118	KOHL	471341!
WA5969	WABCO	472164!	WR398	CEW	1174	X13T-2A	IG-RA	472397!	X2712	KOHL	472287!
WA5989	WABCO	450375!	WR398	CEW	38X52X8.5!	X13T296	IG-RA	450593!	X27124	KOHL	450065
WA5989	WABCO	6936S!	WR546	CEW	228010	X14231	BRAD	471466!	X2713	KOHL	470088
WA5989	WABCO	9845	WR9046	GW	417211!	X143620	FORD	482253	X2714	KOHL	471466!
WA7052	FORD	410059	WR9255	GW	417355!	X143621	FORD	474255	X2716	KOHL	471567!
WA7052	FORD	470380!	WR9839	GW	415196!	X143626	FORD	472012	X2719	KOHL	450398
WAA4676	FORD	6930	WRF1115	AU-WS	5965	X1507	CONTI	471137	X2719	KOHL	471267!
WAA4676B	FORD	6930	WRF1115A	B-L-H	5965	X1512	CONTI	450269	X275	CUSH	471643!
WAA7052A	FORD	410059	WRF1115A	CLARK	5965	X1518	CONTI	473467!	X28	GEHL	472015!
WAA7052A	FORD	470380!	WS238A32	FORD	471652	X1519	CONTI	450446	X28473	FMC	5865
WAA7052A1	FORD	410059	WS238A32	FORD	482208!	X152	ULRIC	472015!	X285525	US-EL	47181!
WAA7052A1	FORD	470380!	WVR23	DEVIL	471538!	X1520	CONTI	408	X28A2122	DALMO	240716
WAT4676A	FORD	6930	WX13136	ALLCH	40370S	X1527	CONTI	412119	X3010	FUNK	472029
WAT4676A3	FORD	6930	WX916	GMC	240385	X15299A	CASE	450984	X301SP799	CLARK	415138!
WAT4676B	FORD	7044NA	WY31912-105	LK-BT	472016	X153	ULRIC	473367!	X32142	FMC	415984!
WAT4676B1	FORD	7044NA	WY31912-109	LK-BT	473245!	X153	ULRIC	473367	X332433102	BOSTN	473010!
WAT4676B2	FORD	7044NA	WY31912-129	LK-BT	415449!	X1553	CONTI	474272!	X332672	WHITE	473367!
WD756	MINNM	474272	WY31912-145	LK-BT	417316!	X1555	CONTI	473467!	X351A	CHERY	41967!
WF01152	RACIN	471442!	WY31912-25	LK-BT	471570!	X1607024	GMC	8871	X352A	CHERY	416107!
WF01164	RACIN	471472!	WY31912-41	LK-BT	476838!	X169759	US-EL	471076	X352A	CHERY	455073
WF0124	RACIN	473226	WY31912-49	LK-BT	471766!	X170185	FORD	471224	X353986	US-EL	200642
WF0145	RACIN	471554!	WY31912-81	LK-BT	472185!	X17036	AMC	473367!	X363	HOUGH	455019!
WF0170	RACIN	474278	WY319121	LK-BT	50199S!	X17036	AMC	473367	X377	HOUGH	472144!
WFD124	RACIN	473226	WY319121	LK-BT	6863S!	X17604	US-EL	450039	X3796	KOHL	470380!
WIR361	ROCKW	JV1113=	WY3191257	LK-BT	471192	X176888	US-EL	471272!	X3799	KOHL	3120N=
WIR381	ROCKW	JX1990=	WZ2731	WABCO	412725	X178187	GMC	240119	X38444A	BOSTN	450593!
WIR441	ROCKW	J1119	X-13-T536	IG-RA	470774!	X17909	GMC	471554!	X407279	WHITE	415007
WIR462	ROCKW	100495	X-301-SL799	B-L-H	472492!	X179175	CUMMI	J1134	X407346	WHITE	410308!
WIR462	ROCKW	5601	X-301-SN799	B-L-H	470380!	X17937A	VICK	340823	X407363	WHITE	410694!
WIR521	ROCKW	JV1112=	X-301-SP799	B-L-H	415138!	X20264143	REX	472397!	X407776	WHITE	474279N
WJ318	F-R-H	417211!	X-602-23715	REX	470950!	X202648143	REX	472397!	X413644	WHITE	55155=
WJ495	F-R-H	455584	X-602-23715	REX	6241S	X203536	REX	473232	X419339	WHITE	417556
WJ618	F-R-H	417211!	X-A445FHA	CASE	472560N!	X20385941	REX	472394	X420538	WHITE	415645!
WK116757	ALLCH	415458!	X0120L200	CONTI	450446	X20433	BOSTN	340771	X420538	WHITE	455104
WKM85641	ALLCH	330385!	X0120L210	CONTI	415389	X20779	FORD	2443	X425651	WHITE	412119
WO-10	ATP	4539H	X0373170	IH	415962	X211111	US-EL	450400	X425746	WHITE	473010!
WO-9	ATP	3622	X0E9	WHITE	473454	X212176	US-EL	415302	X425747	WHITE	472185!
WO100	EGDYN	35094	X1015992	DURA	473313!	X21230	GMC	418028	X425748	WHITE	417316!
WO25598	SKF	25598	X10693	REX	455008	X21230	GMC	455137!	X430339	WHITE	416153!
WO8278	ROL	35316	X10736	AMC	473367!	X21238	GMC	415937!	X43482A	VICK	471192
WO8285	ROL	35292	X10736	AMC	473367	X220073	US-EL	415991	X445016	WHITE	340823
WO8292	ROL	35315	X108	ULRIC	410694!	X220073	US-EL	415991!	X448	HOUGH	417596
WO8307	ROL	427	X109444A	BOSTN	471255!	X220074	US-EL	416380!	X452064	WHITE	480630
WO8307	ROL	427RR	X10955	BRAD	470380!	X220734	FORD	471763	X46248	GMC	471763
WO8318	ROL	35410	X11144	PARGN	473446	X220903	US-EL	473016!	X46249	GMC	412473!
WO8321	ROL	35402	X115	HOUGH	472394	X221327	US-EL	471821!	X4788	COC	204035
WO8327	ROL	35394	X11518	PARGN	416664!	X221444	BOSTN	471549!	X49063	COC	50514
WO8338	ROL	35094	X1160122	ALLCH	416135!	X221444	BOSTN	472467	X495045	WHITE	470004!
WO8343	ROL	35524	X1160216	ALLCH	416556!	X22270	ALLCH	472636!	X500117401	WHITE	415185H=
WO8348	ROL	35486	X1160216	ALLCH	472157	X223770	US-EL	416288!	X50058	GMC	350156
WO8383	ROL	35524	X1160246	ALLCH	415137!	X225818	US-EL	415988	X50058	GMC	473096
WO8395	ROL	35526	X1160246	ALLCH	418028	X22658	MYERS	455280	X50734	BENDI	340771
WO8396	ROL	35361	X1160303	ALLCH	470954!	X22793	ALLCH	471689!	X50743	BENDI	240319
WO8402	ROL	35531	X1162562	ALLCH	472164!	X22949	ALLCH	472179	X50799	ALLCH	416364!
WO8404	ROL	25598	X1162682	ALLCH	472572!	X22950	ALLCH	471138!	X508175	US-EL	473445
WO93801	HERCU	J1128	X1162694	ALLCH	472397!	X230926	US-EL	415449!	X514308	US-EL	472164!
WO97801	HERCU	J1134	X1162717	FUNK	416154!	X231444101	BOSTN	471684!	X52089	BENDI	472560N!
WP035	EGDYN	35224	X11791	PARGN	473224!	X232829	US-EL	417171!	X52167	BENDI	471267!
WP153151	ALLCH	414268=	X118	ULRIC	472185!	X236	HOUGH	450275	X5229	JOHND	472287!
WP17733	ALLCH	473228!	X11872	BRAD	473231!	X237	HOUGH	470950!	X52444A	BOSTN	471750!
WP9493	ROL	35418	X12127	PARGN	473010!	X237	HOUGH	6241S	X53616	GMC	413246
WR11063	GW	415995!	X1220	IG-RA	476470	X25215	IH	416865!	X5393	CONTI	472492!

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
X5397	CONTI	411245!	X6811	REX	417621!	XA15678	CASE
X5414	HU-WR	470954	X6872	REX	472016	XA15683	CASE
X5415	BU-SP	240385	X6879	REX	473229	XA15684	CASE
X545	CASE	471466!	X6931	REX	417492	XA15692	CASE
X549	CASE	471442!	X6995	REX	473234	XA157228	CASE
X551469	US-EL	472144!	X708819	AVCO	451143	XA15769	CASE
X55311	GMC	474276!	X7100	REX	472144!	XA15821	CASE
X556927	US-EL	415259!	X7117	REX	456105	XA158371	CASE
X558070	US-EL	472179	X72202A	VICK	240385	XA16138	CASE
X560324	US-EL	450457	X72203A	VICK	240027=	XA17037	CASE
X563000	US-EL	471766!	X729120	US-EL	471391!	XA17416	CASE
X565043	US-EL	450275	X730082	US-EL	470605!	XA18156	CASE
X569684	US-EL	472185!	X730093	US-EL	470898	XA18547	CASE
X5704	REX	415960!	X730624	US-EL	417433!	XA18793	CASE
X5705	REX	472012	X730625	US-EL	415483	XA18799	CASE
X573769	US-EL	472323	X73083	US-EL	450400	XA18809	CASE
X5764	REX	415995!	X7517	REX	471689!	XA19064	CASE
X5833	KOHL	471413!	X7564	REX	417546!	XA19644	GMC
X583335	US-EL	473232!	X7610	REX	455249!	XA20732	CASE
X5834	KOHL	473215!	X7723	REX	205035	XA20964	CASE
X5964	REX	472015!	X7810	CONTI	473467!	XA21243	CASE
X602	REX	470950!	X7812	CONTI	474272!	XA21672	CASE
X602	REX	6241S	X7852	REX	417191	XA21672	CASE
X6082	PETTI	473245!	X7852	REX	456585	XA21673	CASE
X6114	REX	415035	X7874	REX	40067S=	XA21673	CASE
X6114	REX	415035!	X78970	US-EL	471267!	XA23602	CASE
X6115	REX	476470	X7903	REX	472439	XA24140	CASE
X61397	US-EL	412943	X8006	REX	450467	XA24142	CASE
X6160	REX	417357	X8057	REX	412871!	XA24683	GMC
X6160	REX	455192!	X8089	REX	472179	XA249A	BR-WN
X6176	REX	413469!	X82025	US-EL	450039	XA26033	CASE
X61794	US-EL	471648	X8208	REX	415254	XA26425	CASE
X6205	REX	473457!	X8209	REX	474256	XA29463	CASE
X6209	REX	471689!	X8210	REX	472924!	XA31465	CASE
X6221	REX	470059	X84534	US-EL	415302	XA40865	CASE
X6221	REX	470380!	X84570	DALMO	450457	XA41888	CASE
X628809	WHITE	471737	X84570	US-EL	450457	XA43515	CASE
X6294	REX	415371	X84571	US-EL	472164!	XA43515	CASE
X630	REX	472924!	X84573	US-EL	472179	XA43517	CASE
X6329	REX	415937!	X89048	US-EL	471821!	XA43518	CASE
X6335	REX	480210!	X89204	US-EL	471192	XA43816	CASE
X6336	REX	471224!	X8948	KEWNE	204027	XA43817	CASE
X6349	REX	416107!	X8C1190	FORD	472179	XA45392	CASE
X6349	REX	455073	X8N4233	FORD	471868	XA5089129	IH
X6353	REX	411245!	X9102126	CHRYSL	1198	XA5539159	IH
X6363	REX	416654!	X96863	GMC	3893V!	XA5539278	IH
X6364	REX	473214!	X96863	GMC	415379=	XA5580144	IH
X637	REX	473211!	X96863	GMC	415379!	XA558092	IH
X638090	WHITE	472258	X97421	VICK	482126	XA558092	IH
X6382	REX	416153!	XA077029AA	JOHND	417484!	XA597	AU-LI
X6387	REX	473243	XA1024	PREST	471554!	XA652	AU-LI
X6389	REX	473225!	XA1104	PREST	471354!	XA654	AU-LI
X6392	REX	411394!	XA11248	CASE	417316!	XA654436	US-EL
X64030	SPICE	471442!	XA11339	CASE	410308!	XA694	AU-LI
X6486A	VICK	418028	XA11747	CASE	473226	XA710	AU-LI
X6486A	VICK	455137!	XA1176	OLIVE	416271!	XA717	AU-LI
X650638	US-EL	473459	XA12384	GMC	471442!	XA721	AU-LI
X650841	US-EL	471570!	XA12523	CASE	415035!	XA74217	CASE
X654335	US-EL	471424!	XA12523	CASE	415035	XA7667A135	LEECE
X6549	REX	412119!	XA129585	CASE	416267!	XA78731	ALLCH
X658057	US-EL	481397	XA130146	CASE	415027	XA813	AU-LI
X6586	REX	474274	XA132694	CASE	417509	XA876	AU-LI
X658621	IH	416130!	XA13379	HWY	417494	XA91793	CASE
X65862231	IH	412943	XA13640	CASE	473475	XA91831	CASE
X658623	IH	472164!	XA138225	CASE	413470!	XA92050	CASE
X661762	US-EL	471570!	XA14848	CASE	415138!	XA92072	CASE
X662697	EL-MO	471821!	XA1487	PREST	240470	XA98870	CASE
X662697	US-EL	471821!	XA152753	GMC	350909	XA99254	CASE
X664295	US-EL	473244!	XA152753	GMC	471224!	XAA13269	JOHND
X665395	US-EL	416267!	XA153325	CASE	416404!	XAA13269A	JOHND
X6744	REX	416167!	XA154253	CASE	471424!	XAA15602	JOHND
X6767	REX	415001!	XA156617	CASE	471272!	XAA15602	JOHND
XAA17322	JOHND	470898	XA15678	CASE	471835!	XAA17322	JOHND
XAA18248	JOHND	472560N!	XA15683	CASE	473227	XAA18248	JOHND
XAA19918	JOHND	471554!	XA15684	CASE	472179	XAA19918	JOHND
XAA20808	FORD	2503	XA15692	CASE	47181!	XAA20808	FORD
XAA20808	FORD	2503N	XA157228	CASE	476808=	XAA20808	FORD
XAA21065	FORD	2551	XA15769	CASE	415379	XAA21065	FORD
XAA21693	JOHND	471271!	XA15821	CASE	472164!	XAA21693	JOHND
XAA22407	JOHND	415035!	XA158371	CASE	471424!	XAA22407	JOHND
XAA22407	JOHND	415035	XA16138	CASE	471341!	XAA22407	JOHND
XAA2375	JOHND	470954!	XA17037	CASE	455566	XAA2375	JOHND
XAA2973	FORD	471652	XA17416	CASE	415458!	XAA2973	FORD
XAA33187	JOHND	474276!	XA18156	CASE	456105	XAA33187	JOHND
XAA743	FORD	240414	XA18547	CASE	471579	XAA743	FORD
XAA9322	FORD	472070	XA18793	CASE	42352S	XAA9322	FORD
XAB12038	JOHND	330385!	XA18799	CASE	472636!	XAB12038	JOHND
XAB22514	JOHND	410496!	XA18809	CASE	411376!	XAB22514	JOHND
XAF22204	JOHND	415035	XA19064	CASE	415449!	XAF22204	JOHND
XAF22204	JOHND	415035!	XA19644	GMC	471538!	XAF22204	JOHND
XAG10583	JOHND	472258	XA20732	CASE	415458!	XAG10583	JOHND
XAG15542	JOHND	471224!	XA20964	CASE	473197	XAG15542	JOHND
XAG15991	JOHND	480630!	XA21243	CASE	472164!	XAG15991	JOHND
XAG17458	JOHND	471442!	XA21672	CASE	418028	XAG17458	JOHND
XAG18773	JOHND	471272!	XA21672	CASE	455137!	XAG18773	JOHND
XAG18773A	JOHND	471341!	XA21673	CASE	418028	XAG18773A	JOHND
XAG18811	JOHND	323138!	XA21673	CASE	455137!	XAG18811	JOHND
XAG21328A	JOHND	474276!	XA23602	CASE	471504!	XAG21328A	JOHND
XAH91356	JOHND	473197	XA24140	CASE	415036	XAH91356	JOHND
XAK2019A	JOHND	474278	XA24142	CASE	415036	XAK2019A	JOHND
XAK2027	JOHND	471231!	XA24683	GMC	472439	XAK2027	JOHND
XAO16492	JOHND	473241	XA249A	BR-WN	471141	XAO16492	JOHND
XAO16784	JOHND	472560N!	XA26033	CASE	472015!	XAO16784	JOHND
XAO5188	JOHND	472179	XA26425	CASE	471649!	XAO5188	JOHND
XAO5258	JOHND	473227	XA29463	CASE	471271!	XAO5258	JOHND
XAO75773AA	JOHND	470898=	XA31465	CASE	415984!	XAO75773AA	JOHND
XAO77079A	JOHND	471484!	XA40865	CASE	470898	XAO77079A	JOHND
XAO77631AA	JOHND	471271!	XA41888	CASE	J1103	XAO77631AA	JOHND
XAO7991A	JOHND	471264	XA43515	CASE	415137!	XAO7991A	JOHND
XAO7991B	JOHND	471466	XA43515	CASE	418028	XAO7991B	JOHND
XAO7992A	JOHND	470954	XA43517	CASE	417499	XAO7992A	JOHND
XAR15155	JOHND	472164!	XA43518	CASE	J1125	XAR15155	JOHND
XAR28635	JOHND	340356	XA43816	CASE	413247!	XAR28635	JOHND
XAR33144	JOHND	450400	XA43817	CASE	415984!	XAR33144	JOHND
XARE110	JOHND	450474	XA45392	CASE	471413!	XARE110	JOHND
XARE3342	JOHND	470954!	XA5089129	IH	412027	XARE3342	JOHND
XARE4222	JOHND	450084!	XA5539159	IH	472924!	XARE4222	JOHND
XARE481	JOHND	417181!	XA5539278	IH	472299	XARE481	JOHND
XAW8070B	JOHND	472705!	XA5580144	IH	415449!	XAW8070B	JOHND
XAW8293A	JOHND	471442!	XA558092	IH	415379!	XAW8293A	JOHND
XAY4734	JOHND	471766!	XA558092	IH	415379	XAY4734	JOHND
XB6442	CASE	473380	XA597	AU-LI	471442!	XB6442	CASE
XB90050	COC	471192	XA652	AU-LI	471766!	XB90050	COC
XC12933	MID-R	471224!	XA654	AU-LI	351487	XC12933	MID-R
XC12962	MID-R	471224!	XA654436	US-EL	473197	XC12962	MID-R
XC135639	SCHWI	417484!	XA694	AU-LI	471762!	XC135639	SCHWI
XC138211	SCHWI	472636!	XA710	AU-LI	471224	XC138211	SCHWI
XC330598	FORD	471271!	XA717	AU-LI	471224!	XC330598	FORD
XC376	BL-KN	471466!	XA721	AU-LI	471571	XC376	BL-KN
XC96755	C-P	470774!	XA74217	CASE	416107!	XC96755	C-P
XE13250E	JOHND	471841	XA7667A135	LEECE	471633=	XE13250E	JOHND
XE17609E	JOHND	416339	XA78731	ALLCH	471271!	XE17609E	JOHND
XE177	OLIVE	472951	XA813	AU-LI	471231!	XE177	OLIVE
XE177	OLIVE	474252	XA876	AU-LI	330385!	XE177	OLIVE
XE3TW11772	FORD	8835S	XA91793	CASE	415294!	XE3TW11772	FORD
XE82354	FORD	471689!	XA91831	CASE	471442!	XE82354	FORD
XED8906	EATON	471267!	XA92050	CASE	415937!	XED8906	EATON
XER90620	EATON	470898	XA92072	CASE	473237!	XER90620	EATON
XER90654	EATON	473459	XA98870	CASE	417123=	XER90654	EATON
XER90703	EATON	471532	XA99254	CASE	415449!	XER90703	EATON
XER90724	EATON	473228	XAA13269	JOHND	471224!	XER90724	EATON
XER91444	EATON	350936	XAA13269A	JOHND	471224!	XER91444	EATON
XER9213	ALLCH	472705!	XAA15602	JOHND	450129	XER9213	ALLCH
XET95343	EATON	413246	XAA15602	JOHND	472826!	XET95343	EATON

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
XET95349	EATON	471224!	XW21807	FORD	9568	YS2004	NATSU	473242	Z1089P	EATON	415725 =
XF52-6700AA	FORD	224052	XW21911	FORD	9569S	YS2502	NATSU	415449!	Z1089R	EATON	471137
XF5Z-6700AA	FORD	224052	XW2365	CASE	240736	YS3252	ARMCO	476470	Z1089S	EATON	450593!
XFS2S	CASE	473473	XW24525	FORD	473228	YS3252	NATSU	476470	Z1089T	EATON	473367!
XG167	OLIVE	471766!	XW26444101	BOSTN	470625!	YS3340	NATSU	412473!	Z1089T	EATON	473367
XG168	OLIVE	473214!	XW26444102	BOSTN	472185!	YS3501	NATSU	415027	Z1089V	EATON	470530 =
XG2811	JOHND	473227	XW4Z6700AA	FORD	473454	YS3501	NATSU	415027!	Z1089Y	EATON	415034 =
XG328	OLIVE	471765!	XW70063A	JOHND	240735	YS4000	NATSU	415035	Z10909	GMC	455480!
XH11726	FORD	471763	XW8069	FORD	7044NA	YS4000	NATSU	415035!	Z120S201	CONTI	50199S!
XH125254	LEROI	474272	XW8454	FORD	9568	YS4255	NATSU	416149	Z120S201	CONTI	6863S!
XH139	OLIVE	472397!	XW8455	FORD	7044NA	YS4500	NATSU	416888!	Z17036B	OLIVE	40061S =
XH1530433	BOSTN	472924!	XW8456	FORD	472070	YS4501	NATSU	416892!	Z224	COC	416271!
XJ215S	CASE	472560N!	XW8582	FORD	8168 =	YS4503	NATSU	416154!	Z268	COC	415995!
XL205	OLIVE	472016	XX1634135	CATER	417171!	YS4620	NATSU	415371	Z273	COC	417621!
XL34-7052AA	FORD	223012	XY41050	JOHND	470950!	YS4751	NATSU	415138!	Z273	WHITE	417621!
XL3P-7052-AA	FORD	100189	XY41050	JOHND	6241S	YS5120	NATSU	455071N* =	Z289	COC	365008
XL484	OLIVE	471138!	Y14280	WAUKE	40185	YS5872	NATSU	455297	Z289	WHITE	365008
XL76370	NEWVR	3459	Y143218	GA-WO	417351!	YS6870	NATSU	455584	Z29154	ALLCH	415458!
XLB444	BOSTN	351028	Y14479	WAUKE	50199S!	YS6886	NATSU	472185!	Z310	COC	450869
XLD51181	MARMO	472179	Y14479	WAUKE	6863S!	YS7622	NATSU	417598	Z320	COC	473197
XM1524	CASE	471354!	Y205176	CUMMI	470898	YT156	MINNM	481864	Z320	WHITE	473197
XM336725	FORD	473234!	Y209810	CUMMI	471413!	YT330	MINNM	473215!	Z33-S443003950	FAIRB	470950!
XM507674	FORD	472299	Y324151RX	SPG	324151 =	YX133	GRAY	476838!	Z33-S443003950	FAIRB	6241S
XN300531	FORD	472492!	Y344725	IG-RA	470565!	Z10260	EATON	415023	Z33-S443015310	FAIRB	415138!
XN305440	FORD	471820	Y381653	WHITE	415995!	Z1026AC	EATON	416339	Z33-S443173945	FAIRB	470950!
XN307035	FORD	472164!	Y383784	IG-RA	415725!	Z1026AC	EATON	455031!	Z33-S443173945	FAIRB	6241S
XN307049	LEROI	472287!	Y400B-225	CONTI	470334!	Z1026AD	EATON	474273	Z403	COC	412861
XN322499	FORD	450911N!	Y400K3330	CONTI	BS1280	Z1026AF	EATON	412871!	Z414	COC	471224!
XN337312	FORD	473234!	Y4170	GRAY	471766!	Z1026AH	EATON	417262!	Z414	WHITE	471224!
XN606422	FORD	473228!	Y4323	GRAY	450398	Z1026B	EATON	471137	Z4405VX	SPG	4405V
XN608008	FORD	200642	Y4323	GRAY	471267!	Z1026BA	EATON	472157!	Z525	COC	417344!
XN609020	FORD	415027	Y5045	WAUKE	470334!	Z1026BA	EATON	472157	Z535	COC	470774!
XN609020	FORD	415027!	Y5229	JOHND	472287!	Z1026BD	EATON	473214!	Z536	COC	415458!
XN610356	FORD	455625 =	Y6569	WAUKE	472015!	Z1026C	EATON	450593!	Z540	COC	450269
XN610357	FORD	455396	Y6572	WAUKE	474265	Z1026D	EATON	476838!	Z550	WHITE	6575S
XO16817	JOHND	471341!	Y66379	WHITE	370006A	Z1026E	EATON	471750!	Z576	COC	473444
XO37818	JOHND	450188	Y714599	WHITE	417484!	Z1026F	EATON	473215!	Z599	COC	470625!
XOS175	BOSTN	476820	Y714702	WHITE	415138!	Z1026G	EATON	470059	Z599	WHITE	470625!
XOS212	BOSTN	476808 =	Y717703	WHITE	476470!	Z1026G	EATON	470380!	Z606	COC	473313
XOS400	BOSTN	476816 =	Y717703	WHITE	476470	Z1026H	EATON	473367!	Z6067	OLIVE	476838!
XP32496	FORD	331107N	Y717754	WHITE	5M497	Z1026H	EATON	473367	Z6068	OLIVE	471766!
XP34777	FORD	331107N	Y825170	WHITE	472179	Z1026I	EATON	470334!	Z6205	OLIVE	473016!
XP67266	FORD	7692S	Y827376	WHITE	412871!	Z1026J	EATON	450084!	Z6206	OLIVE	471192
XP67267	FORD	7300S	Y827377	WHITE	416921!	Z1026K	EATON	470530!	Z6572	JOHND	476838!
XP76539	FORD	473473	Y904016	EL-PA	417621!	Z1026L	EATON	415001!	Z6572H	JOHND	476838!
XPG-F4922	AU-WS	472409	Y91L202	CONTI	472924!	Z1026M	EATON	415960!	Z6573	JOHND	471750!
XPGF16067	AU-WS	415995!	YF630	F-R-H	417354!	Z1026N	EATON	415995!	Z668	COC	340724!
XR12370	CASE	473231	YL24-3N296AA	FORD	714675	Z1026O	EATON	415023	Z668	WHITE	340724!
XR3102	FORD	410059	YL2Z-4L616AA	FORD	714675	Z1026P	EATON	415025	Z6855	OLIVE	471689
XR3102	FORD	470380!	YL2Z-4L616AB	FORD	714675	Z1026Q	EATON	415027!	Z7151	JOHND	411253!
XR7221	OLIVE	J1119	YL84-7052AA	FORD	1990	Z1026Q	EATON	415027	Z7151H	JOHND	411253!
XR7221	WHITE	J1119	YL8P7H260AA	FORD	481191V	Z1026R	EATON	416345!	Z834270	EL-PA	473458!
XR737	OLIVE	340356	YL8W-7H426-AA1	FORD	3604	Z1026R	EATON	455033	Z835639	EL-PA	471750!
XS120398	CASE	416167!	YL8W-7H426-AA1	FORD	4846	Z1026S	EATON	415035!	Z902417	EL-PA	417316!
XSP8600A	CASE	470088	YL8W-7H429-AA1	FORD	471113V	Z1026T	EATON	415058	Z90343	EL-PA	472924!
XSP8714	CASE	413247!	YL8W-7H469-CA	FORD	100566	Z1026U	EATON	415351!	Z9332A	GMC	474278
XT15166	C-W	415483!	YL8Z1177AA	FORD	481191V	Z1026V	EATON	416107!	Z9342A	GMC	471466!
XT154119	C-W	416229	YS0500	NATSU	471442!	Z1026V	EATON	455073	ZNL749	DURA	473214!
XT60694	FORD	7442H	YS0750	NATSU	471554!	Z1026W	EATON	417562	ZNL750	DURA	473236!
XT67101	GMC	471692!	YS10002	NATSU	417020	Z1026X	EATON	415035	ZZMO-33-067	FORD	8312
XT7584	GMC	6936S	YS1500	NATSU	470059	Z1026X	EATON	415035!	%428454C91	IH	370003A
XU171444B	BOSTN	471224!	YS1500	NATSU	470380!	Z1089AA	EATON	417262!	00014002456	LF-PT	470898
XVP2099	LETN	J1106	YS1503	NATSU	474281!	Z1089B	EATON	473214 =	00014002695	LF-PT	415449!
XVR1035	ESSIC	415991	YS1560	NATSU	473229	Z1089C	EATON	450059V =	00014003254	LF-PT	415196!
XVR1035	ESSIC	455146!	YS1561	NATSU	473229	Z1089D	EATON	473232 =	00014012850	LF-PT	485725N
XVWSF27433	BOSTN	470954!	YS1562	NATSU	473229	Z1089E	EATON	470334 =	00029141	SPERY	474278
XW15754	FORD	9569S	YS1590	NATSU	482253	Z1089F	EATON	472439 =	0003207340	RENAU	713152
XW1652	FORD	6930	YS1753	NATSU	472185!	Z1089G	EATON	470898 =	0006116	HYST	415645!
XW19076	FORD	473228	YS1871	NATSU	473238	Z1089K	EATON	417349 =	0006570	HYST	415035
XW19835	FORD	9363S	YS1872	ARMCO	472572!	Z1089L	EATON	455566 =	0006570	HYST	415035!
XW20317	FORD	51322	YS1872	NATSU	472572!	Z1089M	EATON	455146V =	0007959	HYST	415351!
XW20318	FORD	9161	YS2000	NATSU	470530!	Z1089N	EATON	472157 =	0008329	HYST	470530!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
0008638	HYST	0031235	HYST	0044552	HYST	0059974446	MERCE
0008639	HYST	0031508	HYST	0044554	HYST	0059974446	MERCE
0008741	HYST	0031960	HYST	0044559	HYST	0059975046	MERCE
0008748	HYST	0031970	HYST	0044560	HYST	0059975046	MERCE
0009141	HYST	0031970	HYST	0044561	HYST	0059975046	MERCE
00092BGOE	SABO	0032166	HYST	0044562	HYST	0059978347	MERCE
000931634	AMC	0032205	HYST	0044563	HYST	00605.16540	ALFAR
000935612	AMC	0032875	HYST	0044565	HYST	00605165400000	ALFAR
000939335	AMC	0032969	HYST	0044566	HYST	00610BR	SABO
000971446	MERCE	0034539	HYST	0044568	HYST	00615BR	SABO
000971446	MERCE	0034820	HYST	0044570	HYST	00616BR	SABO
000971546	MERCE	0035001181	LF-PT	0044571	HYST	0062-11125SS	JN-MN
000971746	MERCE	003507125A	VW	0044572	HYST	0062-11327SS	JN-MN
000971746	MERCE	0035608	HYST	0046-15026SS	JN-MN	0062-12876LUP	JN-MN
000972747	MERCE	0035828	HYST	0046671	HYST	0062-13059LUP	JN-MN
000972847	MERCE	0036352	HYST	0046697	HYST	0062-13914LUP	JN-MN
000972847	MERCE	0037-5270SS	JN-MN	0046831	HYST	0062-5084SS	JN-MN
000973446	MERCE	0037-6362SS	JN-MN	0047479	HYST	0062-5152LUP	JN-MN
000973446	MERCE	0037103	HYST	00480BA	SABO	0062-5410SS	JN-MN
000974346	MERCE	00376764	ALLCH	0048549	HYST	0062-6093SS	JN-MN
000974646	MERCE	003964BXR	SPG	00487033	ALLCH	0062-6189SS	JN-MN
000974646	MERCE	003964BXR	SPG	00487207	ALLCH	0062-6189SS	JN-MN
000977446	MERCE	0039970347	MERCE	00488BRG	SABO	0062-9152LUP	JN-MN
000977446	MERCE	0039975146	MERCE	0049541	HYST	00624880LUP	JN-MN
001-301-227	VW	0039975146	MERCE	005-997-7846	MERCE	00625506SS	JN-MN
001-301-227C	AUDI	0039978147	MERCE	0050-11124SS	JN-MN	00629634LUP	JN-MN
001-301-227C	VW	00400053	SEAMA	0050-12038LUP	JN-MN	00644294	ALLCH
00100412	SPERY	0041454	HYST	0050-12244SS	JN-MN	0065-13135LPD	JN-MN
001143040	LF-PT	0041455	HYST	0050-13163LPD	JN-MN	0065-13469LPD	JN-MN
00115950	SPERY	0041733	HYST	0050-13448LUP	JN-MN	0065-4789SS	JN-MN
001258120	LF-PT	0041738	HYST	0050-13778SS	JN-MN	0065-5591SS	JN-MN
0014015	HYST	0042875	HYST	0050-14806LUP	JN-MN	0065-5831LUP	JN-MN
00144539	LF-PT	0043-14657SS	JN-MN	0050-4810SS	JN-MN	0065-9305LPD	JN-MN
002-997-9646	MERCE	004316426SS	JN-MN	0050-5883SS	JN-MN	0066-5151SS	JN-MN
00200196	ALLCH	004316426SS	JN-MN	0050-8855SS	JN-MN	0066-5984LPD	JN-MN
0021051	HYST	004316769SS	JN-MN	0050-9212SS	JN-MN	0066-6439SS	JN-MN
00211700	AJUSA	004316769SS	JN-MN	005039	SPG	00665900	AJUSA
0021828	HYST	00435701	ALLCH	00505135SS	JN-MN	0066974	HYST
0021870	HYST	0044454	HYST	00505473SS	JN-MN	0067-10336LUP	JN-MN
00220500	AJUSA	0044456	HYST	00511451	ALLCH	00670142	ALLCH
00224955	ALLCH	0044459	HYST	005171	DISOG	006748	NATEN
00231000	AJUSA	0044461	HYST	0051718	HYST	0068-10904LPD	JN-MN
00241485-03	ALLCH	0044472	HYST	0052623	HYST	0068-4793SS	JN-MN
0024410015	RENAU	0044476	HYST	00526624	ALLCH	0068-5305SS	JN-MN
0024410122	RENAU	0044478	HYST	0053-12934SS	JN-MN	0068-6851LA	JN-MN
0024411383	RENAU	0044479	HYST	005331	SPG	0068-9113LPD	JN-MN
0024411453	RENAU	0044483	HYST	00535179	ALLCH	00685131	ALLCH
0024411453	RENAU	0044484	HYST	0053670	ALLCH	00688032	GMC
0024676	HYST	0044490	HYST	0053902	HYST	00688282	GMC
00248348	SPERY	0044493	HYST	00542951	ALLCH	00688283	GMC
0025-5620SS	JN-MN	0044495	HYST	005523	DISOG	0069028	HYST
0025-7037SS	JN-MN	0044500	HYST	005524	DISOG	0069970546	MERCE
0026186	HYST	0044503	HYST	0055252	HYST	0069970546	MERCE
0026640	HYST	0044504	HYST	0056-12337LUP	JN-MN	0069971247	MERCE
0027260	HYST	0044508	HYST	0056-14981LPD	JN-MN	0069973347	MERCE
0027531	HYST	0044515	HYST	0056-15213LPD	JN-MN	0069979846	MERCE
00289290	SPERY	0044517	HYST	0056-15213LPD	JN-MN	007-997-3646	MERCE
0029117	HYST	0044522	HYST	0056-5239SS	JN-MN	00701425	SPERY
0029308	HYST	0044523	HYST	0056-5850SS	JN-MN	007102610	LF-PT
0029760	HYST	0044525	HYST	0056-6069SS	JN-MN	007214941	LF-PT
0029971346	MERCE	0044526	HYST	0056-6388SS	JN-MN	007226017	LF-PT
0029971346	MERCE	0044527	HYST	005733	SPG	0074961	ALLCH
003-507-264C	VW	0044528	HYST	0057549	HYST	0074962	ALLCH
003-507269A	VW	004453	HYST	0057936	HYST	0075-12564LDS	JN-MN
003-519-089A	VW	0044530	HYST	0059-5138SS	JN-MN	0075-13068LPD	JN-MN
003-519-089D	VW	0044531	HYST	0059-6570LPD	JN-MN	0075-13580LPD	JN-MN
003-992-9546	MERCE	0044532	HYST	0059395	HYST	0075-14797LDS	JN-MN
00302B	SABO	0044536	HYST	00599472	ALLCH	0075-15439LPD	JN-MN
00302B	SABO	0044540	HYST	0059971146	MERCE	0075-5166SS	JN-MN
0031-6269SS	JN-MN	0044547	HYST	0059971146	MERCE	0075-5195SS	JN-MN
0031-7016SS	JN-MN	0044547	HYST	0059974146	MERCE	0075-5992SS	JN-MN
0031234	HYST	0044548	HYST	0059974146	MERCE	0075-6418SS	JN-MN

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0075-6531SS	JN-MN	471567!	0095226	CHRY	471341!	010392	AVCO	471689!	0118-6474SS	JN-MN	30X62X7*
0075-6932LA	JN-MN	471567!	0096-11316SS	JN-MN	451583!	01039LX	CASE	471270!	0118-7011LUP	JN-MN	474254
0075-8463LUP	JN-MN	471554!	0096-11893LUP	JN-MN	450339	010409085	VW	223010	0118-9511LPD	JN-MN	472475
0075-9240LUP	JN-MN	470954!	0096-5853LA	JN-MN	451583!	010409085	VW	30X42X7!	011810500LPD	JN-MN	474255
0075-9339LUP	JN-MN	471643!	0096-9744LUP	JN-MN	451583!*	010409085D	VW	223010	011810569LUP	JN-MN	474255
0075-9651LUP	JN-MN	470954!	00967612	ALLCH	472164!	010409085D	VW	30X42X7!	011810682LPD	JN-MN	471765!
0075-9983LUP	JN-MN	471684!	0097069	HYST	413246	010409529B	VW	1174	01183BR	SABO	75X105X13
0075-9992LPD	JN-MN	471567!	00977BR	SABO	60X82X12!	010409529B	VW	38X52X8.5!	01186162LUP	JN-MN	471765!
00753081033	ALLCH	416891!	0098-13044LPD	JN-MN	25X47X7	01040LX	CASE	470390	011892	AVCO	40568S
00756268SS	JN-MN	343185	0098-13994LPD	JN-MN	25X52X7!	0105-6424LA	JN-MN	473419	0119488	HYST	240698
00757674	ALLCH	470898!	0098-5324SS	JN-MN	472324!	010547	AVCO	473010!	0119970647	MERCE	223005
0077115	HYST	416107!	0098-6755LPD	JN-MN	471688	010570AB	CASE	254287	0119975147	MERCE	239134
0077692	HYST	470898	0098-7116LUP	JN-MN	471224!	0106-14672LPD	JN-MN	471735	011V15BULK	NATL	011-V35BULK
0077993	HYST	471413	009814589SS	JN-MN	222510	0106-5723LUP	JN-MN	450342	012224	AVCO	472572!
0078-14779LPD	JN-MN	20X32X7	009814589SS	JN-MN	25X35X7!	0106-5724LPD	JN-MN	471762!	01231AB	CASE	5M403
0078-18798LUP	JN-MN	481443!	0098471	HYST	415295	0106-6771SS	JN-MN	471705!	0123270	HYST	415960
0078016	HYST	473459	0098524	HYST	472179	0106-7215LUP	JN-MN	471651	012367	AVCO	415088!
007855523	LF-PT	471337	0098643	HYST	410737!	0106-9013LUP	JN-MN	450188	012367	AVCO	415088
00792762	ALLCH	6703S	0098732	HYST	417503	0106-9276LPD	JN-MN	471705!	012401	AVCO	473231!
0079385	HYST	415991	0098D3902	LF-PT	416332!	010615	VICK	470328	012404	AVCO	3893V!
0079385	HYST	415991!	0099973547	MERCE	710289	010615	VICK	481213!	012404	AVCO	415379!
0079389	HYST	416271!	0099978947	MERCE	710289	01061528	VICK	415442!	0125-10058LUP	JN-MN	471766!
00796BR	SABO	16X32X7	01-50140	LILIS	204027	01061528	VICK	55442	0125-10608SS	JN-MN	471737=
0080-11924LPD	JN-MN	471231!	010-409-085E	AUDI	223010	01069363LPD	JN-MN	470606!	0125-10833SS	JN-MN	471413
00802975	ALLCH	471271!	010-409-085E	VW	223010	010756AB	CASE	415379	0125-10877SS	JN-MN	474278
0081-10403LPD	JN-MN	471231!	010-409-255	VW	1965	010816AB	CASE	418028	0125-11583SS	JN-MN	340356
0081-12406LPD	JN-MN	471645	010-409-255A	VW	1965	010816AB	CASE	455137!	0125-11982LUP	JN-MN	471818
0081-13438LPD	JN-MN	471686	010-409-529C	AUDI	1174	010817	CASE	418028	0125-13578LDS	JN-MN	471801!
0081-13647LPD	JN-MN	471729	010-409-529C	VW	1174	010817	CASE	455137!	0125-14904LDS	JN-MN	471766!
0081-15451LPD	JN-MN	471645	010-409-568	AUDI	3083	010817AB	CASE	418028	0125-5026LA	JN-MN	471766!
0081-5292SS	JN-MN	417539!	010-409-568	VW	3083	010817AB	CASE	455137!	0125-5164SS	JN-MN	471833*
0081-7348LPD	JN-MN	474253	010-409-568A	VW	3083	010846AB	CASE	240731	0125-5389LUP	JN-MN	471413!
0081-9743LPD	JN-MN	471231!	0100-10615SS	JN-MN	471224	010876AB	CASE	473214	0125-5727LA	JN-MN	471766!
00815BR	SABO	22X42X10	0100-10749LPD	JN-MN	471649!	010889AB	CASE	415001!	0125-6328SS	JN-MN	470806*
00825BR	SABO	22X42X10	0100-10751LUP	JN-MN	471224!	0109000	HYST	474276!	0125-8820LPD	JN-MN	471413!
00839BR	SABO	32X50X8	0100-10952LUP	JN-MN	471689!	0109224	HYST	471744!	0125-8924LPD	JN-MN	471833
0084-13062LPD	JN-MN	473413	0100-12489LUP	JN-MN	471270!	010983AB	CASE	471649!	0125-9180LPD	JN-MN	450177
0086-17420SS	JN-MN	22X32X7	0100-13458LUP	JN-MN	450593!	0109970947	MERCE	710289	0125-9273LPD	JN-MN	471737
0087-13581LPD	JN-MN	471137	0100-13673LPD	JN-MN	471689!	0109973347	MERCE	710289	012510053LPD	JN-MN	450165
0087-5118SS	JN-MN	254287*	0100-14058LUP	JN-MN	471224!	0112-10406LUP	JN-MN	471763	012510053LPD	JN-MN	471801!
0087-5720LPD	JN-MN	471570!	0100-15668LUP	JN-MN	471649!	0112-10616SS	JN-MN	471692!	012511193LPD	JN-MN	471795
0087-5780SS	JN-MN	471570!	0100-16447LUP	JN-MN	471270!	0112-11834SS	JN-MN	472560N!	01255728LUP	JN-MN	471787!
0087-6133SS	JN-MN	471267!	0100-17694LDS	JN-MN	471224!	0112-17691LDS	JN-MN	471692!	01255729LUP	JN-MN	450165
0087-6158SS	JN-MN	240733	0100-5629LPD	JN-MN	471744!	0112-17701LUP	JN-MN	471785!	01255729LUP	JN-MN	471801!
0087-6499SS	JN-MN	254287	0100-5700SS	JN-MN	472311!	0112-5254SS	JN-MN	472560N!	0125663	HYST	473367
0087-6710SS	JN-MN	471646!	0100-5764SS	JN-MN	471733	0112-5298SS	JN-MN	470712!	0125689	HYST	417350!
0087-6988LPD	JN-MN	471267!	0100-5793SS	JN-MN	471689!	0112-5307SS	JN-MN	471652	012569	AVCO	450362
0087-8465LPD	JN-MN	470590	0100-5986LA	JN-MN	471689!	0112-5583LPD	JN-MN	471747!	012570	AVCO	472185!
0087-9415LPD	JN-MN	471267!	0100-6007LUP	JN-MN	471760	0112-7054LUP	JN-MN	470712!	0125710	HYST	471554!
0087-9975LPD	JN-MN	471646!	0100-6084LUP	JN-MN	471224!	0112-9065LUP	JN-MN	472954	012572	AVCO	473232
0087355	HYST	415995!	0100-6330LPD	JN-MN	471733	0112-9460LUP	JN-MN	471692!	012574	AVCO	472164!
0087382	HYST	416404!	0100-8442SS	JN-MN	471649!	0112-9558LUP	JN-MN	471763	01259028LUP	JN-MN	471750!
00875660LUP	JN-MN	450398	0100-8485LPD	JN-MN	471649!	0112-9625LUP	JN-MN	471652	01259423LPD	JN-MN	471795
00875660LUP	JN-MN	471267!	0100-8814LUP	JN-MN	471649!	0112-9714LPD	JN-MN	350974!	0126-15054LPD	JN-MN	3476
0087656	HYST	415449!	0100-8975LPD	JN-MN	471619!	0112-9789LUP	JN-MN	476838!	012617278LUP	JN-MN	223275
00878462LUP	JN-MN	471570!	0100-9520LUP	JN-MN	471760	0112-9848LUP	JN-MN	471652	012617278LUP	JN-MN	32X56X10!
0088035	HYST	470954!	0100-9900LUP	JN-MN	471760	0112-9848LUP	JN-MN	482208!	0126769	HYST	40627S=
0088176	HYST	415447	010010183LUP	JN-MN	450593!	01129650LPD	JN-MN	471785!	012751	AVCO	204008
0089307	HYST	471262!	01001CU	CASE	473473	011299	AVCO	470954!	012851	AVCO	472185!
0089970146	MERCE	223610	01002	WEBER	471267!	0115	GARLK	471579	012915491LPD	JN-MN	33X50X12!
0089970146	MERCE	710197!	010032AB	CASE	471504!	0115-5212LUP	JN-MN	471736	012943	AVCO	471854!
0089971146	MERCE	225875	01008D	CASE	471795	0116	GARLK	471579	0129499	HYST	JV980=
0089971146	MERCE	58X75X11!	01009859LUP	JN-MN	471224!	01160BR	SABO	65X80X8	012964	AVCO	471224
0093-10229LUP	JN-MN	471571	0101493	THIOK	472636!	011613200	EATON	415295	0129936	HYST	471835!
0093-5880LPD	JN-MN	450039*	010187	AVCO	40494S	011641	AVCO	471870!	0129977447	MERCE	712004
0093-6728LA	JN-MN	50419	010188	AVCO	471689	0118-10426LUP	JN-MN	471354!	0131-12210LPD	JN-MN	473422
0093-6800LPD	JN-MN	471647	010192	AVCO	470625!	0118-15129LPD	JN-MN	30X47X7	0131-12830LPD	JN-MN	473211!
0093-8928LPD	JN-MN	472951	010195	AVCO	473440!	0118-16465LDS	JN-MN	473205!	0131-14341LPD	JN-MN	472826!
0093-8928LPD	JN-MN	474252	0102602	HYST	455471	0118-17236LUP	JN-MN	223014	0131-6134LPD	JN-MN	473213!
0093-9186LUP	JN-MN	471647	0103-5132SS	JN-MN	481650	0118-18463LUP	JN-MN	473205!	0131-7109LA	JN-MN	40769S
00930838	ALLCH	471278	0103-6704SS	JN-MN	471076	0118-5204LPD	JN-MN	474256	0131-9630LPD	JN-MN	481834
00939219LPD	JN-MN	471255!	01038B	SABO	45X85X13	0118-6309SS	JN-MN	471354!	0133456	HYST	471737

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	
0133523	HYST	455019!	0150-10172LPD JN-MN	470625!	0161003 LILIS	473236!	0175-18036LUP JN-MN	471141!
0134717	HYST	471231!	0150-11272SS JN-MN	340136	0161014 LILIS	473197	0175-18419LDS JN-MN	471831!
0137-10404LUP	JN-MN	473214	0150-11654LUP JN-MN	481163!	016168500 EATON	410752	0175-19062LDS JN-MN	472164!
0137-10485LUP	JN-MN	472258!	0150-12184LUP JN-MN	5115	016170700 EATON	471224!	0175-4465LUP JN-MN	472179
0137-10524LUP	JN-MN	470950!	0150-12294LPD JN-MN	473440!	016171000 EATON	471424!	0175-5597LUP JN-MN	472185!
0137-10524LUP	JN-MN	6241S	0150-14618LDS JN-MN	473228!	0162-10035LPD JN-MN	473232!	0175-5772LUP JN-MN	470334!
0137-10753LUP	JN-MN	470774!	0150-15143LDS JN-MN	474281!	0162-10060LPD JN-MN	473010!	0175-5993SS JN-MN	450400
0137-10855LPD	JN-MN	472354!	0150-5414LUP JN-MN	410190	0162-12007LPD JN-MN	473367!	0175-8461LUP JN-MN	470088
0137-11568LPD	JN-MN	472287!	0150-5619SS JN-MN	473228!*	0162-12007LPD JN-MN	473367	0175-8887LUP JN-MN	473448
0137-14854LPD	JN-MN	470774!	0150-5696LUP JN-MN	474281!	0162-13517LDS JN-MN	473367	0175-9076LPD JN-MN	471984
0137-15099LUP	JN-MN	471192	0150-5734LUP JN-MN	473440!	0162-17687LDS JN-MN	473231!	0175-9077LPD JN-MN	472185!
0137-18799LUP	JN-MN	450516	0150-5821SS JN-MN	470625!	0162-17745LUP JN-MN	481864	0175-9710LUP JN-MN	470334!
0137-3740LPD	JN-MN	473214!	0150-6679LUP JN-MN	473227!	0162-3965LPD JN-MN	473010!	0175-9799LPD JN-MN	471504!
0137-40000LDS	JN-MN	473214!	0150-7033LUP JN-MN	470625!	0162-40043LDS JN-MN	473231!	0175-9854LUP JN-MN	472164!
0137-5153SS	JN-MN	473214!	0150-9041LUP JN-MN	473228	0162-6001LA JN-MN	473231	0175-9947LUP JN-MN	471141!
0137-5271SS	JN-MN	472258!	0150-9056LUP JN-MN	451857	0162-6056LUP JN-MN	473010!	0175-9955LUP JN-MN	472179
0137-5644LUP	JN-MN	473215!	0150-9483LPD JN-MN	473228!	0162-6419SS JN-MN	473231!	01751BRG SABO	712009
0137-5731LPD	JN-MN	470950!	0150-9831LPD JN-MN	481163!	0162-6509LA JN-MN	473232	0176-6234LA JN-MN	6936S
0137-5731LPD	JN-MN	6241S	0150-9952LUP JN-MN	473228	0162-7073LUP JN-MN	473231	0176364 HYST	471138!
0137-5804SS	JN-MN	472258!	015000 AVCO	473227!	0162-7365LUP JN-MN	473367!	0177-11499LUP JN-MN	50266
0137-5830SS	JN-MN	471192	0150006 LILIS	200354	0162-7365LUP JN-MN	473367	0177-18375LUP JN-MN	1979
0137-5983LA	JN-MN	472287!	015001 AVCO	472394	0162-9636LUP JN-MN	473232!	0177-18539LDS JN-MN	1979
0137-60013LDS	JN-MN	473214!	0150030 HYST	410190	0162-9849LUP JN-MN	473444	0177-6226LA JN-MN	450285
0137-6369SS	JN-MN	323138!	015011100LPD JN-MN	470059	016210405LPD JN-MN	474274	017713066LPD JN-MN	224570
0137-6506SS	JN-MN	471192*	015011100LPD JN-MN	470380!	01625BR SABO	27X42X10	017713066LPD JN-MN	45X72X12!
0137-6528LA	JN-MN	470774!	015011172LPD JN-MN	470059	016321 JOHND	471466!	017717392LUP JN-MN	1012*
0137-6786LA	JN-MN	450776!	015011172LPD JN-MN	470380!	0163871 HYST	471487!	017717392LUP JN-MN	1012N*
0137-8449SS	JN-MN	470950!	0150158 HYST	474281!	0163871 HYST	471487	017717392LUP JN-MN	45X62X8!*
0137-8449SS	JN-MN	6241S	0150194 HYST	415867	0163912 HYST	473459	0178-12678LPD JN-MN	452742
0137-9080LUP	JN-MN	472354!	015077 AVCO	471224!	0164639 HYST	JV1166	0178345 HYST	415294!
0137-9394LUP	JN-MN	471835!	01507BR SABO	24X42X10	01669BR SABO	55X100X13	0179177 ALLCH	455655!
0137-9733LPD	JN-MN	471276	0152848 HYST	471480!	0167176 HYST	471602!	0179603 HYST	471545
0137174	HYST	417269!	0152863 HYST	416278	01672BR SABO	10X22X7!	0179633 HYST	415962
01378831LPD	JN-MN	471192	0152883 HYST	416888!	0168-10054LUP JN-MN	473234!	01796432 ALLCH	415023
0138120	HYST	472258!	015326 AVCO	471958	0168-10250LUP JN-MN	473234	01797372 ALLCH	352541
0139852	HYST	340847	0153716 HYST	200885	0168-11015LPD JN-MN	470086	01798BAG SABO	58X85X13
0139971447	MERCE	712003	01551BR SABO	35X58X10	0168-15767LDS JN-MN	473234!	018-321-243 AUDI	224052
014-311-113	AUDI	222030	0155346 HYST	417343!	0168-16241LUP JN-MN	473235!	018-321-243 VW	224052
014-311-113	VW	222030	0155361 HYST	JX1190	0168-16467LDS JN-MN	473235!	01805977 ALLCH	415027=
014-311-113F	VW	222030	01553BR SABO	45X72X95	0168-5669LA JN-MN	473234	0181-13922LDS JN-MN	473450!
014-409-399B	AUDI	224052	0155402 HYST	J1111	0168-5690LPD JN-MN	473445	0181-15020LPD JN-MN	472020
014-409-399B	VW	224052	0155403 HYST	412920	0168-60023LDS JN-MN	473235!	0181-5630LUP JN-MN	473449!
014-409-399D	AUDI	224052	0155577 HYST	471538!	0168-60026LDS JN-MN	473235!	0181-5988LA JN-MN	450090
014-409-399D	VW	224052	0156-10190LPD JN-MN	476510=	0168-6122LUP JN-MN	474265	0181-9168LPD JN-MN	472070
01404086	ALLCH	470530!	0156-11514LPD JN-MN	471827!	0168-7031LUP JN-MN	474265	01814BRG SABO	1965
0140471	HYST	415725!	0156-14019LUP JN-MN	472299	0168-7048LPD JN-MN	473233!	0181692 HYST	416921!
0141113	HYST	415725=	0156-15198LPD JN-MN	473229!	0168-8815LUP JN-MN	473233!	0181737 HYST	471766!
0141149	HYST	417605	0156-15770LDS JN-MN	473229!	0168-8861SS JN-MN	473236!	0182614 HYST	471341!
0141671	HYST	417603!	0156-17486LUP JN-MN	472299	0168-9395LUP JN-MN	473236!	0184-8510LUP JN-MN	473453
0143-12894SS	JN-MN	473244!	0156-3876LUP JN-MN	473229!	0168-9935SS JN-MN	473235!	018409399 VW	224520
0143-13554LUP	JN-MN	473016!	0156-5536LUP JN-MN	473229	017-525-275B AUDI	1217	018409399 VW	45X60X10!
0143-19084LDS	JN-MN	3395!	0156-5627LPD JN-MN	470682	0171-5480LPD JN-MN	50191	0184926 HYST	415138!
0143-19084LDS	JN-MN	352444	0156-6836LUP JN-MN	472213	01721BRG SABO	712009	0184947 HYST	416556!
0143-4050LPD	JN-MN	473225!	0156-9445LPD JN-MN	471821!	01722N CASE	415007	0184947 HYST	472157
0143-4850LPD	JN-MN	473016!	0156042 HYST	413247!	017304550001 JOY	415138!	0187-12407LPD JN-MN	473238!
0143-5732LUP	JN-MN	473226	0156200 HYST	416229	017304550003 JOY	455576!	0187-12528LPD JN-MN	472572!
0143-7047LA	JN-MN	473224!	0156205 HYST	471424!	01737BR SABO	11X17X4	0187-14905LDS JN-MN	472439
0143-7216LUP	JN-MN	473224!	0156220 HYST	415897	0174277 HYST	412473!	0187-16012LUP JN-MN	473239!
0143-7346LPD	JN-MN	474264	0156223 HYST	415458!	01746B SABO	20X42X10	0187-17670LDS JN-MN	473238!
0143-9181LUP	JN-MN	3395!	0156234 HYST	416339	0175-10380LUP JN-MN	472185!	0187-17793LUP JN-MN	472439
0143-9181LUP	JN-MN	352444	01565542LPD JN-MN	455655!*	0175-10617SS JN-MN	40183S!	0187-5576SS JN-MN	414045!*
0143-9454LPD	JN-MN	473225!	0157-11302LPD JN-MN	482253	0175-11241LPD JN-MN	473313	0187-5750LA JN-MN	472572!
0143040	HYST	415498	0157-11498LPD JN-MN	482253	0175-11518LPD JN-MN	473237!	0187-5773LA JN-MN	414045!
0145752	HYST	471267!	0157-14577LPD JN-MN	224025	0175-11822SS JN-MN	473237!	0187-5826LPD JN-MN	472439
0145753	HYST	471224!	0157-17405LUP JN-MN	224025	0175-12006LPD JN-MN	470334!	0187-6727LA JN-MN	473238
0146-10055LPD	JN-MN	470625!	0157884 HYST	417316!	0175-13852LDS JN-MN	472179	0187-6936LPD JN-MN	473238!
0146-11809LUP	JN-MN	450523	01589BR SABO	33X52X6	0175-14621LDS JN-MN	472185!	0187-8989LUP JN-MN	450084!
0146-4193LUP	JN-MN	473439!	0159178 HYST	416130!	0175-14849LPD JN-MN	472164!	0187-9189LPD JN-MN	472572!
01464193LPD	JN-MN	473439!	0159295 HYST	45637S	0175-14975LPD JN-MN	472164!*	0187-9190LPD JN-MN	473240!
014848	AVCO	417082	0159572 HYST	416624!	0175-15557LUP JN-MN	472164!	0187-9550LUP JN-MN	472439
014911427LUP	JN-MN	480630!	016-409-399B AUDI	224520	0175-16371LUP JN-MN	471141!	0187-9694SS JN-MN	473238!
01499643LPD	JN-MN	480630!	016-409-399B VW	224520	0175-17757LDS JN-MN	472179	018726154 CEW	1214

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
018726154	CEW	1214N	02-7074737	WHITE	HU036A	0200-10551SS	JN-MN	331107N	020543400	EL-WH	204507!
01880BAGE	SABO	4564V	02-7074738	WHITE	HU009A	0200-10618SS	JN-MN	40301S	0206-10474LUP	JN-MN	450307
0188856	HYST	415035	02-7074739	WHITE	HU009A	0200-10755LPD	JN-MN	472492!	0206-10701LPD	JN-MN	416738!
01899	SABO	2146	02-7074741	WHITE	370012A	0200-10757LPD	JN-MN	472397!	0206-10701LPD	JN-MN	450096
0189977947	MERCE	223005	02-7074742	WHITE	370057A	0200-10834SS	JN-MN	472492!	0206-10860LUP	JN-MN	472012
0191683SL	TRSCM	8059S	02-7074743	WHITE	370023A	0200-11018LUP	JN-MN	472397!	0206-11014LPD	JN-MN	450313
01918N	CASE	450311	02-7074744	WHITE	370036A	0200-11174SS	JN-MN	40410S	0206-12163LPD	JN-MN	472012
0192239	HYST	JV933	02-7074744	WHITE	370349A	0200-11240LPD	JN-MN	473464!	0206-16533LUP	JN-MN	451948
0192250	HYST	JV1215=	02-7074745	WHITE	370036A	0200-11240LPD	JN-MN	473464	0206-17054LUP	JN-MN	450307
0193-10527LPD	JN-MN	473461!	02-7074745	WHITE	370349A	0200-11551LUP	JN-MN	472492!	0206-5022LUP	JN-MN	473466
0193-10949LUP	JN-MN	473462	02-7074750	WHITE	370007A	0200-11855LDS	JN-MN	471424!	0206-5145LUP	JN-MN	450311
0193-11535LPD	JN-MN	473460	02-7074803	WHITE	370001A	0200-11970SS	JN-MN	40410S	0206-5571LPD	JN-MN	450311
0193-13579LDS	JN-MN	473459	02-7074815	WHITE	370037A	0200-12164SS	JN-MN	487945	020613	FED	6957=
0193-15634LDS	JN-MN	472394	02-7074815	WHITE	370338A	0200-12638LPD	JN-MN	55524	020674500	EL-WH	203020
0193-16719LDS	JN-MN	472144!	02-7074960	WHITE	370030A	0200-13571LPD	JN-MN	471424!	020708000	EL-WH	410102
0193-16984LUP	JN-MN	473459	02-7075003	WHITE	370012A	0200-13587LPD	JN-MN	471870!	020712000	EL-WH	473239!
0193-3556LUP	JN-MN	471195!	02-7075004	WHITE	HU011A	0200-14154LPD	JN-MN	472924!	020727100	EL-MO	455079!
0193-5128LPD	JN-MN	473462	02-7075348	WHITE	386025A	0200-15558LUP	JN-MN	450446	020727100	EL-WH	455079!
0193-5276LA	JN-MN	471391!	02-7075348	WHITE	416158	0200-15729LDS	JN-MN	472397!	02077573	GMC	HU009A
0193-5737LUP	JN-MN	472394	02-7076252	WHITE	370065A	0200-17688LDS	JN-MN	471424!	02083	NAK	19X47X7
0193-7347LPD	JN-MN	472394*	02-7076252	WHITE	380065A	0200-2470LPD	JN-MN	412027	0208348	HYST	450400
0193-8443LPD	JN-MN	472319	02-7076255	WHITE	370037A	0200-5144LUP	JN-MN	412028	0208814	HYST	415090
0193-9396LPD	JN-MN	473462	02-7076255	WHITE	370338A	0200-5892LPD	JN-MN	410102	0209090	HYST	471504
0193-9596LPD	JN-MN	473241	02-7076258	WHITE	386025A	0200-7361LPD	JN-MN	473463	021-105-245C	PORSC	227530
0193-9626LPD	JN-MN	472144!	02-7076258	WHITE	416158	0200-8858LPD	JN-MN	410102	021-105-247A	PORSC	224250
0193210	HYST	417362!	02-7076259	WHITE	386025A	0200-9020LPD	JN-MN	473242	021-105-247A	VW	224250
01935826LPD	JN-MN	472439	02-7076259	WHITE	416158	0200-9043LUP	JN-MN	472397!	0210108	HYST	471689!
0193796	HYST	415988	02-7076260	WHITE	370036A	0200-9120LUP	JN-MN	472492!	02105CS	CASE	417262!
0196-11837LPD	JN-MN	472492!	02-7076260	WHITE	370037A	0200-9652LUP	JN-MN	470530!	021105245C	VW	472439
0196-5466LPD	JN-MN	473464!	02-7076260	WHITE	370338A	0200-9653LPD	JN-MN	472924!	0212-10253LUP	JN-MN	473243
0196-5466LPD	JN-MN	473464	02-7076260	WHITE	370349A	0200-9736LPD	JN-MN	471424!	0212-10259LUP	JN-MN	470898
0196-6666LA	JN-MN	450474	02-7076261	WHITE	370036A	02001	BRAD	471554!	0212-10756LUP	JN-MN	473467
0196-8864LPD	JN-MN	450474	02-7076261	WHITE	370037A	02001	WEBER	471554!	0212-10911LPD	JN-MN	413470!
0196-9397LUP	JN-MN	450472!	02-7076261	WHITE	370338A	02001350	AM MA	418028	0212-11522LPD	JN-MN	410308!
0196069	HYST	411245!	02-7076261	WHITE	370349A	02001350	AM MA	455137!	0212-11981LPD	JN-MN	416267!
0196071	HYST	418028	02-7076262	WHITE	370036A	02003	BRAD	472179	0212-14002LDS	JN-MN	453066
0196072	HYST	J1122	02-7076262	WHITE	370037A	02004	BRAD	472179	0212-14002LDS	JN-MN	470898!
0196073	HYST	J1114=	02-7076262	WHITE	370338A	0200446	HYST	410825	0212-14619LDS	JN-MN	472016!
01962984	ALLCH	415142	02-7076262	WHITE	370349A	0200490	HYST	415854	0212-16452LUP	JN-MN	472016!
01964956	ALLCH	416339	02-7076264	WHITE	370065A	02005	BRAD	471801!	0212-17178LDS	JN-MN	472409!
01980BR	SABO	35X55X8!	02-7076264	WHITE	376590A	02007	WEBER	240009	0212-17952LUP	JN-MN	415349
0198291	HYST	417349!	02-7076264	WHITE	380065A	02007D	BRAD	240009	0212-4587LUP	JN-MN	450639
01989086	ALLCH	415725!	02-7076265	WHITE	370007A	02009858LUP	JN-MN	471424!	0212-6081SS	JN-MN	410308!
01F-321-243	AUDI	224052	02-7076266	WHITE	370007A	02010	WEBER	472258!	0212-6081SS	JN-MN	473468
01F-321-243	VW	224052	02-7076267	WHITE	370007A	02011	WEBER	351487	0212-6113LPD	JN-MN	470898
01T4676A	FORD	473215!	02-7076268	WHITE	370007A	020118000	EL-WH	204035	0212-6292SS	JN-MN	472016!*
01T4676A2	FORD	473215!	02-7076269	WHITE	370001A	02012	WEBER	471539!	0212-6941LA	JN-MN	455080
01T4676A3	FORD	473215!	02-7076270	WHITE	370001A	02013	WEBER	473367!	0212-8462LPD	JN-MN	472016
01T4676A4	FORD	473215!	02-7076274	WHITE	370036A	02013	WEBER	473367	0213066	HYST	343186
01T4813	FORD	450307	02-7076274	WHITE	370349A	02015	WEBER	472164!	02145BRG	SABO	712008
01T4813A	FORD	410308!	02-7077371	WHITE	HU009A	02016	WEBER	474253!	0216-11569LPD	JN-MN	450621
01T4832	FORD	6098=	02-7104674	WHITE	370003A	02017	WEBER	471558	0216-5792LUP	JN-MN	55X72X8!
01Y1190A	FORD	472179	02-7108334	WHITE	370030A	02018	WEBER	343185	02176BRG	SABO	16X24X6
01Y1190A1	FORD	472179	02-7108900	WHITE	370003A	02019028	GMC	HU042A	0217985	HYST	J1121
01Y4676A	FORD	471766!	02-7109090	WHITE	386025A	020213000	EL-WH	204038	0218-11055LUP	JN-MN	470354
01Y4676A1	FORD	471766!	02-7109090	WHITE	416158	02022846	GMC	HU042A	0218-11515LPD	JN-MN	473471
02-01244-P1	ROCKW	370001A	02-7109091	WHITE	386025A	02023	WEBER	471224!	0218-11696LPD	JN-MN	412943
02-7003942	WHITE	HU009A	02-7109091	WHITE	416158	02024	WEBER	350909	0218-12364LPD	JN-MN	472020
02-7003943	WHITE	370003A	02-7128839	WHITE	370003A	02024	WEBER	471224!	0218-14970LPD	JN-MN	473244!
02-7021377	WHITE	370003A	02-7223499	WHITE	733067	02024074	GMC	730016	0218-18426LUP	JN-MN	470354*
02-7021378	WHITE	370023A	02_7074450	WHITE	370003A	02025	WEBER	240735	0218-19146LDS	JN-MN	416268
02-7022919	WHITE	370001A	02_7074573	WHITE	H075	02026	WEBER	481443!	0218-4976LPD	JN-MN	472234
02-7068938	WHITE	733067	02_7074736	WHITE	HU028A	020293900	EL-WH	204017	0218-5632LPD	JN-MN	413472
02-7068983	WHITE	733067	020-01270	NOVO	415449!	0203-5221LA	JN-MN	450307	0218-8873LPD	JN-MN	473245!
02-7073109	WHITE	370065A	020-301-189F	VW	474288	02031	WEBER	471567!	0218-9398LUP	JN-MN	473243
02-7073109	WHITE	376590A	020-301-189G	VW	474288	02032	MAGNA	471224!	0223124SE48HM	AM BO	471255!
02-7073109	WHITE	380065A	020-301-189M	VW	225010	02034	MAGNA	240151	0225-10301LUP	JN-MN	411253!
02-7073176	WHITE	370036A	020-301-189R	VW	225010	02039CS	CASE	471271!	0225-10418LUP	JN-MN	472636!
02-7073176	WHITE	370349A	020-311-113	VW	222240	02051BR	SABO	38X54X10	0225-10432LUP	JN-MN	471272!
02-7074117	WHITE	370065A	020-489-085	VW	474288	02051VM	TRSCM	343104	0225-10513LUP	JN-MN	410737!
02-7074117	WHITE	376590A	020-498-085F	VW	1209	0205275	EL-WH	291099	0225-10623SS	JN-MN	40316S
02-7074117	WHITE	380065A	0200-10207LUP	JN-MN	471870!	020543400	EL-WH	204029	0225-10959LPD	JN-MN	415254

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
0225-10982LPD	JN-MN	411253!	025-105-249A	AUDI	224835	0265659	HYST	JV1304	0275-6140LA	JN-MN	417316!
0225-12842LDS	JN-MN	471272!	025-105-249A	VW	224835	02662BR	SABO	228009	0275-6257LPD	JN-MN	417316!
0225-13316LDS	JN-MN	472636!	0250-10036LPD	JN-MN	455079!	0266728	HYST	200912 * =	0275-7128LUP	JN-MN	417316!
0225-15889LUP	JN-MN	411376!	0250-10121LUP	JN-MN	415449!	0267538	HYST	415447	0275-8436LUP	JN-MN	476281 *
0225-16268SS	JN-MN	411253!	0250-10184LUP	JN-MN	472029	02685BR	SABO	60X90X8	0275-8470LUP	JN-MN	417484!
0225-17113LUP	JN-MN	472636!	0250-10208LUP	JN-MN	415449!	0268911	HYST	417541	0275-8857LPD	JN-MN	416282
0225-18412LDS	JN-MN	415259!	0250-10345LPD	JN-MN	410496!	027021808	WHITE	370001A	0275-9732LUP	JN-MN	417316!
0225-6013SS	JN-MN	473473	0250-10619SS	JN-MN	415449!	0270501	EIMCO	473016!	02750101	EIMCO	472234
0225-6296LA	JN-MN	410737!	0250-10797LUP	JN-MN	470605!	02707-4962	WHITE	370003A	02750102	EIMCO	471750!
0225-6336LUP	JN-MN	472636!	0250-11167LPD	JN-MN	415001!	027089859	WHITE	412473	02750200	EIMCO	415958
0225-8493LPD	JN-MN	471138!	0250-14620LDS	JN-MN	415449!	0271	INTDE	415379	02750200	EIMCO	415958!
0225-8494LPD	JN-MN	471138!	0250-15566LDS	JN-MN	471271!	0271	INTDE	415379!	02750301	EIMCO	476838!
0225-8495LPD	JN-MN	415254	0250-16933LUP	JN-MN	415449!	02710	INTDE	472439	02750302	EIMCO	471887
0225-8991LUP	JN-MN	411376!	0250-18720LUP	JN-MN	472029	02710101	EIMCO	473243	02750502	EATON	471887
0225-9218LPD	JN-MN	473473	0250-5542LPD	JN-MN	455655!	02710201	EIMCO	470625!	0275067	HYST	474272
0225-9686LPD	JN-MN	412920!	0250-5598LUP	JN-MN	415201!	02711	INTDE	411394!	02752	CLAYE	210914
0225-9715LUP	JN-MN	415259!	0250-5744LUP	JN-MN	455079!	02712	INTDE	472636!	0276	INTDE	416865!
02264BRG	SABO	710232	0250-6924LA	JN-MN	415001!	02713	INTDE	450104	0276603	HYST	417366!
02276798	ALLCH	472299 =	0250-7027LA	JN-MN	415082	02713CK	CASE	480210!	0276983	HYST	413479
022818810LUP	JN-MN	225875 *	0250-8496LPD	JN-MN	410496!	02714	INTDE	415449!	0277	INTDE	415645!
022818810LUP	JN-MN	58X75X11!	0250-8497LUP	JN-MN	455655!	02715	INTDE	415302	0277	INTDE	455104
02284BD	CASE	470625!	0250-8865LPD	JN-MN	415001!	02716	INTDE	415458!	0278	INTDE	415072
02288	SABO	3543	0250-9751LUP	JN-MN	471271!	02717	INTDE	417344!	0279	INTDE	472185!
0231-15065LUP	JN-MN	442874	0250-9790LUP	JN-MN	471271!	02718	INTDE	455151	0279522	HYST	470682
0231-16535LUP	JN-MN	472150	0250-9863LPD	JN-MN	416273!	02719	INTDE	417487	028011	BENDI	473228
0231-17817LUP	JN-MN	472150	02511BRAG	SABO	712511	0272	INTDE	417356!	0281-11148LPD	JN-MN	417485
0231-9149LUP	JN-MN	411394!	02511BRAGF	SABO	712511	0272	INTDE	455188	0281-11558LUP	JN-MN	455005
0231950	HYST	416288!	02512BRGE	SABO	712512	02720401	EIMCO	472319	0281-18778LUP	JN-MN	475384 *
0232220	HYST	471765!	02516BRGE	SABO	710211	02720502	EIMCO	471271!	028293K	JOHND	6575S
0234-9750LUP	JN-MN	417480!	0255-14610LPD	JN-MN	65X90X10!	02721	INTDE	418028	0285-10528LPD	JN-MN	417344!
0234003	HYST	471281!	0255-17760LUP	JN-MN	65X85X10	02721	INTDE	455137!	0287-10004LPD	JN-MN	417344!
0234047	HYST	412119!	0255-18376LUP	JN-MN	65X100X10	02722	INTDE	415711	0287-10065LUP	JN-MN	415303!
023510	EVERS	JV933	0255-40039LDS	JN-MN	65X100X10 *	02723	INTDE	415187	0287-10087LPD	JN-MN	416921!
0235430	HYST	417344!	0256-13768LUP	JN-MN	417481	027233	BL-KN	473215!	0287-10097LUP	JN-MN	417344!
0236-11453LPD	JN-MN	412119!	0256-6869LUP	JN-MN	415988	02724	INTDE	416137	0287-10165LPD	JN-MN	415303!
023614643LPD	JN-MN	226020	0256-9188LPD	JN-MN	415302	02725	INTDE	473467	0287-11780LUP	JN-MN	417158!
023614643LPD	JN-MN	60X80X8!	02572500	EL-WH	291099	02726	INTDE	416107!	0287-13553LPD	JN-MN	417344!
0236836	HYST	J1126	02585110V	EATON	410102	02726	INTDE	455073	0287-17731LDS	JN-MN	415303!
0236939	EATON	474281!	0258511AM	EATON	470625!	02728	INTDE	417548	0287-5956LA	JN-MN	455310
0237-11875LPD	JN-MN	413246	0258511BF	EATON	471504!	02729	INTDE	416666	0287-10065LUP	JN-MN	415303!
0237-13315LDS	JN-MN	416271!	0258511BR	EATON	416556!	0273	INTDE	415196!	0287-9488LUP	JN-MN	416921!
0237-15457LPD	JN-MN	412861	0258511BR	EATON	472157	02730301	EIMCO	415035!	0287-9876LPD	JN-MN	417344!
0237-16536LUP	JN-MN	410825	0258511BV	EATON	415074	02730301	EIMCO	415035	0287-9918LPD	JN-MN	417134
0237-40042LDS	JN-MN	416271!	0258511RR	EATON	472397!	02730501	EIMCO	418028	0289796	HYST	J1136
0237-5931LUP	JN-MN	416071 *	0259805	HYST	J1117	02730501	EIMCO	455137!	029-105-245	PORSC	227530
0237-6071LA	JN-MN	412119!	026-103-051A	AUDI	716102	02731	INTDE	417316!	029-105-245	VW	227530
0237-6879LA	JN-MN	473475	026-103-085D	AUDI	3476	02732	INTDE	417343!	029-105-245A	PORSC	227530
0237-9144LPD	JN-MN	413247!	026-103-085D	VW	3476	02733	INTDE	473412	029-105-245A	VW	227530
0237-9319LUP	JN-MN	416271!	026-103-085J	AUDI	3476	02734	INTDE	472234	0293-11308LPD	JN-MN	417159
0237-9409LUP	JN-MN	413247!	0260666	HYST	416892!	02735	INTDE	473239	0293-13954LPD	JN-MN	417486
0237-9546LUP	JN-MN	470565!	026103051A	VW	716102	02736	INTDE	415991	0293-4183LPD	JN-MN	416500
02373BRG	SABO	13X26X7	026103051A	VW	85X105X10!	02736	INTDE	455146!	0293-5770LUP	JN-MN	416654!
0240912	HYST	415138!	0262-10050LUP	JN-MN	415458!	02737	INTDE	417356!	0293-6041LA	JN-MN	416654!
0240913	HYST	415363 =	0262-10910LPD	JN-MN	415483!	02737	INTDE	455188	0293-6108LUP	JN-MN	416956
0240913	HYST	417362!	0262-11017LUP	JN-MN	415483	02738	INTDE	415045!	0293-9543LPD	JN-MN	416654!
0243-10329LPD	JN-MN	476272 =	0262-11833LPD	JN-MN	417079	0274	INTDE	416888!	0293-9707LPD	JN-MN	455356
0243-11143LUP	JN-MN	411245!	0262-13858LDS	JN-MN	415483	02740501	EIMCO	415683	0293-9815LPD	JN-MN	416654!
0243-11660LPD	JN-MN	412040	0262-14831LDS	JN-MN	415007	0275-10044LPD	JN-MN	416706!	029315174LPD	JN-MN	416500!
0243-6432LUP	JN-MN	417073	0262-16636LUP	JN-MN	415483	0275-10304LPD	JN-MN	415960	0295-13979SSW	JN-MN	200322
0243-9171LUP	JN-MN	471887 *	0262-18914LUP	JN-MN	412871!	0275-10364LPD	JN-MN	416664!	029515089LPD	JN-MN	227550
0243-9374LUP	JN-MN	417073	0262-4220LPD	JN-MN	415458!	0275-10635LDS	JN-MN	416664!	029515089LPD	JN-MN	75X100X12!
0243-9825LUP	JN-MN	450104	0262-4840LA	JN-MN	417082	0275-10761LPD	JN-MN	417316!	029563	ALLCH	417181!
0244-10120LUP	JN-MN	412040	0262-5745LUP	JN-MN	417343!	0275-11420SS	JN-MN	417484!	0296-9399LPD	JN-MN	417349
02449619	ALLCH	473215!	0262-6235LPD	JN-MN	417343!	0275-11894LPD	JN-MN	416664!	0296842	HYST	415234!
02449BRG	SABO	712449	0262-6883LA	JN-MN	413248	0275-12494LPD	JN-MN	415984!	0299-9998LPD	JN-MN	415995!
02449BRGF	SABO	712449	0262-7110LUP	JN-MN	415458!	0275-12725LPD	JN-MN	480491 *	0299H100	DANA	710006 *
02451BRG	SABO	75X90X10	0262-8468LUP	JN-MN	410708 *	0275-14042LPD	JN-MN	416664!	02A301189	VW	710147
0246-12675LPD	JN-MN	50560 *	0262-8505LPD	JN-MN	415007	0275-14694LPD	JN-MN	70X100X13	02RM1160400A	TROS	471255!
02469260	ALLCH	472258	0262-9452LPD	JN-MN	412871!	0275-14781LDS	JN-MN	416664!	03-01340	KEN	5M466
0248630	HYST	472015!	02629056LUP	JN-MN	451857	0275-16242LDS	JN-MN	417316!	03-02760	KEN	411253!
025-105-249	AUDI	224835	0264589	HYST	417181!	0275-16658SS	JN-MN	416664! *	03-02840	KEN	370036A
025-105-249	VW	224835	0265383	HYST	41461S	0275-5613LPD	JN-MN	415960	0300-10249LPD	JN-MN	417351!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

0300-11074LUP – 0400-5489LPD

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
0300-11074LUP	JN-MN	415995!	032068	ROSS	240356	03378842LPD	JN-MN	417191	0375-12115LPD	JN-MN	415379!
0300-11074LUP	JN-MN	415995!	032069	ROSS	470625!	03378842LPD	JN-MN	456585	0375-13770LUP	JN-MN	415150!
0300-11830LUP	JN-MN	417487	032073	ROSS	473313	034-105-147A	VW	1108	0375-14443LDS	JN-MN	415379
0300-11830LUP	JN-MN	417487!	032074	ROSS	474276!	034-115-147A	AUDI	1108	0375-14443LDS	JN-MN	415379!
0300-13414LUP	JN-MN	417349!	032075	ROSS	340413	0343-10129LPD	JN-MN	417493	0375-17199LDS	JN-MN	415379
0300-13804LPD	JN-MN	453182	032076	FORD	240414	0343-10948LUP	JN-MN	417493	0375-17199LDS	JN-MN	415379!
0300-15153LPD	JN-MN	417350!	032076	ROSS	240414	0343-6040LUP	JN-MN	417493	0375-40001LDS	JN-MN	415379
0300-15910LDS	JN-MN	415995!	032077	ROSS	6597S	0343-9512LUP	JN-MN	455026	0375-40001LDS	JN-MN	415379!
0300-15910LDS	JN-MN	415995!	032078	KEN	450400	034631	CATER	471765!	0375-6294LA	JN-MN	416339
0300-16743LPD	JN-MN	453182*	032078	ROSS	450400	034697	ALLCH	472636!	0375-6294LA	JN-MN	455031!
0300-4360LPD	JN-MN	415088	032079	ROSS	352541	0350-10019LPD	JN-MN	415437	0375-6872LPD	JN-MN	415379
0300-5104LPD	JN-MN	415995!	032081	ROSS	450048	0350-10110LUP	JN-MN	415559	0375-6872LPD	JN-MN	415379!
0300-5104LPD	JN-MN	415995!	032082	ROSS	471224!	0350-10306LUP	JN-MN	417196!	0375-7146LUP	JN-MN	415379!
0300-5961LUP	JN-MN	417349!	032085	ROSS	471192	0350-10773LPD	JN-MN	55309=	0375-7146LUP	JN-MN	415379
0300-6073LUP	JN-MN	417487	032092	ROSS	340787	0350-11197LUP	JN-MN	415991	037511040LPD	JN-MN	417205!
0300-6423LUP	JN-MN	415995!	032110	ROSS	470712!	0350-11197LUP	JN-MN	455146!	037675	ALLCH	415001!
0300-8506LPD	JN-MN	417488!	032151	ROSS	340413	0350-12565LDS	JN-MN	415991	037676	ALLCH	472924!
0300-9004LPD	JN-MN	455019!	032164	ROSS	6597S	0350-12565LDS	JN-MN	415991!	0381-12156LUP	JN-MN	417504
0300-9045LUP	JN-MN	415995!	032165	ROSS	6703S	0350-15810LUP	JN-MN	415027	0381-16544LUP	JN-MN	455189
0300-9182LUP	JN-MN	415995!	032166	ROSS	340787	0350-16542LUP	JN-MN	417495	0381-7014LA	JN-MN	455032!
0300-9343SS	JN-MN	453182	032167	ROSS	340400	0350-17475LDS	JN-MN	415027	0381-9762LUP	JN-MN	455178=
0300-9368LPD	JN-MN	417351!	032176	ROSS	470712!	0350-17593LDS	JN-MN	415027	03820197	CHRY	493291
03004940LA	JN-MN	415995!	032264	ROSS	471737	0350-17779LDS	JN-MN	415027	03866AB	CASE	415458!
0302076	FORD	240414	032341	ALLCH	415995!	0350-4941LUP	JN-MN	415991	03868AB	CASE	473215!
030326	ALLCH	473213!	032347	ALLCH	412119!	0350-4941LUP	JN-MN	455146!	0387-11177LPD	JN-MN	456618
030327	ALLCH	473225!	032378	ROSS	240414	0350-6301LA	JN-MN	417496	0387-12409LPD	JN-MN	415697!
030504	ALLCH	471567!	032496000	EATON	410825	0350-6327LA	JN-MN	417196!	0387-12409LPD	JN-MN	455547
030586	ALLCH	474276!	0325-10100LUP	JN-MN	417433!	0350-6871LUP	JN-MN	417496	0387-12654LPD	JN-MN	417210!
0306-10960LPD	JN-MN	455015	0325-10272LPD	JN-MN	455328	0350-7325LUP	JN-MN	416624!*	0387-15641LPD	JN-MN	417210!
0306-5825LUP	JN-MN	55155=	0325-10305LUP	JN-MN	418028	0350-8501LPD	JN-MN	417198	0387-16269LDS	JN-MN	417210!
03061CH	CASE	450335	0325-10305LUP	JN-MN	455137!	0350-8821LPD	JN-MN	415437	0387-16545LUP	JN-MN	415958
03061VM	TRSCM	311189	0325-11121LPD	JN-MN	417353!	0350-8821LPD	JN-MN	415437!	0387-16546LUP	JN-MN	417505
030639200	EATON	472015!	0325-11497LPD	JN-MN	476470	0350-8999LPD	JN-MN	417496	0387-6218LUP	JN-MN	416345!
03072SB	TRSCM	330385!	0325-13075LUP	JN-MN	418028	0350-9410LUP	JN-MN	415027	0387-6218LUP	JN-MN	455033
03072SC	TRSCM	330385	0325-13241LDS	JN-MN	476470	0350-9410LUP	JN-MN	415027!	0387-9764LUP	JN-MN	417211!
03072SM	TRSCM	240385	0325-14271LPD	JN-MN	418028	0350-9422LUP	JN-MN	415991	03873AB	CASE	417344!
03082SZ	TRSCM	350156	0325-16539LUP	JN-MN	455566	0350-9422LUP	JN-MN	455146!	03896N	CASE	471744!
03082TB	TRSCM	473096!	0325-16540LUP	JN-MN	456305	0350-9752LUP	JN-MN	415991	03899AB	CASE	472185!
03092SB	TRSCM	471103!	0325-17972LDS	JN-MN	417181!	0350-9752LUP	JN-MN	455146!	0390003	BE-AR	35094
031061SC	TRSCM	240698	0325-18099LUP	JN-MN	417433!	03511008	SPICE	254270	0390025	BE-AR	35316
031072VTBY	TRSCM	350364	0325-5027LUP	JN-MN	417433!	0354-13160LPD	JN-MN	90X120X12	0390059	BE-AR	35548
031092TCN	TRSCM	50445	0325-6145LA	JN-MN	417181!	0356-16543LUP	JN-MN	415498	0390061	BE-AR	35315
031101529	WHITE	417316!	0325-7190LUP	JN-MN	476470	0356-9892LUP	JN-MN	415711	0390086	BE-AR	35547
031163	ALLCH	476470	0325-8483LPD	JN-MN	417181!	0360CU	CASE	471224	0390088	BE-AR	35361
031164	ALLCH	415995!	0325-8845SS	JN-MN	476470	0361017	LILIS	471192	0390090	BE-AR	35316
0312-10142LPD	JN-MN	416297	0325-8945LUP	JN-MN	415023	0362-11198LUP	JN-MN	416332!	0390106	HYST	417247!
0312-11685LPD	JN-MN	417171!	0325-9547LPD	JN-MN	476470	0362-12159LPD	JN-MN	415937!	0390119	BE-AR	35327
0312-13518LDS	JN-MN	417621!	03271N	CASE	474278	0362-12677LDS	JN-MN	415937!	0393-11669LPD	JN-MN	455191
0312-6814LA	JN-MN	415021	0327535-1	ALLCH	204013	0362-12718LPD	JN-MN	415832	0393-12357LDS	JN-MN	415263
0312-8509LUP	JN-MN	417172	032784	ALLCH	474265	0362-15724LUP	JN-MN	417355!	0393-5910LPD	JN-MN	4150341!*
0312-9092LPD	JN-MN	416288!	032785	ALLCH	417316!	0362-20032LUP	JN-MN	416125!	0393-6072LUP	JN-MN	455191
03123112	AU-LI	474279N	032995	SPG	39879	0362-5140SS	JN-MN	456744N	0393-8503LPD	JN-MN	415263
03125011LUP	JN-MN	417621!	0330779	HYST	J1118	0362-8438LPD	JN-MN	417500	0393-8504LUP	JN-MN	417506
0313-9523LPD	JN-MN	415021	033081	ALLCH	473438	0362-9587LPD	JN-MN	416125!	0393-9402LUP	JN-MN	415034!
0314-14644LPD	JN-MN	228010	0331-10963LPD	JN-MN	417491	036727F	SPERY	204013	0397-10950LPD	JN-MN	415187
0315-16432LUP	JN-MN	228010	0331-11523LPD	JN-MN	415085!	0368-15929LUP	JN-MN	417501	04-9012430	WHITE	HU024A
0318-7227LUP	JN-MN	456105	0331-11523LPD	JN-MN	456648	0368-18532LUP	JN-MN	416670	04-9023110	WHITE	370023A
0318-8838LPD	JN-MN	455336	0331-12253LPD	JN-MN	416292	0368-6808LA	JN-MN	417501	04-9038204	WHITE	370030A
0318-9193LPD	JN-MN	417490	0331-14237LPD	JN-MN	455024	0368-8502LUP	JN-MN	55030	04-BRS0-400-300-7CW	TROS	415995
0318-9542LPD	JN-MN	455022	0331-15676LUP	JN-MN	416313	037051VC	TRSCM	340827	0400-10285LPD	JN-MN	415036
032040	ROSS	471137	0331-9591LPD	JN-MN	455612=	0370932	BE-AR	35127	0400-10384LPD	JN-MN	415036
032046	ROSS	450593!	033146	ALLCH	473238	0371-9729LUP	JN-MN	415379!	0400-11119LPD	JN-MN	417356!
032048	ROSS	471224!	033512	PETTI	472636!	0371-9729LUP	JN-MN	415379	0400-11119LPD	JN-MN	455188
032049	ROSS	471750!	0337-10164LUP	JN-MN	412473!	03717CS	CASE	240319	0400-11500LPD	JN-MN	415035
032052	GMC	472185!	0337-11557LUP	JN-MN	417354!	0372CK	CASE	471649!	0400-11635LPD	JN-MN	417356!
032052	ROSS	472185!	0337-16541LUP	JN-MN	416294!	0374295	BE-AR	25598	0400-11635LPD	JN-MN	455188
032054	ROSS	476838!	0337-4463LUP	JN-MN	415025*	0375-10057LUP	JN-MN	416339	0400-13292LPD	JN-MN	415187
032062	ROSS	473464!	0337-8841LUP	JN-MN	417191	0375-10057LUP	JN-MN	455031!	0400-14959LPD	JN-MN	415187
032062	ROSS	473464	0337-8841LUP	JN-MN	456585	0375-10846SS	JN-MN	415379	0400-15141LDS	JN-MN	415035
032064	ROSS	471750!	0337-9042LUP	JN-MN	417191	0375-10859LPD	JN-MN	416339	0400-16751LUP	JN-MN	416130!
032065	ROSS	472560N!	0337-9042LUP	JN-MN	455165!	0375-10859LPD	JN-MN	455031!	0400-4784LPD	JN-MN	415041
032068	CASE	340356	0337-9205LUP	JN-MN	415025	0375-12115LPD	JN-MN	415379	0400-5489LPD	JN-MN	417357

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
0400-5489LPD	JN-MN	455192!	0425-8810LUP	JN-MN	416137	0468-8478LPD	JN-MN	415284	0487340	FORD	474265
0400-60003LDS	JN-MN	417507	0425-8946LPD	JN-MN	416891!	0468-8900LPD	JN-MN	415284	0487372	FORD	472144!
0400-6146LUP	JN-MN	415035	0425-9930LUP	JN-MN	415196!	0468SC	CASE	240735	0487374	FORD	450084!
0400-6146LUP	JN-MN	415035!	04253AB1	CASE	417492	047046	ALLCH	472394	0487398	FORD	412119!
0400-7130LA	JN-MN	415036	0431-16548LUP	JN-MN	455197N	047047	ALLCH	473228	0487402	FORD	416444
0400-7195LUP	JN-MN	415036	0431-7192LPD	JN-MN	417520	0472-15209LUP	JN-MN 120X160X12		0487414	FORD	415001!
0400-7199LUP	JN-MN	415035	0431-9545LPD	JN-MN	417238	047275	ALLCH	417316!	0487422	FORD	417316!
0400-7199LUP	JN-MN	415035!	0433-16433LUP	JN-MN 110X130X12		04736	JAC	450398	0487440	FORD	412473!
0400-9143LUP	JN-MN	457294*	043569	ALLCH	470950!	04736	JAC	471267!	0487450	FORD	416332!
0400-9151LPD	JN-MN	415041	043569	ALLCH	6241S	04741908	CHRY	713103	0487494	FORD	415138!
0400-9342SS	JN-MN	415035	043570	ALLCH	450273	047436	ALLCH	476470!	0487514	FORD	417273
0400-9663LPD	JN-MN	417509	0437-10470LPD	JN-MN	415047	047436	ALLCH	476470	04897297AA	CHRY	713103
0400-9705LPD	JN-MN	417223	0437-10482LPD	JN-MN	415047	04746772	CHRY	5778V	0493-12773LPD	JN-MN	417539!
0400-9866LUP	JN-MN	415035	0437-19127LDS	JN-MN	416147	0475-10841LPD	JN-MN	455375=	0493-7144LPD	JN-MN	417539!
0400-9866LUP	JN-MN	415035!	0437-8875LUP	JN-MN	415196!	0475-11226LPD	JN-MN	417538	0493-8801LPD	JN-MN	417539!
04002002.5	TROS	240698	0437-9418LPD	JN-MN	415425	0475-11804LPD	JN-MN	415066	0493-9159LPD	JN-MN	417273
040211	ALLCH	474281!	0437-9590LPD	JN-MN	415060	0475-6085LPD	JN-MN	415066	0493-9400LPD	JN-MN	417273
040302	ALLCH	471442!	0437-9590LPD	JN-MN	455060	0475-6935LPD	JN-MN	417247!	0493-9600LPD	JN-MN	417273
04032AB	CASE	415035	04381AB	CASE	471567!	0475-7107LA	JN-MN	415066	04933AB	CASE	450474
04032AB	CASE	415035!	043838	GEHL	470088!	0475-9820LPD	JN-MN	415138!	049453	ALLCH	417357
04041AB	CASE	415001!	043839	GEHL	471192	0475-9963LPD	JN-MN	415138!	049453	ALLCH	455192!
04045AB	CASE	415458!	04384188	CHRY	9316	047852	GEHL	471818	049489	ALLCH	473214!
04047	CASE	473467!	04399	JAC	481537	04801604	TROS	350435	049490	ALLCH	471224!
04048AB	CASE	472185!	04399A	JAC	481537	04802004	TROS	350364	049521	ALLCH	471785!
0406-15574LUP	JN-MN	455037	04402005	TROS	50883=	04802404	TROS	330385!	049522	ALLCH	473436
04061VC	TRSCM	343101	04402402.5	TROS	311189	04803202	TROS	43095S!	049629	ALLCH	471224!
04081VM	TRSCM	474279N	04403201.5	TROS	342805	0481-11060LPD	JN-MN	456890	04981	JAC	471652
04082SM	TRSCM	240470	04403202	TROS	342805	048115147	PORSC	710331	05-03700	KEN	471141!
04082SM	TRSCM	472810!	044208	GEHL	412920!	0486060	FORD	450188	0500-10201LPD	JN-MN	416865!
040832	EVERS	411253!	0443-10332LPD	JN-MN	55199=	0486073	FORD	470954	0500-12367LPD	JN-MN	417543
04092VB	TRSCM	6863S!	0443-8460LUP	JN-MN	55199=	0486080	FORD	415449!	0500-16740LDS	JN-MN	415725!
04093SB	TRSCM	6863S!	0443-8825LUP	JN-MN	417525	0486325	FORD	472560N!	0500-17959LDS	JN-MN	416865!
04104	JAC	471554!	044594	HESST	472193!	0486452	FORD	55386	0500-18134LDS	JN-MN	416865!
04112SL	TRSCM	474277	044741	ALLCH	471763	048689	ALLCH	471141!	0500-5907LPD	JN-MN	416865!
0412-10382LPD	JN-MN	415142	044800	HESST	471765!	048692	ALLCH	471766!	0500-6325LUP	JN-MN	416865!
0412-11120LPD	JN-MN	415043	044818	HESST	471760!	0487-15067LUP	JN-MN	416167!	0500-6671LUP	JN-MN	417541
0412-11194LPD	JN-MN	415142	044852	ALLCH	417316!	0487-15801LDS	JN-MN	416167!	0500-8956LPD	JN-MN	417542
0412-11739LPD	JN-MN	415142	044859	GEHL	472015!	0487-7234LPD	JN-MN	417269!	0500-9044LUP	JN-MN	417541
0412-11790LUP	JN-MN	417511	0450-11709LUP	JN-MN	416892!	0487-8925LPD	JN-MN	417267	0500-9530LUP	JN-MN	415725!
0412-14444LDS	JN-MN	415142	0450-11832LUP	JN-MN	416151	0487-9797LPD	JN-MN	417269!	0500-9629LUP	JN-MN	415725!
0412-17228LUP	JN-MN	455134!	0450-13172LDS	JN-MN	416888!	0487014	FORD	471224!	05009	NAK	25X48X8
0412-20013LPD	JN-MN	415043	0450-18396LUP	JN-MN	416154!	048703	ALLCH	415449!	05009530LPD	JN-MN	415725!
0412-6582LUP	JN-MN	417512	0450-4519LUP	JN-MN	416888!	0487052	FORD	415035!	05015CS	CASE	472560N
0412-9649LPD	JN-MN	415142	0450-5991LUP	JN-MN	417532	0487052	FORD	415035	050320	WHITE	473475
041516	ALLCH	471570!	0450-6538LPD	JN-MN	416154!	0487066	FORD	471103!	050368100	EATON	240319
041798	ALLCH	415187	0450-7145LPD	JN-MN	416892!	0487067	FORD	45187S	0504-7489	GM	417520
0418-11517LPD	JN-MN	455625=	0450-7191LPD	JN-MN	416892!	0487068	FORD	471442!	050441	ALLCH	471267!
0418-11643LPD	JN-MN	417516	0450-7360LPD	JN-MN	415351!	0487073	FORD	416865!	050443	ALLCH	415449!
0418-12122LPD	JN-MN	455194	0450-9170LUP	JN-MN	416888!	0487086	FORD	471281!	0506-5148LPD	JN-MN	455290*
0418-16547LUP	JN-MN	417515	0450-9425SS	JN-MN	416892!*	0487088	FORD	471466!	05071VB	TRSCM	340847!
0418-18564LPD	JN-MN	417513	0450-9664LUP	JN-MN	416154!	0487095	FORD	417020	05071VB	TRSCM	8792S
0418-6263LA	JN-MN	415295	04504168LUP	JN-MN	327303!	0487108	FORD	471551!	05081VC	TRSCM	342613!
0418-8808LUP	JN-MN	417513	04506100LPD	JN-MN	416153!	0487134	FORD	471570!	050821VAY	TRSCM	330699
0418-9800LPD	JN-MN	455194	0452-16926LPD	JN-MN 115X140X12		0487142	FORD	471651	05082SZ	TRSCM	330699!
042024	ALLCH	472015!	0456-15070LPD	JN-MN	417533	0487162	FORD	476838!	05082TB	TRSCM	330699!
04240AB	CASE	472287!	0456-16816LUP	JN-MN	417533	048717	ALLCH	471762!	05082VAY	TRSCM	340771
04243AB	CASE	471554!	0461006	LILIS	204035	0487176	FORD	473426	05082VB	TRSCM	342613!
04244AB	CASE	471466!	04612AB	CASE	470530!	048718	ALLCH	472826!	05086AB	CASE	471224!
0425-10073LPD	JN-MN	416556	0461CS	CASE	450311	0487188	FORD	471766!	05092TB	TRSCM	471442
0425-10073LPD	JN-MN	472157	0462-10132LPD	JN-MN	415371	048719	ALLCH	473436	05092TB	TRSCM	471442!
0425-10334LPD	JN-MN	416891!	0462-10154LUP	JN-MN	456641*	0487196	FORD	471354!	0511-15033LPD	JN-MN 130X160X12	
0425-11140SS	JN-MN	416556!	0462-11368LUP	JN-MN	416156	048720	ALLCH	471785!	0511-18529LUP	JN-MN 130X160X12	
0425-11140SS	JN-MN	472157	0462-13173LDS	JN-MN	416156	048720	FORD	471554!	05112TB	TRSCM	471526!
0425-11758LUP	JN-MN	55333=	0462-16605LUP	JN-MN	456641	0487234	FORD	455136	05113SA	TRSCM	471281!
0425-13772LPD	JN-MN	415058	0462-5193LPD	JN-MN	416156*	048726	ALLCH	471646!	051145	ALLCH	471205!
0425-15628LDS	JN-MN	416891!	0462-5594LUP	JN-MN	415371	0487296	FORD	470625!	05115	JAC	450557
0425-16598LUP	JN-MN	416135!	0462-6677LA	JN-MN	455685	048730	ALLCH	473228	05115	JAC	471255!
0425-7040LUP	JN-MN	472157!	0462-8811LUP	JN-MN	415064	0487302	FORD	470059	051154200	EATON	415064
0425-7040LUP	JN-MN	472157	0462-9361LPD	JN-MN	416158	0487302	FORD	470380!	0512-10017LPD	JN-MN	417546!
0425-7187LUP	JN-MN	472157!	0467SC	CASE	240735	048731	ALLCH	471689!	0512-13595LDS	JN-MN	417546!
0425-7187LUP	JN-MN	472157	0468-12861LPD	JN-MN	415284	0487310	FORD	471820	0512-7335LPD	JN-MN	417547
0425-8809LPD	JN-MN	415045!	0468-6743LA	JN-MN	417536	0487336	FORD	472439	051206	GEHL	471766

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
05122SB	TRSCM	471472!	052-1872	BE-AR	224252	052-3175	BE-AR	444116	052-3284	BE-AR	3395!
05122SB	TRSCM	5133	052-1930	BE-AR	1906	052-3176	BE-AR	1884	052-3285	BE-AR	3771
05122TC	TRSCM	471472	052-2003	BE-AR	1021V	052-3184	BE-AR	710076	052-3286	BE-AR	228010
05132SB	TRSCM	471549!	052-2003	BE-AR	BS40265	052-3186	BE-AR	494117	052-3286	BE-AR	BS40252
05134TA	TRSCM	471551!	052-2037	BE-AR	223014	052-3189	BE-AR	1939	052-3288	BE-AR	223340
051461	ALLCH	476470!	052-2052	BE-AR	223535	052-3191	BE-AR	229210	052-3289	BE-AR	223420
051461	ALLCH	476470	052-2060	BE-AR	223014	052-3192	BE-AR	1172	052-3290	BE-AR	1973
051461	SPICE	476470!	052-2086	BE-AR	1960	052-3192	BE-AR	TCS45725	052-3295	BE-AR	239134
051461	SPICE	476470	052-2128	BE-AR	224052	052-3193	BE-AR	1884	052-3296	BE-AR	1939
05152B	CASE	340413	052-2177	BE-AR	227045	052-3196	BE-AR	4990	052-3298	BE-AR	224462
051568	ALLCH	471224	052-2193	BE-AR	228010	052-3197	BE-AR	710323	052-3301	BE-AR	3772
0518-7336LPD	JN-MN	417548	052-2201	BE-AR	1956	052-3199	BE-AR	1019	052-3302	BE-AR	3476
0518-8826LPD	JN-MN	417548	052-2250	BE-AR	710329	052-3199	BE-AR	BS40387	052-3303	BE-AR	225230
051810	VICK	350364	052-2268	BE-AR	227410	052-3200	BE-AR	1038	052-3304	BE-AR	225082
051815	VICK	330385!	052-2284	BE-AR	1952	052-3201	BE-AR	331227H	052-3306	BE-AR	223018
051825	VICK	472810!	052-2334	BE-AR	472439*	052-3202	BE-AR	3394	052-3308	BE-AR	1174
051835	VICK	471472!	052-2359	BE-AR	3698	052-3204	BE-AR	3945	052-3309	BE-AR	225875
051840	VICK	471535!	052-2359	BE-AR	BS40382	052-3205	BE-AR	473573	052-3310	BE-AR	225650*
051850	VICK	471538!	052-2367	BE-AR	1950	052-3208	BE-AR	473258	052-3311	BE-AR	224220
051860	VICK	471267!	052-2391	BE-AR	228005	052-3210	BE-AR	228005	052-3312	BE-AR	222510
05187AB	CASE	471570!	052-2433	BE-AR	1992	052-3212	BE-AR	223540	052-3315	BE-AR	225650
05187AB-D	CASE	471570!	052-2441	BE-AR	473823	052-3214	BE-AR	228010	052-3316	BE-AR	228009
052-0056	BE-AR	1196	052-2466	BE-AR	1949	052-3214	BE-AR	BS40252	052-3318	BE-AR	224400
052-0072	BE-AR	227235	052-2474	BE-AR	473812	052-3215	BE-AR	229005	052-3321	BE-AR	225530
052-0098	BE-AR	1192	052-2482	BE-AR	473179!	052-3215	BE-AR	229006	052-3323	BE-AR	229005
052-0122	BE-AR	1996	052-2508	BE-AR	228020	052-3218	BE-AR	229005	052-3324	BE-AR	223012
052-0148	BE-AR	473238!	052-2524	BE-AR	1128	052-3218	BE-AR	BS16144	052-3324	BE-AR	TCS45724
052-0155	BE-AR	482126	052-2649	BE-AR	1999	052-3221	BE-AR	1906	052-3328	BE-AR	710097
052-0189	BE-AR	1110	052-2664	BE-AR	1959	052-3222	BE-AR	3772	052-3329	BE-AR	710331
052-0197	BE-AR	1110	052-2680	BE-AR	226285	052-3223	BE-AR	473454	052-3330	BE-AR	710332
052-0205	BE-AR	471224!	052-2680	BE-AR	62X85X8!	052-3224	BE-AR	227410	052-3331	BE-AR	320595
052-0221	BE-AR	239128	052-2706	BE-AR	1959	052-3224	BE-AR	BS40268	052-3332	BE-AR	228015
052-0239	BE-AR	5778	052-2714	BE-AR	710331	052-3225	BE-AR	1990	052-3333	BE-AR	710215
052-0270	BE-AR	470487!	052-2722	BE-AR	1108	052-3227	BE-AR	334111	052-3335	BE-AR	5700
052-0288	BE-AR	239127	052-2748	BE-AR	473367	052-3228	BE-AR	228410	052-3336	BE-AR	225650
052-0296	BE-AR	473454	052-2763	BE-AR	710315	052-3229	BE-AR	223602	052-3337	BE-AR	716102
052-0312	BE-AR	473454	052-2771	BE-AR	223580	052-3230	BE-AR	228010	052-3338	BE-AR	710072
052-0346	BE-AR	471224!	052-2789	BE-AR	1981	052-3231	BE-AR	1986	052-3340	BE-AR	224772
052-0379	BE-AR	9161	052-2797	BE-AR	227409	052-3232	BE-AR	222540	052-3341	BE-AR	1937
052-0403	BE-AR	224320	052-2813	BE-AR	1147	052-3234	BE-AR	224835	052-3343	BE-AR	1180
052-0437	BE-AR	1192	052-2854	BE-AR	1960	052-3235	BE-AR	224460	052-3344	BE-AR	710092
052-0460	BE-AR	472397!	052-2862	BE-AR	223535	052-3236	BE-AR	474161	052-3345	BE-AR	1948
052-0478	BE-AR	472164!	052-2870	BE-AR	224100	052-3239	BE-AR	481826	052-3346	BE-AR	222630
052-0593	BE-AR	473238!	052-2888	BE-AR	474134	052-3239	BE-AR	4989	052-3347	BE-AR	224254
052-0593	BE-AR	9912	052-2896	BE-AR	227230	052-3241	BE-AR	474134	052-3348	BE-AR	710098
052-0627	BE-AR	1873	052-2904	BE-AR	494122	052-3242	BE-AR	1126	052-3349	BE-AR	225225
052-0635	BE-AR	473228!	052-2946	BE-AR	1126	052-3243	BE-AR	224026	052-3350	BE-AR	710148
052-0643	BE-AR	239129	052-2961	BE-AR	482126	052-3244	BE-AR	225650	052-3351	BE-AR	473677
052-0676	BE-AR	473234!	052-3001	BE-AR	1176	052-3245	BE-AR	1985	052-3352	BE-AR	1975
052-0700	BE-AR	710189	052-3043	BE-AR	1906	052-3247	BE-AR	2025	052-3354	BE-AR	239155
052-0726	BE-AR	472164!	052-3092	BE-AR	1938	052-3249	BE-AR	716102	052-3355	BE-AR	225035
052-0767	BE-AR	472492!	052-3100	BE-AR	494117	052-3250	BE-AR	716102	052-3356	BE-AR	1953
052-0809	BE-AR	472397!	052-3118	BE-AR	222540	052-3251	BE-AR	1177	052-3357	BE-AR	482126
052-0841	BE-AR	471224!	052-3126	BE-AR	222220	052-3252	BE-AR	223801!	052-3360	BE-AR	482126
052-0890	BE-AR	471192	052-3134	BE-AR	1943	052-3253	BE-AR	223842	052-3361	BE-AR	473677
052-1146	BE-AR	224025	052-3136	BE-AR	1177	052-3254	BE-AR	1177	052-3362	BE-AR	224520
052-1161	BE-AR	472213	052-3139	BE-AR	3476	052-3256	BE-AR	1960	052-3363	BE-AR	224520
052-1187	BE-AR	1994	052-3140	BE-AR	716445	052-3257	BE-AR	1176	052-3365	BE-AR	716102
052-1245	BE-AR	3771	052-3147	BE-AR	222242	052-3258	BE-AR	227045	052-3366	BE-AR	1994
052-1328	BE-AR	710324	052-3149	BE-AR	1217	052-3259	BE-AR	1956	052-3369	BE-AR	1174
052-1369	BE-AR	1195	052-3152	BE-AR	1967	052-3261	BE-AR	413818	052-3370	BE-AR	1936
052-1401	BE-AR	1167	052-3153	BE-AR	1209	052-3265	BE-AR	710060	052-3371	BE-AR	710126
052-1434	BE-AR	1183	052-3155	BE-AR	1195	052-3265	BE-AR	BS40449	052-3372	BE-AR	710073
052-1435	BE-AR	1977	052-3158	BE-AR	1962	052-3268	BE-AR	1209	052-3374	BE-AR	225875
052-1450	BE-AR	1188	052-3161	BE-AR	2002	052-3269	BE-AR	225500	052-3376	BE-AR	1973
052-1468	BE-AR	1188	052-3167	BE-AR	2016	052-3270	BE-AR	239201	052-3377	BE-AR	710094
052-1484	BE-AR	1183	052-3168	BE-AR	2003N!	052-3271	BE-AR	1960	052-3379	BE-AR	710310
052-1542	BE-AR	1974	052-3169	BE-AR	1173	052-3273	BE-AR	3677	052-3380	BE-AR	710310
052-1658	BE-AR	1979	052-3170	BE-AR	32X58X8!	052-3274	BE-AR	4099	052-3381	BE-AR	224820
052-1773	BE-AR	58X72X8	052-3171	BE-AR	2016	052-3277	BE-AR	1973	052-3382	BE-AR	223840
052-1781	BE-AR	1996	052-3173	BE-AR	712011	052-3280	BE-AR	223035	052-3383	BE-AR	710152
052-1799	BE-AR	1984	052-3174	BE-AR	1979	052-3281	BE-AR	5695	052-3385	BE-AR	224560

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
052-3386	BE-AR	223831	052-3468	BE-AR	228010	052-3560	BE-AR	710109	052-3648	BE-AR	1987
052-3387	BE-AR	225650	052-3469	BE-AR	710193	052-3562	BE-AR	710132	052-3649	BE-AR	1990
052-3388	BE-AR	710308	052-3470	BE-AR	222267	052-3563	BE-AR	710133	052-3650	BE-AR	222330
052-3389	BE-AR	223520!	052-3472	BE-AR	710234	052-3564	BE-AR	224026	052-3652	BE-AR	223750
052-3391	BE-AR	3771	052-3473	BE-AR	710194	052-3565	BE-AR	710435	052-3653	BE-AR	223010
052-3392	BE-AR	228700	052-3474	BE-AR	1953	052-3566	BE-AR	710127	052-3654	BE-AR	224052
052-3395	BE-AR	3227	052-3475	BE-AR	710192	052-3568	BE-AR	710176	052-3655	BE-AR	710271
052-3396	BE-AR	9613S	052-3476	BE-AR	320595	052-3569	BE-AR	710225	052-3656	BE-AR	710188
052-3397	BE-AR	710107	052-3478	BE-AR	223420	052-3570	BE-AR	4899	052-3657	BE-AR	710189
052-3398	BE-AR	710072	052-3479	BE-AR	710228	052-3571	BE-AR	710183	052-3658	BE-AR	710415
052-3399	BE-AR	710093	052-3480	BE-AR	224066	052-3572	BE-AR	710182	052-3659	BE-AR	224650
052-3400	BE-AR	223550	052-3481	BE-AR	239146	052-3575	BE-AR	710130	052-3660	BE-AR	473179
052-3401	BE-AR	222240	052-3483	BE-AR	5694	052-3576	BE-AR	710129	052-3661	BE-AR	223018
052-3402	BE-AR	710126	052-3484	BE-AR	1174	052-3580	BE-AR	223535	052-3662	BE-AR	225230
052-3403	BE-AR	4898	052-3485	BE-AR	226150	052-3581	BE-AR	223552	052-3663	BE-AR	1932
052-3404	BE-AR	473677	052-3486	BE-AR	710178*	052-3582	BE-AR	223018	052-3664	BE-AR	710143
052-3405	BE-AR	225872	052-3487	BE-AR	710266	052-3583	BE-AR	224840	052-3665	BE-AR	223552
052-3406	BE-AR	224510	052-3488	BE-AR	494123*	052-3586	BE-AR	225673	052-3666	BE-AR	223018
052-3407	BE-AR	239128	052-3490	BE-AR	1932	052-3589	BE-AR	224020	052-3667	BE-AR	225460
052-3408	BE-AR	710108	052-3491	BE-AR	710191	052-3590	BE-AR	229210	052-3668	BE-AR	710109
052-3412	BE-AR	710168	052-3492	BE-AR	710176*	052-3591	BE-AR	223802	052-3669	BE-AR	710289
052-3414	BE-AR	3459	052-3493	BE-AR	4899	052-3592	BE-AR	225010	052-3671	BE-AR	473179
052-3415	BE-AR	320583	052-3494	BE-AR	224870	052-3593	BE-AR	225010	052-3672	BE-AR	710293
052-3416	BE-AR	223845	052-3495	BE-AR	225775	052-3595	BE-AR	223543!	052-3673	BE-AR	710394
052-3416	BE-AR	224462	052-3496	BE-AR	1974	052-3596	BE-AR	710240	052-3674	BE-AR	710289
052-3417	BE-AR	224462	052-3497	BE-AR	225275	052-3597	BE-AR	4175	052-3675	BE-AR	227235
052-3418	BE-AR	1974	052-3499	BE-AR	1935	052-3599	BE-AR	710060	052-3676	BE-AR	710324
052-3421	BE-AR	224020	052-3500	BE-AR	226610	052-3600	BE-AR	712008	052-3677	BE-AR	1974
052-3422	BE-AR	224205	052-3501	BE-AR	225010	052-3601	BE-AR	229010	052-3678	BE-AR	710226
052-3423	BE-AR	1981	052-3502	BE-AR	225010	052-3602	BE-AR	320595	052-3679	BE-AR	710125
052-3424	BE-AR	228008	052-3503	BE-AR	223802	052-3603	BE-AR	710229	052-3680	BE-AR	710394
052-3425	BE-AR	1120	052-3504	BE-AR	222745	052-3604	BE-AR	710231	052-3687	BE-AR	712938
052-3426	BE-AR	223220	052-3505	BE-AR	222745	052-3605	BE-AR	1181	052-3710	BE-AR	226285
052-3427	BE-AR	320564	052-3506	BE-AR	223540	052-3606	BE-AR	710289	052-3713	BE-AR	710352
052-3428	BE-AR	228009	052-3507	BE-AR	710124	052-3607	BE-AR	224052	052-3715	BE-AR	710332
052-3429	BE-AR	473823	052-3508	BE-AR	1036	052-3608	BE-AR	1940	052-3715	SPG	710332
052-3429	BE-AR	710305	052-3509	BE-AR	223050	052-3609	BE-AR	710288	052-3717	BE-AR	710255
052-3430	BE-AR	1960	052-3510	BE-AR	223050	052-3610	BE-AR	1019	052-3733	BE-AR	BS40667
052-3431	BE-AR	225673	052-3513	BE-AR	223543!	052-3612	BE-AR	229210	052-3735	BE-AR	231004
052-3432	BE-AR	4898	052-3514	BE-AR	710118	052-3613	BE-AR	710373	052-3736	BE-AR	231052
052-3433	BE-AR	710131	052-3515	BE-AR	710134	052-3614	BE-AR	710166	052-3739	BE-AR	4249
052-3434	BE-AR	1964	052-3516	BE-AR	223543!	052-3615	BE-AR	710112	052-3741	BE-AR	710356
052-3435	BE-AR	223830	052-3517	BE-AR	223580	052-3616	BE-AR	223750	052-3742	BE-AR	710060
052-3436	BE-AR	1928	052-3518	BE-AR	710332	052-3617	BE-AR	228250	052-3743	BE-AR	710302
052-3437	BE-AR	1993	052-3518	BE-AR	TCS45719	052-3618	BE-AR	224660	052-3744	BE-AR	2012V
052-3438	BE-AR	225673	052-3519	BE-AR	710150	052-3619	BE-AR	224460	052-3925	BE-AR	229005
052-3440	BE-AR	224235	052-3520	BE-AR	2007N	052-3620	BE-AR	224052	0520023	BE-AR	224835
052-3441	BE-AR	226530	052-3521	BE-AR	223240	052-3621	BE-AR	710292	0520023	BE-AR	48X68X10!
052-3442	BE-AR	710070	052-3522	BE-AR	710109	052-3622	BE-AR	710439	0520031	BE-AR	224835
052-3443	BE-AR	225082*	052-3523	BE-AR	710110	052-3623	BE-AR	1217	0520031	BE-AR	48X68X10!
052-3444	BE-AR	225230	052-3525	BE-AR	710110	052-3624	BE-AR	3459	0520064	BE-AR	1955
052-3447	BE-AR	1941	052-3526	BE-AR	223540	052-3625	BE-AR	229005	0520064	BE-AR	52X65X9!
052-3448	BE-AR	225875	052-3527	BE-AR	712551	052-3626	BE-AR	350609	0520114	BE-AR	1012
052-3449	BE-AR	225020	052-3528	BE-AR	710112	052-3627	BE-AR	223540	0520114	BE-AR	1012N
052-3449	BE-AR	TCS45727	052-3529	BE-AR	223540	052-3628	BE-AR	1979	0520114	BE-AR	45X62X8!
052-3450	BE-AR	222556	052-3531	BE-AR	224066	052-3629	BE-AR	223230	0520130	BE-AR	1174
052-3452	BE-AR	225008	052-3532	BE-AR	223543!	052-3630	BE-AR	224205	0520130	BE-AR	38X52X8.5!
052-3453	BE-AR	225535	052-3533	BE-AR	223543!	052-3631	BE-AR	1979	0520163	BE-AR	224045
052-3454	BE-AR	224200	052-3534	BE-AR	223553	052-3632	BE-AR	713771	0520163	BE-AR	40X62X12!
052-3455	BE-AR	710158	052-3537	BE-AR	710123	052-3633	BE-AR	223802	0520536	BE-AR	223510
052-3456	BE-AR	710159	052-3541	BE-AR	224052	052-3634	BE-AR	223750	0520536	BE-AR	35X47X7!
052-3457	BE-AR	473812	052-3542	BE-AR	225545	052-3635	BE-AR	3771	0520544	BE-AR	239146
052-3458	BE-AR	225450	052-3545	BE-AR	224045	052-3636	BE-AR	224460	0520544	BE-AR	38X54X7!
052-3459	BE-AR	473179!	052-3547	BE-AR	710199	052-3637	BE-AR	710288	0520684	BE-AR	224820
052-3460	BE-AR	1012N	052-3549	BE-AR	224520	052-3638	BE-AR	710290	0520684	BE-AR	48X62X8!
052-3460	BE-AR	224662	052-3550	BE-AR	1147	052-3639	BE-AR	710436	0520817	BE-AR	1174
052-3461	BE-AR	4904	052-3552	BE-AR	710122	052-3640	BE-AR	710236	0520817	BE-AR	38X52X8.5!
052-3462	BE-AR	710175	052-3554	BE-AR	5604	052-3642	BE-AR	710306	0520957	BE-AR	1214
052-3463	BE-AR	710239	052-3556	BE-AR	224026	052-3643	BE-AR	223608	0520957	BE-AR	1214N
052-3464	BE-AR	224820	052-3557	BE-AR	223542	052-3646	BE-AR	224210	0520965	BE-AR	1213N
052-3465	BE-AR	225230	052-3558	BE-AR	710110	052-3647	BE-AR	223840*	0521088	BE-AR	2001
052-3466	BE-AR	3771	052-3559	BE-AR	710109	052-3647	BE-AR	710319	0521088	BE-AR	60X82X12!

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
0521088	BE-AR	BS27493	0522227	BE-AR	52X72X8!	0523143	BE-AR	224252	0523446	BE-AR	1012N
0521096	BE-AR	2001	0522276	BE-AR	1953	0523143	BE-AR	42X62X8!	0523585	BE-AR	1205
0521096	BE-AR	60X82X12!	0522276	BE-AR	42X60X7!	0523145	BE-AR	227040	0523585	BE-AR	1205N
0521096	BE-AR	BS27493	0522292	BE-AR	1953	0523145	BE-AR	70X90X10!	0523611	BE-AR	228005
0521112	BE-AR	228010	0522292	BE-AR	42X60X7!	0523148	BE-AR	224045	0523611	BE-AR	710235
0521179	BE-AR	1994	0522318	BE-AR	BS16144	0523148	BE-AR	40X62X12!	0523641	BE-AR	223830
0521179	BE-AR	48X70X9!	0522322	BE-AR	TCS45860	0523150	BE-AR	239146	0523645	BE-AR	225005
0521195	BE-AR	222510	0522375	BE-AR	1948	0523150	BE-AR	38X54X7!	0523651	BE-AR	1940
0521195	BE-AR	25X35X7!	0522375	BE-AR	50X68X8!	0523154	BE-AR	1174	0523651	BE-AR	TCS45968
0521203	BE-AR	224100	0522417	BE-AR	1012	0523154	BE-AR	38X52X8.5!	0523670	BE-AR	710235
0521203	BE-AR	40X65X10!	0522417	BE-AR	1012N	0523156	BE-AR	1012	0523670	BE-AR	BS40638
0521211	BE-AR	224052	0522425	BE-AR	225005	0523156	BE-AR	1012N	0523723	BE-AR	BS40387
0521211	BE-AR	40X52X7!	0522425	BE-AR	50X62X7!	0523157	BE-AR	1208	052392	ALLCH	417316!
0521260	BE-AR	222820	0522458	BE-AR	1994	0523157	BE-AR	48X72X7!	0525-14634LPD	JN-MN	415645!
0521260	BE-AR	28X40X7!	0522458	BE-AR	48X70X9!	0523172	BE-AR	223555	0525-7042LUP	JN-MN	417262!
0521286	BE-AR	222540	0522490	BE-AR	225020	0523172	BE-AR	35X64X8!	0525-7112LUP	JN-MN	415645!
0521286	BE-AR	25X40X7!	0522490	BE-AR	50X68X8!	0523178	BE-AR	1987	0525-9964LPD	JN-MN	417549!
0521377	BE-AR	1174	0522532	BE-AR	48X62X8!	0523178	BE-AR	TCS45424	052640	ALLCH	417166!
0521377	BE-AR	38X52X8.5!	0522532	BE-AR	710320	0523179	BE-AR	223235	052662	ALLCH	240735
0521419	BE-AR	224052	0522540	BE-AR	224820	0523179	BE-AR	32X46X6!	052794	GMC	470682
0521419	BE-AR	40X52X7!	0522540	BE-AR	48X62X8!	0523181	BE-AR	224820	052835	GMC	50075=
0521443	BE-AR	224865	0522581	BE-AR	224020	0523181	BE-AR	48X62X8!	0529000	BE-AR	16214
0521443	BE-AR	48X65X10!	0522581	BE-AR	40X55X8!	0523182	BE-AR	225110	0529001	BE-AR	16266
0521476	BE-AR	1174	0522599	BE-AR	226480	0523182	BE-AR	51X65X7!	053219	GMC	473226
0521476	BE-AR	38X52X8.5!	0522599	BE-AR	64X80X8!	0523185	BE-AR	223605	053243	ALLCH	240736
0521500	BE-AR	224235	0522607	BE-AR	227020	0523185	BE-AR	36X50X7!	053279	GMC	471735
0521500	BE-AR	42X58X7!	0522607	BE-AR	70X88X8!	0523187	BE-AR	222820	053496	ALLCH	417343!
0521518	BE-AR	224235	0522615	BE-AR	48X70X9!	0523187	BE-AR	28X40X7!	053506	ALLCH	55199=
0521518	BE-AR	42X58X7!	0522615	BE-AR	710313	0523195	BE-AR	223510	053517	ALLCH	417205!
0521534	BE-AR	224045	0522623	BE-AR	228020	0523195	BE-AR	35X47X7!	053670	ALLCH	417316!
0521534	BE-AR	40X62X12!	0522623	BE-AR	80X105X13!	0523198	BE-AR	1213N	0537-10598LUP	JN-MN	417551
0521559	BE-AR	224270	0522656	BE-AR	BS16144	0523203	BE-AR	224220	0537-12089LPD	JN-MN	415938
0521559	BE-AR	42X72X10!	0522672	BE-AR	55X82X12!	0523203	BE-AR	42X56X7!	0537-16549LUP	JN-MN	455576!
0521567	BE-AR	224045	0522698	BE-AR	38X58X8!	0523203	BE-AR	494117	0537-7193LPD	JN-MN	417554!
0521567	BE-AR	40X62X12!	0522698	BE-AR	710318	0523203	BE-AR	TCS45473	053926	ALLCH	240731
0521575	BE-AR	223542	0522730	BE-AR	1012	0523209	BE-AR	224570	053927	ALLCH	240733
0521575	BE-AR	35X55X11!	0522730	BE-AR	1012N	0523209	BE-AR	45X72X12!	054-115-147B	AUDI	1108
0521583	BE-AR	1181	0522755	BE-AR	1990	0523211	BE-AR	224255	054074	ALLCH	416271!
0521583	BE-AR	41X56X7!	0522755	BE-AR	TCS45718	0523211	BE-AR	42X65X10!	054270	ALLCH	412119!
0521609	BE-AR	224520	0522805	BE-AR	223553	0523213	BE-AR	224252	054295	ALLCH	411394!
0521609	BE-AR	45X60X10!	0522805	BE-AR	35X62X7!	0523213	BE-AR	42X62X8!	0543-6764LA	JN-MN	55357
0521617	BE-AR	1012	0522839	BE-AR	1012	0523219	BE-AR	1955	05439	JAC	481073
0521617	BE-AR	1012N	0522839	BE-AR	1012N	0523219	BE-AR	52X65X9!	05485	NATEN	417539!
0521617	BE-AR	45X62X8!	0522839	BE-AR	45X62X8!	0523220	BE-AR	225460	0550-10302LPD	JN-MN	417361
0521633	BE-AR	1012	0522847	BE-AR	226020	0523220	BE-AR	54X85X10!	0550-14438LPD	JN-MN	416191
0521633	BE-AR	1012N	0522847	BE-AR	60X80X8!	0523226	BE-AR	224470	0550-1684LPD	JN-MN	416107!
0521633	BE-AR	45X62X8!	0522912	BE-AR	225010	0523226	BE-AR	44X72X10!	0550-1684LPD	JN-MN	455073
0521674	BE-AR	1187	0522912	BE-AR	50X65X8!	0523238	BE-AR	225875	0550-2662LPD	JN-MN	416107!
0521674	BE-AR	47X68X10!	0522920	BE-AR	225010	0523238	BE-AR	58X75X11!	0550-4825LUP	JN-MN	476842*
052173	GEHL	471516!	0522920	BE-AR	50X65X8!	0523240	BE-AR	225110	0550-5926LUP	JN-MN	417254*
052176	ALLCH	415035	0522938	BE-AR	38X52X8.5!	0523240	BE-AR	51X65X7!	0550-7186LUP	JN-MN	416107!
0521906	BE-AR	35X50X8!	0522938	BE-AR	710309	0523248	BE-AR	1994	0550-7186LUP	JN-MN	455073
0521906	BE-AR	3771	0522953	BE-AR	224235	0523248	BE-AR	48X70X9!	055000919	EATON	471466!
0521948	BE-AR	BS25031	0522953	BE-AR	42X58X7!	0523255	BE-AR	223840	05506270LA	JN-MN	417254
0521989	BE-AR	223830	0522995	BE-AR	223830	0523255	BE-AR	38X58X8!	055078SSR	SPG	55078S
0521989	BE-AR	38X55X7!	0522995	BE-AR	38X55X7!	0523263	BE-AR	224045	0551-15201SS	JN-MN	231404*
0522045	BE-AR	224220	0523019	BE-AR	1012	0523263	BE-AR	40X62X12!	055231	ALLCH	472070
0522045	BE-AR	42X56X7!	0523019	BE-AR	1012N	0523291	BE-AR	222820	055281	GEHL	473440
0522045	BE-AR	494117	0523019	BE-AR	45X62X8!	0523291	BE-AR	28X40X7!	055282	GEHL	472179
0522136	BE-AR	224210	0523027	BE-AR	225505	0523292	BE-AR	223801!	055283	GEHL	413248
0522136	BE-AR	41X55X7!	0523027	BE-AR	55X70X8!	0523294	BE-AR	1992	055391	ALLCH	470625!
0522144	BE-AR	224560	0523050	BE-AR	224220	0523294	BE-AR	45X65X8!	055392	ALLCH	471567!
0522144	BE-AR	45X68X7!	0523050	BE-AR	42X56X7!	0523322	BE-AR	223420	055941	GMC	415960
0522151	BE-AR	224820	0523050	BE-AR	494117	0523322	BE-AR	TCS45860	056-103-051A	AUDI	228480
0522151	BE-AR	48X62X8!	0523135	BE-AR	223542	0523327	BE-AR	224210	056-103-051A	VW	228480
0522169	BE-AR	1955	0523135	BE-AR	35X55X11!	0523327	BE-AR	42X55X8!	056-103-051D	AUDI	716102
0522169	BE-AR	52X65X9!	0523137	BE-AR	1945	0523390	BE-AR	710334	056-103-051D	PORSC	716102
0522185	BE-AR	227550	0523137	BE-AR	228480	0523439	BE-AR	1207	056-103-085	PORSC	3476
0522185	BE-AR	75X100X12!	0523138	BE-AR	716102	0523439	BE-AR	1207N	056-103-085	VW	3476
0522219	BE-AR	225420	0523138	BE-AR	85X105X10!	0523445	BE-AR	1205	056-103-085B	PORSC	3476
0522219	BE-AR	54X72X10!	0523142	BE-AR	227040	0523445	BE-AR	1205N	056-103-085B	VW	3476
0522227	BE-AR	225230	0523142	BE-AR	70X90X10!	0523446	BE-AR	1012	05602404	TROS	350156

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
05602404	TROS	473096	06010AB	CASE	450621	06435606	ALLCH	471267!	068-198-171A	AUDI	716102
05602405	TROS	350156	06017AB	CASE	473466	064474	GEHL	471504!	068-198-171A	VW	716102
05602405	TROS	473096	06030027	ALLCH	476838!	064551	EATON	410737!	068103051G	VW	716102
05602804	TROS	472810!	06030076	ALLCH	471795	06486203	ALLCH	416345!	068103051L	VW	716102
05603104	TROS	340771	06034623	ALLCH	473016!	06486203	ALLCH	455033	068112SB	TRSCM	471529
05603204	TROS	342613!	06049738	ALLCH	416888!	06492664	ALLCH	415995!	068112TC	TRSCM	471529
05603205	TROS	342613!	060504AB	CASE	410308!	0650-10267LUP	JN-MN	415294!	068118	AUTOZ	TCS45108
05604002	TROS	340849	06075AB	CASE	471646!	0650-10715LUP	JN-MN	415294!	068122SB	TRSCM	471538!
056092SB	TRSCM	472705!	060775	ALLCH	471267!	0650-12772LUP	JN-MN	415294!	068122TZ	TRSCM	471538!
056103051D	VW	716102	060809VC	TRSCM	340387	0650-16762LDS	JN-MN	416229	068128	AUTOZ	TCS45285
056112TB	TRSCM	471281!	06081SM	TRSCM	253747!	0650-8950LUP	JN-MN	416229	068132SB	TRSCM	471553!
056122TB	TRSCM	471535!	06081SM	TRSCM	340849	06504AB	CASE	410308!	068133TC	TRSCM	471553!
056132TB	TRSCM	471551!	06081VM	TRSCM	340387	06506778	ALLCH	471529	068135	AUTOZ	TCS45472
0562-10152LUP	JN-MN	417556	0608722	GMC	471224!	065089404	WHITE	471554!	068137	AUTOZ	TCS45473
0562-16720LDS	JN-MN	417555!*	0609108	THIOK	415960	065089406	WHITE	471808!	068139	AUTOZ	TCS45483
0562-60015LDS	JN-MN	417556	06091VB	TRSCM	343105	065097801	WHITE	J1134	068145B	TRSCM	471579
0562-6533LPD	JN-MN	417555!	060920	ALLCH	416664!	065101101	WHITE	415053H=	068160	AUTOZ	TCS45603
05620006	JA-HE	472924!	06092TB	TRSCM	351487	065101102	WHITE	417269!	068168	AUTOZ	TCS45635
05620007	JA-HE	473213!	06092TB	TRSCM	7188S	065112SB	TRSCM	481528	068181	AUTOZ	TCS45724
05620008	JA-HE	471271!	06092VB	TRSCM	7188S	065117401	WHITE	415185H=	068200	AUTOZ	TCS45847
05620009	JA-HE	471646!	060931VB	TRSCM	7399S!	065122SB	TRSCM	481537	068326	AUTOZ	35094
05620010	JA-HE	350942	06101PVB	TRSCM	314267N	06512990	ALLCH	415483	068376	AUTOZ	35394
0572106	EATON	411253!	06111SB	TRSCM	474261	065133SB	TRSCM	481073	068513	ALLCH	472144!
05727AB	CASE	471763	06112SB	TRSCM	471466	065136001	WHITE	417621	0687-14128LDS	JN-MN	455584
057288	ALLCH	472636!	06112TB	TRSCM	471466	065139901	WHITE	416345=	0687-19138LUP	JN-MN	455584*
0575-10303LUP	JN-MN	416666	06112TB	TRSCM	471466!	065152TB	TRSCM	481397	069-115-147	AUDI	1108
0575-12423LUP	JN-MN	416039	06112VTB	TRSCM	471466!	06522402	WHITE	J1135=	06946AB	CASE	473424!
0575-14915LPD	JN-MN	416666	06113TA	TRSCM	471466!	065611500	EATON	471466!	06949AB	CASE	473424!
0575-15839LUP	JN-MN	415447	06117618	ALLCH	415035	06581144	ALLCH	415449	069641	ALLCH	330385!
0575-18542LUP	JN-MN	417362!*	0612-10311LUP	JN-MN	455330!	06589428	ALLCH	476470!	069749	GMC	473211!
0575-8822LPD	JN-MN	417362!	0612-10381LPD	JN-MN	455330!	0661010	LILIS	471692!	069897	GMC	471192
0575-9165LUP	JN-MN	416666	06122TB	TRSCM	471264!	066111SB	TRSCM	481481	06M5026901	WHITE	J1127
0575-9548LUP	JN-MN	417362!	0612B	GOODM	471567!	066122VB	TRSCM	471538	06M5050101	WHITE	J1121
057541100	EATON	415725!	06132TB	TRSCM	471255!	0662-8431LPD	JN-MN	417298	06M5572501	WHITE	473237!
057548	ALLCH	415045!	06132TB	TRSCM	471255	066309	ALLCH	476470	06X5422301	WHITE	J1126
05757	NAK	13X28X7!	06132VTB	TRSCM	471255	06680334	ALLCH	340771	06X5422601	WHITE	415196!
058519	REX	295200=	06134SSTB	TRSCM	471255	066860	ALLCH	415035	0700-10063LPD	JN-MN	416364!
058519	REX	416888!	061352	ALLCH	473179!	06707	NAK	125X170X15	0700-11577LPD	JN-MN	416239!
058531	NATEN	471766!	06136	NAK	300X340X20	0672-E498	GM	OK311	0700-13240LDS	JN-MN	416364!*
058531	REX	471766!	061374SSTZN	TRSCM	450557	0672-F013	GM	OK411	0700-17062LUP	JN-MN	471597
05861AB	CASE	474264	06152SZ	TRSCM	471612	06739833	ALLCH	415349=	0700-17746LDS	JN-MN	416239!*
0587-13816LPD	JN-MN	455297	061607A	HARWA	6X16X7	0675-10062LUP	JN-MN	417596	0700-6840LUP	JN-MN	417597
0587-9654LUP	JN-MN	416476!	061696	ALLCH	415995!	0675-12078LPD	JN-MN	417596	0700-6862LPD	JN-MN	416364!
058876	ALLCH	415379	0618-4864LUP	JN-MN	455583N!	0675-14821LDS	JN-MN	415327	0700-9304LUP	JN-MN	416239!
059-103-051D	AUDI	710205	06186621	ALLCH	470954!	0675-16763LDS	JN-MN	417596	0704-0015	GM	470334!
059-103-051D	PORSC	710205	06198881	ALLCH	472179	0675-18711LPD	JN-MN	417596	0704-0015	GM	50289
059-103-051D	PORSC	BS16144	06198907	ALLCH	416891!	0675-7208LUP	JN-MN	415327	0704-0134	GM	50081
059-103-085E	AUDI	716484	06199004	ALLCH	471138!	0675-9048LUP	JN-MN	415327	0704-0257	GM	50419
059103095	AUDI	25598	06207849	ALLCH	473010!	0675-9290LPD	JN-MN	415327	0704-0279	GM	472560N!
059103095	VW	25598	062207A	HARWA	6X22X7!	067541	ALLCH	471466!	0704-0283	GM	471652
059105257A	AUDI	J1105	0625-7194LPD	JN-MN	455480!	0675AB	CASE	471646!	0704-0291	GM	471763
059121119	AUDI	25598	0625-8804LPD	JN-MN	455480!	067676	AUTOZ	13069	0704-0298	GM	473426
059121119	VW	25598	0625-8949LUP	JN-MN	417562	067677	AUTOZ	13338	0704-0359	GM	473234!
059246	ALLCH	471649!	062559400	EATON	412473!	067824	AUTOZ	BS15868	0704-0405	GM	473471
0593-10258LPD	JN-MN	417780	06283576	ALLCH	415991	067828	AUTOZ	BS25035	0704-0424	GM	415483
0593-9351LPD	JN-MN	417780	06283576	ALLCH	415991!	067842	AUTOZ	BS40110	0704-0431	GM	415984!
0593-9401LPD	JN-MN	417780	06284855	ALLCH	415302	067849	AUTOZ	BS40380	0704-0442	GM	415088
059325	ALLCH	417316!	06288948	ALLCH	415379	067854	AUTOZ	BS40396	0704-0442	GM	415088!
059463900	EATON	55353	06289417	ALLCH	415449!	067863	AUTOZ	BS40449-1	0704-0444	GM	471711!
05950	SIDEX	205004	06290407	ALLCH	417316!	067870	AUTOZ	BS40509	0704-0538	GM	472354!
059931VC	TRSCM	340797	06297337	ALLCH	411178=	067877	AUTOZ	BS40578	0704-0546	GM	472397!
059947	ALLCH	470898	06326086	ALLCH	471413	067878	AUTOZ	BS40592	0704-0571	GM	343098
0600-12196LUP	JN-MN	417365	06340061	ALLCH	450930=	067880	AUTOZ	BS40620	0704-0573	GM	470954!
0600-16079LDS	JN-MN	415683*	06345193	ALLCH	472691	067913	ALLCH	471820	0704-0628	GM	470950!
0600-2499LUP	JN-MN	415683	06347033	ALLCH	417344!	067914	ALLCH	473214!	0704-0628	GM	6241S
0600-5610LUP	JN-MN	415072	06357784	ALLCH	415995!	068-103-085A	AUDI	3476	0704-0640	GM	473234
0600-67191A	JN-MN	415072	0637-17886LUP	JN-MN	417563	068-103-085A	VW	3476	0704-0699	GM	472492!
0600-8947LUP	JN-MN	415072	0637-9749LPD	JN-MN	55692!*	068-103-085R	VW	3476	0704-0730	GM	450068
0600-9514LUP	JN-MN	415683	06383863	ALLCH	471651	068-105-085E	AUDI	3476	0704-0748	GM	417621!
0600-9993LUP	JN-MN	415072	064302	ALLCH	473464!	068-105-085E	VW	3476	0704-0749	GM	416288!
06003803	TROS	340797	064302	ALLCH	473464	068-198-171	AUDI	716102	0704-0893	GM	471868
06004003	TROS	7399S!	064305	ALLCH	470682	068-198-171	VW	716102	0704-0897	GM	415483

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
0704-0918	GM	481650	0704-1925	GM	455015	0704-2965	GM	471103!	0704-3716	GM	473228
0704-0993	GM	416654!	0704-1931	GM	476470	0704-2967	GM	240733	0704-3717	GM	470712!
0704-1065	GM	450341	0704-1935	GM	415991	0704-2979	GM	322353	0704-3719	GM	473237!
0704-1069	GM	55357	0704-1935	GM	415991!	0704-2979	GM	474278	0704-3747	GM	471276
0704-1071	GM	455434	0704-1986	GM	472164!	0704-3017	GM	340827	0704-3763	GM	473226
0704-1074	GM	412920!	0704-1987	GM	352541	0704-3032	GM	451182	0704-3764	GM	50413
0704-1096	GM	343123	0704-2012	GM	472258!	0704-3034	GM	416775	0704-3766	GM	473467
0704-1107	GM	471549!	0704-2037	GM	470354	0704-3217	GM	5976S	0704-3768	GM	450415
0704-1110	GM	471532	0704-2085	GM	472409!	0704-3218	GM	6703S	0704-3769	GM	472319
0704-1119	GM	50206	0704-2094	GM	412871!	0704-3228	GM	240356	0704-3770	GM	472951
0704-1130	GM	471684!	0704-2095	GM	412119!	0704-3231	GM	410524	0704-3770	GM	474252
0704-1132	GM	471231!	0704-2096	GM	416267!	0704-3232	GM	415047	0704-3774	GM	471915
0704-1144	GM	471649!	0704-2097	GM	455005	0704-3234	GM	416130!	0704-3776	GM	471692!
0704-1145	GM	471689!	0704-2098	GM	417181!	0704-3235	GM	441319	0704-3779	GM	476838!
0704-1155	GM	470712!	0704-2099	GM	415437	0704-3237	GM	450342	0704-3854	GM	472397!
0704-1172	GM	472258!	0704-2100	GM	472157!	0704-3241	GM	471571	0704-3869	GM	5166
0704-1187	GM	240319	0704-2100	GM	472157	0704-3242	GM	473380	0704-3950	GM	472015!
0704-1191	GM	453065	0704-2103	GM	415294!	0704-3244	GM	472536	0704-3956	GM	472826!
0704-1209	GM	473444	0704-2104	GM	415867	0704-3272	GM	50191	0704-3960	GM	471281!
0704-1215	GM	471504!	0704-2109	GM	471281!	0704-3273	GM	415449!	0704-3972	GM	417262!
0704-1220	GM	470088	0704-2111	GM	471272!	0704-3277	GM	415683	0704-3990	GM	J1101
0704-1264	GM	416273!	0704-2112	GM	471267!	0704-3280	GM	353131	0704-3991	GM	J1122
0704-1284	GM	415995!	0704-2117	GM	470898	0704-3280	GM	471231!	0704-4020	GM	J1103
0704-1303	GM	415023	0704-2118	GM	472015!	0704-3304	GM	473240!	0704-4022	GM	J1105
0704-1379	GM	415645!	0704-2120	GM	6703S	0704-3315	GM	415960!	0704-4023	GM	J1106
0704-1472	GM	470954!	0704-2190	GM	473439!	0704-3323	GM	471354!	0704-4024	GM	J1107
0704-1696	GM	43073S	0704-2204	GM	472653!	0704-3327	GM	473010!	0704-4026	GM	J1109
0704-1697	GM	471766!	0704-2256	GM	416292	0704-3332	GM	473232	0704-4028	GM	J1111
0704-1698	GM	50478	0704-2270	GM	470328	0704-3344	GM	413246	0704-4029	GM	J1112
0704-1701	GM	415458!	0704-2270	GM	481213!	0704-3348	GM	416706!	0704-4032	GM	J1115
0704-1702	GM	416666	0704-2287	GM	473441	0704-3351	GM	417356!	0704-4034	GM	J1117
0704-1703	GM	417357	0704-2289	GM	473313	0704-3351	GM	455188	0704-4035	GM	J1118
0704-1706	GM	412920!	0704-2315	GM	471553!	0704-3352	GM	416888!	0704-4036	GM	J1119
0704-1707	GM	471141!	0704-2343	GM	340850	0704-3353	GM	417247!	0704-4038	GM	J1121
0704-1713	GM	471076	0704-2344	GM	3395!	0704-3356	GM	416107!	0704-4039	GM	J1123
0704-1714	GM	471272!	0704-2344	GM	352444	0704-3356	GM	455073	0704-4040	GM	J1124
0704-1715	GM	471316	0704-2351	GM	481644	0704-3385	GM	350909	0704-4041	GM	J1125
0704-1722	GM	416273	0704-2352	GM	471272!	0704-3385	GM	471224!	0704-4042	GM	J1126
0704-1723	GM	480630!	0704-2411	GM	330699	0704-3389	GM	340817	0704-4043	GM	J1127
0704-1737	GM	474277	0704-2413	GM	453063	0704-3418	GM	471633!	0704-4044	GM	J1128
0704-1749	GM	472144!	0704-2415	GM	472179	0704-3470	GM	342613!	0704-4046	GM	J1130
0704-1756	GM	43077S	0704-2423	GM	473212!	0704-3471	GM	471652	0704-4047	GM	J1131
0704-1773	GM	340387	0704-2424	GM	450463	0704-3487	GM	5865	0704-4048	GM	J1132
0704-1782	GM	471538!	0704-2425	GM	450335	0704-3498	GM	473244	0704-4050	GM	J1134
0704-1783	GM	471553!	0704-2427	GM	450090	0704-3499	GM	4739	0704-4052	GM	J1136
0704-1789	GM	474253	0704-2428	GM	481073	0704-3501	GM	450362	0704-4054	GM	J1138
0704-1790	GM	254287!	0704-2476	GM	450065	0704-3505	GM	455321	0704-4056	GM	J1140
0704-1801	GM	450040	0704-2477	GM	50254=	0704-3509	GM	50514	0704-4057	GM	J1141
0704-1807	GM	471760	0704-2482	GM	450776!	0704-3514	GM	40370S	0704-4070	GM	455123
0704-1809	GM	471516!	0704-2489	GM	455117	0704-3531	GM	416664!	0704-4091	GM	417621!
0704-1815	GM	350974!	0704-2493	GM	470590	0704-3542	GM	45031S	0704-4132	GM	51032S
0704-1818	GM	43076S	0704-2494	GM	43069S	0704-3564	GM	415697!	0704-4135	GM	415379
0704-1821	GM	471413!	0704-2495	GM	343104	0704-3568	GM	473241	0704-4160	GM	473214
0704-1831	GM	473215!	0704-2496	GM	353135	0704-3572	GM	450260	0704-4171	GM	417254
0704-1832	GM	473197!	0704-2496	GM	474278	0704-3607	GM	416370!	0704-4212	GM	40433S
0704-1833	GM	6241S	0704-2497	GM	476838!	0704-3613	GM	5877	0704-4231	GM	417351!
0704-1835	GM	471835!	0704-2498	GM	471820	0704-3630	GM	442380	0704-4317	GM	480889
0704-1837	GM	473197	0704-2860	GM	472311!	0704-3632	GM	240151	0704-4324	GM	413478
0704-1842	GM	481163!	0704-2865	GM	471649!	0704-3633	GM	340787	0704-4351	GM	417491
0704-1843	GM	470625!	0704-2868	GM	471705!	0704-3634	GM	331301N	0704-4488	GM	473204
0704-1844	GM	7886S	0704-2871	GM	472354!	0704-3636	GM	471821!	0704-4490	GM	417505
0704-1845	GM	473228	0704-2889	GM	472636!	0704-3637	GM	473466	0704-4511	GM	472560N
0704-1852	GM	453510	0704-2893	GM	415458!	0704-3638	GM	473461!	0704-4544	GM	471887
0704-1853	GM	43074S	0704-2901	GM	415995!	0704-3640	GM	415001!	0704-4549	GM	471224!
0704-1858	GM	473367!	0704-2901	GM	415995!	0704-3641	GM	416154!	0704-4553	GM	416077
0704-1858	GM	473367	0704-2920	GM	415124	0704-3646	GM	472924!	0704-4554	GM	455308
0704-1867	GM	472185!	0704-2923	GM	341022	0704-3649	GM	50010	0704-4568	GM	417488!
0704-1868	GM	472185!	0704-2925	GM	471554!	0704-3653	GM	472826!	0704-4589	GM	417515
0704-1876	GM	353120	0704-2933	GM	471866!	0704-3656	GM	327303!	0704-4910	GM	450639
0704-1890	GM	453066	0704-2953	GM	416041	0704-3658	GM	471466!	0704-4916	GM	471192
0704-1890	GM	470898!	0704-2954	GM	455566	0704-3668	GM	455079!	0704-5279	GM	471692!
0704-1899	GM	410694!	0704-2964	GM	410496!	0704-3681	GM	50501	0704-5280	GM	473446

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
0704-5283	GM	415498	0704-6388	GM	415449!	0704-6782	GM	417344!	0704-6853	GM	473214!
0704-5295	GM	416149	0704-6389	GM	470334!	0704-6783	GM	417350!	0704-6854	GM	50883 =
0704-5480	GM	471516!	0704-6437	GM	415962	0704-6784	GM	417355!	0704-6855	GM	412027
0704-5481	GM	415227!	0704-6440	GM	471567!	0704-6785	GM	417356!	0704-6856	GM	417481
0704-5503	GM	473235	0704-6459	GM	450188	0704-6786	GM	417357	0704-6857	GM	450545
0704-5504	GM	416345!	0704-6505	GM	416654!	0704-6787	GM	417484!	0704-6858	GM	470898
0704-5504	GM	455033	0704-6516	GM	416294!	0704-6788	GM	417491	0704-6859	GM	3492V
0704-5505	GM	417514	0704-6523	GM	456744N	0704-6789	GM	417507	0704-6861	GM	471141
0704-5586	GM	415196!	0704-6527	GM	415034!	0704-6790	GM	417511	0704-6862	GM	7751H
0704-5596	GM	472164!	0704-6530	GM	455134!	0704-6791	GM	417541	0704-6863	GM	471750
0704-5597	GM	415988	0704-6550	GM	417365	0704-6792	GM	417546!	0704-6864	GM	471554
0704-5598	GM	417316!	0704-6554	GM	473407	0704-6793	GM	417555!	0704-6865	GM	40085S
0704-5599	GM	416339	0704-6557	GM	471539!	0704-6794	GM	417562	0704-6866	GM	471413
0704-5600	GM	415035	0704-6560	GM	50224	0704-6795	GM	417600	0704-6868	GM	40494S
0704-5601	GM	415449!	0704-6562	GM	471729	0704-6796	GM	417602!	0704-6870	GM	471224
0704-5602	GM	470334!	0704-6565	GM	473414	0704-6797	GM	417604	0704-6871	GM	470954
0704-5603	GM	471785!	0704-6571	GM	455871	0704-6798	GM	417608	0704-6872	GM	471526
0704-5846	GM	416229	0704-6589	GM	471787!	0704-6799	GM	471764!	0704-6873	GM	43072S
0704-5859	GM	471442!	0704-6590	GM	415077	0704-6800	GM	414268!	0704-6875	GM	350156
0704-5961	GM	417487	0704-6615	GM	415085!	0704-6801	GM	450593!	0704-6875	GM	473096
0704-5961	GM	417487!	0704-6615	GM	456648	0704-6802	GM	470806	0704-6877	GM	471103!
0704-6061	GM	474252!	0704-6616	GM	412027	0704-6803	GM	450911N!	0704-6878	GM	474279N!
0704-6068	GM	471692!	0704-6617	GM	8059S	0704-6804	GM	472164	0704-6880	GM	203025
0704-6070	GM	471692!	0704-6621	GM	471567!	0704-6805	GM	451857	0704-6881	GM	240319
0704-6077	GM	474260	0704-6732	GM	5836	0704-6806	GM	455134!	0704-6882	GM	240735
0704-6080	GM	473427	0704-6733	GM	8705S	0704-6807	GM	417967!	0704-6883	GM	252277
0704-6082	GM	473203	0704-6734	GM	471766	0704-6808	GM	455194	0704-6884	GM	345035
0704-6094	GM	473211!	0704-6735	GM	472810!	0704-6809	GM	455356	0704-6885	GM	472016
0704-6102	GM	471835!	0704-6736	GM	203029	0704-6810	GM	455584	0704-6886	GM	411376!
0704-6103	GM	323125	0704-6737	GM	324941	0704-6811	GM	474281!	0704-6887	GM	412119!
0704-6103	GM	450456!	0704-6739	GM	415302	0704-6812	GM	471766!	0704-6888	GM	412920!
0704-6109	GM	203013	0704-6740	GM	416332!	0704-6813	GM	470625!	0704-6889	GM	412943
0704-6113	GM	473440!	0704-6741	GM	416345!	0704-6814	GM	470950!	0704-6890	GM	413469!
0704-6116	GM	472213	0704-6742	GM	471796!	0704-6814	GM	6241S	0704-6891	GM	413479
0704-6119	GM	470682	0704-6743	GM	417269!	0704-6815	GM	471138!	0704-6892	GM	415001!
0704-6120	GM	50200	0704-6744	GM	417349!	0704-6816	GM	471224!	0704-6893	GM	415027
0704-6123	GM	340927	0704-6745	GM	417351!	0704-6817	GM	471271!	0704-6894	GM	415036
0704-6127	GM	43095S!	0704-6746	GM	417490	0704-6818	GM	471391!	0704-6895	GM	415090
0704-6130	GM	473233!	0704-6747	GM	417493	0704-6819	GM	473367	0704-6897	GM	415128
0704-6131	GM	473445	0704-6748	GM	417526	0704-6820	GM	471551!	0704-6898	GM	415284
0704-6133	GM	240119	0704-6750	GM	451082	0704-6821	GM	471554!	0704-6899	GM	415294!
0704-6134	GM	471526!	0704-6751	GM	455019!	0704-6822	GM	471652	0704-6900	GM	415349
0704-6135	GM	450400	0704-6752	GM	455197N	0704-6823	GM	471705!	0704-6901	GM	415351!
0704-6143	GM	473449!	0704-6753	GM	455480!	0704-6824	GM	471760	0704-6902	GM	415437
0704-6144	GM	473451!	0704-6754	GM	470380!	0704-6825	GM	471765!	0704-6903	GM	415458!
0704-6149	GM	473454	0704-6755	GM	470590	0704-6826	GM	471820	0704-6904	GM	415551
0704-6150	GM	473454!	0704-6756	GM	474253	0704-6827	GM	472287!	0704-6905	GM	415725!
0704-6157	GM	472492!	0704-6757	GM	471137	0704-6828	GM	472319	0704-6906	GM	415995!
0704-6160	GM	473467	0704-6758	GM	471264!	0704-6829	GM	473197	0704-6906	GM	415995!
0704-6163	GM	440972	0704-6759	GM	471267!	0704-6830	GM	473010!	0704-6907	GM	412473!
0704-6164	GM	455080	0704-6760	GM	471413!	0704-6831	GM	473016!	0704-6908	GM	415937!
0704-6167	GM	471138!	0704-6761	GM	471466!	0704-6832	GM	473205!	0704-6909	GM	415938
0704-6171	GM	411394!	0704-6762	GM	471472!	0704-6833	GM	473224!	0704-6910	GM	415960
0704-6183	GM	253747!	0704-6763	GM	471504	0704-6834	GM	473227!	0704-6911	GM	416077
0704-6184	GM	417079	0704-6764	GM	471529	0704-6835	GM	473232!	0704-6912	GM	416107!
0704-6188	GM	476281	0704-6765	GM	471553!	0704-6836	GM	473233!	0704-6913	GM	416137
0704-6262	GM	416332!	0704-6766	GM	471564	0704-6837	GM	473258!	0704-6914	GM	416154!
0704-6263	GM	40555	0704-6767	GM	471570!	0704-6838	GM	473313!	0704-6915	GM	416158
0704-6263	GM	40555S!	0704-6768	GM	471647	0704-6839	GM	473421	0704-6916	GM	416229
0704-6264	GM	471526!	0704-6769	GM	471730	0704-6840	GM	473446	0704-6917	GM	416364!
0704-6268	GM	455022	0704-6770	GM	471744!	0704-6841	GM	473449!	0704-6918	GM	416556!
0704-6272	GM	455871N	0704-6771	GM	471763	0704-6842	GM	480210!	0704-6918	GM	472157
0704-6346	GM	474254	0704-6772	GM	473459	0704-6843	GM	472354!	0704-6919	GM	416624!
0704-6351	GM	472164!	0704-6773	GM	472439	0704-6844	GM	350435	0704-6920	GM	416666
0704-6380	GM	417570	0704-6774	GM	472475	0704-6845	GM	412861	0704-6921	GM	416865!
0704-6382	GM	415116	0704-6775	GM	472492!	0704-6846	GM	416239!	0704-6966	GM	5115
0704-6383	GM	411253!	0704-6776	GM	473231!	0704-6847	GM	417601	0704-6968	GM	410737!
0704-6385	GM	417316!	0704-6777	GM	473236!	0704-6848	GM	471341!	0704-7003	GM	411253!
0704-6386	GM	416339	0704-6778	GM	473445	0704-6849	GM	471649!	0704-7095	GM	200851
0704-6386	GM	455031!	0704-6779	GM	476838!	0704-6850	GM	471651	0704-7123	GM	5146
0704-6387	GM	415035	0704-6780	GM	417159	0704-6851	GM	472213	0704-7124	GM	5167
0704-6387	GM	415035!	0704-6781	GM	417298	0704-6852	GM	472924!	0704-7125	GM	5168

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
0704-7126	GM	5169	0704-7235	GM	200752	0704-7321	GM	471337	0704-7394	GM	416144
0704-7127	GM	5170	0704-7236	GM	200854	0704-7322	GM	411500	0704-7395	GM	416147
0704-7128	GM	5246	0704-7237	GM	200856	0704-7323	GM	412040	0704-7396	GM	416149
0704-7130	GM	5399	0704-7238	GM	200861	0704-7324	GM	412725	0704-7397	GM	416153!
0704-7131	GM	5518	0704-7240	GM	200885	0704-7325	GM	413246	0704-7398	GM	416156
0704-7132	GM	5520	0704-7241	GM	203002	0704-7326	GM	413247!	0704-7399	GM	416163
0704-7133	GM	5521	0704-7242	GM	204029	0704-7327	GM	413248	0704-7400	GM	416167!
0704-7134	GM	5527	0704-7242	GM	204507!	0704-7328	GM	413470!	0704-7401	GM	416257
0704-7135	GM	5531	0704-7243	GM	204017	0704-7329	GM	413472	0704-7402	GM	416268
0704-7136	GM	5532	0704-7244	GM	205004	0704-7330	GM	415007	0704-7403	GM	416271!
0704-7137	GM	5537	0704-7245	GM	205011	0704-7331	GM	415021	0704-7404	GM	416273
0704-7138	GM	5538	0704-7246	GM	205035	0704-7332	GM	415023	0704-7405	GM	416278
0704-7139	GM	6357S	0704-7248	GM	240215	0704-7333	GM	415025	0704-7406	GM	416282
0704-7140	GM	6380	0704-7249	GM	240457	0704-7334	GM	415034!	0704-7407	GM	416288!
0704-7143	GM	6760S	0704-7250	GM	240716	0704-7335	GM	415041	0704-7408	GM	416297
0704-7145	GM	7512SSO	0704-7251	GM	240949	0704-7336	GM	415043	0704-7409	GM	416313
0704-7146	GM	8362	0704-7252	GM	311197	0704-7337	GM	415045!	0704-7410	GM	416321
0704-7147	GM	9555S	0704-7254	GM	471224!	0704-7338	GM	415052	0704-7411	GM	416327
0704-7148	GM	9600S	0704-7255	GM	471264!	0704-7339	GM	415058	0704-7412	GM	416380!
0704-7149	GM	471760	0704-7256	GM	471442!	0704-7340	GM	415060	0704-7413	GM	416381
0704-7150	GM	471763	0704-7257	GM	471649!	0704-7341	GM	415064	0704-7414	GM	416383
0704-7153	GM	40568S	0704-7259	GM	473241!	0704-7342	GM	415066	0704-7415	GM	416394
0704-7155	GM	471264	0704-7260	GM	473224!	0704-7343	GM	415072	0704-7416	GM	416404!
0704-7156	GM	471442	0704-7261	GM	323119	0704-7344	GM	415074	0704-7417	GM	416444
0704-7157	GM	471466	0704-7262	GM	323126	0704-7345	GM	415076	0704-7418	GM	416476!
0704-7158	GM	42081S!	0704-7262	GM	474278	0704-7346	GM	415082	0704-7419	GM	416557
0704-7159	GM	472311	0704-7264	GM	323133	0704-7347	GM	415085!	0704-7420	GM	416657
0704-7160	GM	42352S	0704-7265	GM	323138!	0704-7348	GM	415088	0704-7421	GM	416664!
0704-7161	GM	42421S	0704-7267	GM	327215	0704-7349	GM	415138!	0704-7422	GM	416670
0704-7162	GM	312518	0704-7267	GM	415035	0704-7350	GM	415142	0704-7423	GM	416706!
0704-7163	GM	43078S	0704-7269	GM	254270	0704-7351	GM	415150!	0704-7424	GM	416738!
0704-7165	GM	43086S	0704-7270	GM	340771	0704-7352	GM	415187	0704-7425	GM	416891!
0704-7166	GM	43109S	0704-7272	GM	340835	0704-7353	GM	415219	0704-7426	GM	416892!
0704-7167	GM	417621!	0704-7274	GM	340849	0704-7354	GM	415234!	0704-7427	GM	416919
0704-7168	GM	45653S	0704-7275	GM	340853	0704-7355	GM	415254	0704-7428	GM	416951
0704-7170	GM	46997S	0704-7276	GM	340930	0704-7356	GM	415259!	0704-7429	GM	416956
0704-7171	GM	47150S	0704-7277	GM	342517	0704-7357	GM	415263	0704-7430	GM	417016
0704-7174	GM	50026	0704-7279	GM	342805	0704-7358	GM	415295	0704-7431	GM	417020
0704-7175	GM	414045!	0704-7280	GM	253099	0704-7359	GM	415303!	0704-7432	GM	417022
0704-7176	GM	50126	0704-7281	GM	343105	0704-7360	GM	415317	0704-7433	GM	417040
0704-7177	GM	50168	0704-7281	GM	7399S!	0704-7361	GM	415327	0704-7434	GM	417073
0704-7178	GM	50209	0704-7282	GM	343115	0704-7362	GM	415350	0704-7435	GM	417079
0704-7179	GM	50266	0704-7283	GM	343185	0704-7363	GM	415371	0704-7436	GM	417082
0704-7180	GM	50327	0704-7284	GM	343186	0704-7364	GM	415389	0704-7437	GM	417115
0704-7183	GM	330385!	0704-7285	GM	345448	0704-7365	GM	415394	0704-7438	GM	417134
0704-7184	GM	352541	0704-7286	GM	347304	0704-7367	GM	415447	0704-7439	GM	417158!
0704-7185	GM	50402	0704-7288	GM	472311!	0704-7368	GM	415482	0704-7440	GM	417172
0704-7186	GM	50405	0704-7289	GM	350877	0704-7369	GM	415498	0704-7441	GM	417191
0704-7188	GM	50445	0704-7289	GM	471633!	0704-7370	GM	415559	0704-7442	GM	417198
0704-7189	GM	50462	0704-7294	GM	471567!	0704-7371	GM	417433!	0704-7443	GM	417205!
0704-7190	GM	50468	0704-7295	GM	471646!	0704-7372	GM	415577	0704-7444	GM	417210!
0704-7191	GM	480491	0704-7299	GM	472560N!	0704-7373	GM	415683	0704-7445	GM	417211!
0704-7193	GM	50528	0704-7300	GM	353132	0704-7374	GM	415711	0704-7446	GM	417223
0704-7194	GM	50560	0704-7302	GM	353137	0704-7375	GM	415832	0704-7447	GM	417238
0704-7196	GM	50631	0704-7302	GM	473424	0704-7376	GM	415854	0704-7448	GM	417247!
0704-7197	GM	50798	0704-7303	GM	353141!	0704-7377	GM	415871	0704-7449	GM	417252
0704-7199	GM	51039	0704-7304	GM	471765!	0704-7378	GM	415876	0704-7450	GM	417255
0704-7202	GM	411348!	0704-7306	GM	415991	0704-7379	GM	415897	0704-7451	GM	417258
0704-7203	GM	55028	0704-7306	GM	455146!	0704-7380	GM	415958	0704-7452	GM	417267
0704-7204	GM	55030	0704-7307	GM	355669	0704-7381	GM	415983N!	0704-7453	GM	417273
0704-7205	GM	55078S	0704-7308	GM	355732	0704-7382	GM	416008	0704-7454	GM	417278
0704-7207	GM	55103S	0704-7309	GM	365008	0704-7383	GM	416024	0704-7456	GM	418028
0704-7208	GM	417563	0704-7310	GM	410102	0704-7384	GM	416029N!	0704-7457	GM	417353!
0704-7209	GM	55141	0704-7311	GM	410987!	0704-7385	GM	416039	0704-7458	GM	417354!
0704-7211	GM	55193=	0704-7313	GM	411245!	0704-7386	GM	416043	0704-7459	GM	417358
0704-7212	GM	55236	0704-7314	GM	471737	0704-7387	GM	416044	0704-7460	GM	417359
0704-7213	GM	55238	0704-7315	GM	411330!	0704-7388	GM	416070	0704-7461	GM	417360
0704-7220	GM	55337	0704-7316	GM	410190	0704-7389	GM	416071	0704-7462	GM	417361
0704-7222	GM	55353	0704-7317	GM	410694!	0704-7390	GM	416102	0704-7463	GM	417362!
0704-7227	GM	416153!	0704-7318	GM	410708	0704-7391	GM	416125!	0704-7464	GM	417363
0704-7232	GM	200642	0704-7319	GM	410752	0704-7392	GM	416127	0704-7465	GM	417364
0704-7234	GM	471766	0704-7320	GM	410825	0704-7393	GM	416135!	0704-7466	GM	417365

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
0704-7467	GM	417366!	0704-7541	GM	450269	0704-7618	GM	455297	0704-7694	GM	471612
0704-7468	GM	417474	0704-7542	GM	450273	0704-7619	GM	455311	0704-7695	GM	471633!
0704-7469	GM	417480!	0704-7543	GM	450274	0704-7620	GM	455328	0704-7696	GM	471643!
0704-7470	GM	417485	0704-7544	GM	450275	0704-7621	GM	455330!	0704-7697	GM	471645
0704-7471	GM	417486	0704-7545	GM	450279	0704-7622	GM	455336	0704-7698	GM	471646!
0704-7472	GM	417492	0704-7546	GM	450280	0704-7623	GM	455396	0704-7699	GM	471648
0704-7473	GM	417494	0704-7547	GM	450285	0704-7624	GM	455406!	0704-7700	GM	471686
0704-7474	GM	417495	0704-7548	GM	450307	0704-7625	GM	455434	0704-7701	GM	471688
0704-7475	GM	417496	0704-7549	GM	450311	0704-7626	GM	455462	0704-7702	GM	471689!
0704-7476	GM	417497	0704-7551	GM	450332	0704-7627	GM	455471	0704-7703	GM	471684!
0704-7477	GM	417498	0704-7552	GM	450339	0704-7628	GM	455476	0704-7704	GM	471707N
0704-7478	GM	417499	0704-7553	GM	450340	0704-7629	GM	455500	0704-7705	GM	471729
0704-7479	GM	417500	0704-7554	GM	450343	0704-7630	GM	455509	0704-7706	GM	471733
0704-7480	GM	417501	0704-7555	GM	450412	0704-7632	GM	455536	0704-7707	GM	471735
0704-7481	GM	417502	0704-7556	GM	450430	0704-7634	GM	455576!	0704-7708	GM	471736
0704-7482	GM	417503	0704-7557	GM	450446	0704-7635	GM	455583N!	0704-7709	GM	471737
0704-7483	GM	417504	0704-7558	GM	450456!	0704-7636	GM	455592	0704-7710	GM	471762!
0704-7484	GM	417506	0704-7559	GM	450457	0704-7637	GM	455655!	0704-7711	GM	471795
0704-7485	GM	417509	0704-7560	GM	450467	0704-7638	GM	455661	0704-7712	GM	471795
0704-7486	GM	417513	0704-7561	GM	450472!	0704-7639	GM	455685	0704-7713	GM	471801!
0704-7487	GM	417516	0704-7562	GM	450474	0704-7640	GM	415725=	0704-7714	GM	471808!
0704-7488	GM	417518	0704-7563	GM	450492	0704-7641	GM	455820	0704-7715	GM	471818
0704-7490	GM	417522	0704-7564	GM	450503=	0704-7642	GM	455948	0704-7716	GM	471821!
0704-7491	GM	417530	0704-7565	GM	450516	0704-7643	GM	455966	0704-7717	GM	471827!
0704-7492	GM	417531	0704-7566	GM	450523	0704-7644	GM	3016	0704-7718	GM	471829
0704-7493	GM	417532	0704-7567	GM	450533	0704-7644	GM	456052	0704-7719	GM	471831!
0704-7494	GM	417533	0704-7568	GM	450535	0704-7645	GM	456105	0704-7720	GM	471833
0704-7495	GM	417534	0704-7568	GM	471264!	0704-7646	GM	456141	0704-7721	GM	471841
0704-7496	GM	417535	0704-7569	GM	450540	0704-7647	GM	456192	0704-7722	GM	473258
0704-7497	GM	417536	0704-7571	GM	450604	0704-7648	GM	456305	0704-7723	GM	471854!
0704-7498	GM	417537	0704-7572	GM	450621	0704-7649	GM	456462	0704-7724	GM	471862
0704-7499	GM	417538	0704-7573	GM	470645	0704-7650	GM	456464	0704-7725	GM	471866!
0704-7500	GM	417539!	0704-7574	GM	450666	0704-7651	GM	456890	0704-7726	GM	472016!
0704-7501	GM	417540	0704-7575	GM	450693	0704-7652	GM	457291	0704-7727	GM	472018
0704-7502	GM	417542	0704-7576	GM	450765!	0704-7653	GM	457294	0704-7728	GM	472020
0704-7503	GM	417543	0704-7577	GM	450803	0704-7654	GM	457295	0704-7729	GM	472029
0704-7504	GM	417544	0704-7578	GM	450808	0704-7656	GM	457585	0704-7730	GM	472070
0704-7505	GM	417545	0704-7579	GM	450819	0704-7658	GM	470050	0704-7731	GM	472082
0704-7506	GM	417547	0704-7580	GM	450869	0704-7659	GM	474264	0704-7733	GM	472150
0704-7507	GM	417548	0704-7581	GM	450965	0704-7660	GM	474265	0704-7734	GM	470380!
0704-7508	GM	417549!	0704-7582	GM	450984	0704-7661	GM	470086	0704-7734	GM	472189A!
0704-7509	GM	417550	0704-7584	GM	451078!	0704-7662	GM	470088	0704-7735	GM	472234
0704-7510	GM	417551	0704-7585	GM	451143	0704-7663	GM	473462	0704-7736	GM	472299
0704-7511	GM	417554!	0704-7587	GM	451469	0704-7664	GM	472193!	0704-7737	GM	472324!
0704-7512	GM	417556	0704-7588	GM	451583!	0704-7665	GM	470390	0704-7738	GM	472394
0704-7513	GM	417563	0704-7589	GM	451817	0704-7667	GM	470515	0704-7739	GM	472409!
0704-7514	GM	417564	0704-7591	GM	451948	0704-7668	GM	470530!	0704-7740	GM	474256
0704-7515	GM	417567	0704-7592	GM	452086	0704-7669	GM	474272	0704-7741	GM	472452
0704-7516	GM	417571	0704-7593	GM	452222!	0704-7670	GM	470565!	0704-7742	GM	471549!
0704-7517	GM	417584	0704-7594	GM	471619!	0704-7671	GM	470596	0704-7742	GM	472467
0704-7518	GM	417597	0704-7595	GM	453182	0704-7672	GM	470601	0704-7743	GM	472572!
0704-7519	GM	417598	0704-7596	GM	453279!	0704-7673	GM	470605!	0704-7744	GM	472636!
0704-7520	GM	417603!	0704-7597	GM	455008	0704-7674	GM	470687	0704-7745	GM	472644
0704-7521	GM	417605	0704-7598	GM	455020	0704-7675	GM	410737!	0704-7746	GM	471747!
0704-7522	GM	417606	0704-7600	GM	455026	0704-7676	GM	470774!	0704-7747	GM	473259
0704-7523	GM	417607	0704-7601	GM	415027	0704-7677	GM	471141!	0704-7748	GM	472705!
0704-7524	GM	417780	0704-7602	GM	455032!	0704-7678	GM	471193	0704-7749	GM	472826!
0704-7525	GM	412920	0704-7603	GM	455037	0704-7679	GM	471231!	0704-7750	GM	472843
0704-7527	GM	450039	0704-7604	GM	455056	0704-7680	GM	471255!	0704-7751	GM	472954
0704-7528	GM	450044	0704-7605	GM	455080	0704-7681	GM	471270!	0704-7752	GM	473157
0704-7529	GM	450054	0704-7606	GM	455121	0704-7682	GM	471344	0704-7753	GM	473179!
0704-7530	GM	450073	0704-7607	GM	455129	0704-7683	GM	471354!	0704-7754	GM	473210
0704-7531	GM	450089	0704-7608	GM	455136	0704-7684	GM	471407	0704-7755	GM	473213!
0704-7532	GM	450104	0704-7609	GM	455144	0704-7685	GM	471424!	0704-7756	GM	473225!
0704-7533	GM	450111	0704-7610	GM	455151	0704-7686	GM	481443!	0704-7757	GM	473226
0704-7534	GM	450133	0704-7611	GM	455189	0704-7687	GM	471498	0704-7758	GM	473228!
0704-7535	GM	450143	0704-7612	GM	455191	0704-7688	GM	471530	0704-7759	GM	473229!
0704-7536	GM	450147	0704-7613	GM	455203	0704-7689	GM	471532	0704-7760	GM	473230!
0704-7537	GM	450159	0704-7614	GM	455253	0704-7690	GM	471535!	0704-7761	GM	473235!
0704-7538	GM	450173	0704-7615	GM	455260	0704-7691	GM	471549!	0704-7762	GM	473237!
0704-7539	GM	450177	0704-7616	GM	455280	0704-7692	GM	471558	0704-7763	GM	473239!
0704-7540	GM	450260	0704-7617	GM	455290	0704-7693	GM	471579	0704-7764	GM	473242

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OIL SEALS

NATIONAL®

0704-7765 – 0704-G817

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
0704-7765	GM	473243	0704-7842	GM	484058	0704-8761	GM	473424!	0704-B360	GM	450089
0704-7766	GM	473244!	0704-7867	GM	99062	0704-8765	GM	40566S	0704-B362	GM	411245!
0704-7767	GM	473245!	0704-7868	GM	99076	0704-8990	GM	292594	0704-B363	GM	417488!
0704-7769	GM	473317	0704-7869	GM	99087	0704-9112	GM	455204	0704-B364	GM	456105
0704-7771	GM	473405	0704-7870	GM	99098	0704-9195	GM	471271!	0704-B367	GM	417603!
0704-7772	GM	473406!	0704-7872	GM	99112	0704-9874	GM	471267	0704-B368	GM	473225!
0704-7773	GM	473407	0704-7873	GM	99125	0704-9877	GM	350364	0704-B884	GM	415482
0704-7774	GM	473412	0704-7874	GM	99138	0704-9878	GM	471267!	0704-C017	GM	473197!
0704-7775	GM	473413	0704-7875	GM	99143	0704-9882	GM	470530!	0704-C019	GM	472179
0704-7776	GM	473415	0704-7876	GM	99149	0704-9883	GM	473464	0704-C082	GM	442507
0704-7777	GM	473419!	0704-7877	GM	99155	0704-9883	GM	473464!	0704-C197	GM	473238!
0704-7778	GM	473420	0704-7878	GM	99156	0704-9884	GM	410987!	0704-C341	GM	470712
0704-7779	GM	473428	0704-7879	GM	99162	0704-9885	GM	471224!	0704-C342	GM	471652
0704-7780	GM	473435	0704-7880	GM	99168	0704-9886	GM	470682	0704-C509	GM	473224!
0704-7781	GM	473436	0704-7881	GM	99174	0704-9887	GM	470625!	0704-C723	GM	330385
0704-7782	GM	473437	0704-7882	GM	99176	0704-9888	GM	450593!	0704-C739	GM	473423
0704-7783	GM	473438	0704-7883	GM	99181	0704-A171	GM	6863S!	0704-C921	GM	55301S
0704-7784	GM	473440!	0704-7884	GM	99187	0704-A184	GM	335924N	0704-D017	GM	471466!
0704-7785	GM	473442!	0704-7885	GM	99199	0704-A185	GM	340356	0704-D022	GM	45825S
0704-7786	GM	474274	0704-7887	GM	99205	0704-A194	GM	471750!	0704-D104	GM	3945
0704-7787	GM	473444!	0704-7888	GM	99212	0704-A195	GM	470530!	0704-D195	GM	471424!
0704-7788	GM	473447	0704-7889	GM	99218	0704-A197	GM	471766!	0704-D197	GM	472179
0704-7789	GM	473448	0704-7890	GM	99225	0704-A198	GM	472636!	0704-D263	GM	415146!
0704-7790	GM	473450!	0704-7891	GM	99233	0704-A201	GM	417316!	0704-D263	GM	415991
0704-7791	GM	473452	0704-7892	GM	99237	0704-A203	GM	416888!	0704-D268	GM	472397!
0704-7792	GM	473453	0704-7893	GM	99243	0704-A206	GM	442251	0704-D276	GM	410102
0704-7793	GM	473457!	0704-7894	GM	99248	0704-A211	GM	412943	0704-D281	GM	41075S
0704-7794	GM	473458!	0704-7895	GM	99250	0704-A212	GM	473450	0704-D296	GM	55469
0704-7795	GM	473460	0704-7896	GM	99256	0704-A213	GM	472572!	0704-D318	GM	5526
0704-7796	GM	473461!	0704-7897	GM	99259	0704-A216	GM	471529	0704-D836	GM	450326
0704-7797	GM	473463	0704-7898	GM	99262	0704-A228	GM	410308!	0704-E051	GM	471141!
0704-7798	GM	473464	0704-7899	GM	99272	0704-A229	GM	411394!	0704-E113	GM	472016!
0704-7799	GM	473466	0704-7900	GM	99274	0704-A232	GM	473231	0704-E756	GM	5924
0704-7800	GM	473467	0704-7901	GM	99275	0704-A234	GM	471870!	0704-E812	GM	471762!
0704-7801	GM	410308!	0704-7902	GM	99282	0704-A237	GM	471138!	0704-E924	GM	417344!
0704-7801	GM	473468	0704-7903	GM	99287	0704-A238	GM	471341!	0704-E925	GM	204020
0704-7802	GM	473473	0704-7904	GM	99293	0704-A239	GM	471267!	0704-E925	GM	204505!
0704-7803	GM	473474	0704-7906	GM	99300	0704-A240	GM	413248	0704-E998	GM	472150
0704-7804	GM	473475	0704-7907	GM	99312	0704-A245	GM	415007	0704-E999	GM	473214!
0704-7805	GM	473517!	0704-7908	GM	99324	0704-A247	GM	476470	0704-F079	GM	471267!
0704-7807	GM	475384	0704-7909	GM	99325	0704-A248	GM	416125!	0704-F091	GM	476470
0704-7808	GM	415035	0704-7910	GM	99337	0704-A251	GM	416891!	0704-F093	GM	472012
0704-7808	GM	475845!	0704-7911	GM	99350	0704-A253	GM	417269!	0704-F095	GM	473459
0704-7811	GM	476535	0704-7912	GM	99362	0704-A256	GM	416167!	0704-F223	GM	473467!
0704-7812	GM	476820	0704-7913	GM	99367	0704-A257	GM	411376!	0704-F268	GM	416229
0704-7813	GM	476842	0704-7914	GM	99372	0704-A259	GM	415302	0704-F294	GM	416664!
0704-7814	GM	477069	0704-7915	GM	99387	0704-A261	GM	418028	0704-F372	GM	417554!
0704-7815	GM	480281!	0704-7916	GM	99393	0704-A261	GM	455137!	0704-F433	GM	455556
0704-7816	GM	474278	0704-7917	GM	99399	0704-A265	GM	417357	0704-F770	GM	472193!
0704-7817	GM	480491	0704-7919	GM	99450	0704-A265	GM	455192!	0704-F772	GM	474278
0704-7818	GM	480821!	0704-7920	GM	99499	0704-A267	GM	415725!	0704-F772	GM	6859S
0704-7819	GM	480844	0704-7921	GM	99599	0704-A268	GM	417601	0704-F773	GM	471766!
0704-7821	GM	481163!	0704-7922	GM	99700	0704-A269	GM	417159	0704-F775	GM	473229
0704-7822	GM	481181!	0704-8120	GM	471344	0704-A270	GM	416404!	0704-F791	GM	417486
0704-7824	GM	480581	0704-8199	GM	410496!	0704-A273	GM	417262!	0704-F813	GM	471271!
0704-7825	GM	481397	0704-8449	GM	471255!	0704-A274	GM	417350!	0704-F815	GM	415960
0704-7826	GM	481443!	0704-8689	GM	5551	0704-A277	GM	417191	0704-F816	GM	415984!
0704-7827	GM	481481	0704-8691	GM	471442	0704-A277	GM	456585	0704-F833	GM	471984
0704-7828	GM	481528	0704-8694	GM	40059S	0704-A282	GM	415458!	0704-G163	GM	481443!
0704-7829	GM	481534	0704-8698	GM	471787	0704-A283	GM	471272!	0704-G311	GM	417171!
0704-7830	GM	481537	0704-8724	GM	455024	0704-A285	GM	482126	0704-G533	GM	472492!
0704-7831	GM	481568!	0704-8725	GM	415379	0704-A370	GM	417349	0704-G586	GM	473459!
0704-7832	GM	481792	0704-8725	GM	415379!	0704-A372	GM	476470!	0704-G600	GM	476470
0704-7833	GM	481834	0704-8727	GM	471981	0704-A372	GM	476470	0704-G794	GM	415449
0704-7834	GM	481859	0704-8733	GM	473455!	0704-A383	GM	415483	0704-G802	GM	240731
0704-7835	GM	481864	0704-8737	GM	43071S	0704-A443	GM	470605!	0704-G804	GM	450593!
0704-7836	GM	481992	0704-8740	GM	471750!	0704-A473	GM	351028	0704-G807	GM	471787!
0704-7837	GM	482163!	0704-8747	GM	340823	0704-B125	GM	415027!	0704-G808	GM	471787!
0704-7838	GM	482253	0704-8748	GM	473239	0704-B125	GM	415027	0704-G812	GM	473425
0704-7839	GM	482309	0704-8752	GM	471870!	0704-B126	GM	416865!	0704-G813	GM	472354
0704-7840	GM	482310	0704-8756	GM	340413	0704-B128	GM	417196!	0704-G814	GM	472354!
0704-7841	GM	484054	0704-8759	GM	45013S	0704-B130	GM	471413!	0704-G817	GM	340847

! Industrial Size/Type

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
0704-G821	GM	07043320	GM	0704G906	GM	07412M1	C-R
0704-G822	GM	07043324	GM	0704H249	GM	07412T8	C-R
0704-G823	GM	07043335	GM	0704H602	GM	07424BX	CASE
0704-G824	GM	07043384	GM	0704H602	GM	074961	ALLCH
0704-G825	GM	07043635	GM	0705019	THIOK	074962	ALLCH
0704-G826	GM	07044232	GM	0708-18440LUP	JN-MN	0750-10096LPD	JN-MN
0704-G829	GM	07044352	GM	0709-7918	GM	0750-10099LUP	JN-MN
0704-G831	GM	07044352	GM	07091VM	TRSCM	0750-11693LUP	JN-MN
0704-G832	GM	07044880	GM	07091VM	TRSCM	0750-15015LPD	JN-MN
0704-G835	GM	07044880	GM	070HH104	SPICE	0750-9973LUP	JN-MN
0704-G837	GM	07045479	GM	070HH111	DANA	07512M1	C-R
0704-G838	GM	07045707	GM	070HH114	SPICE	075132TB	TRSCM
0704-G843	GM	07045707	GM	070HH120	DANA	075132TB	TRSCM
0704-G844	GM	07046084	GM	070HH132	DANA	075492	GMC
0704-G898	GM	07046390	GM	070HH132	DANA	075767	ALLCH
0704-G899	GM	07046522	GM	070HH133	SPICE	07580	IH
0704-G900	GM	07046543	GM	070HH133	SPICE	075978	ALLCH
0704-G902	GM	07046620	GM	070HH134	SPICE	075HMS12	C-R
0704-G903	GM	07046749	GM	070HH135	SPICE	0762-12209LUP	JN-MN
0704-G907	GM	07047187	GM	070HH136	DANA	0762-17780LDS	JN-MN
0704-G908	GM	07047187	GM	070HH137	DANA	0762-5291LUP	JN-MN
0704-G917	GM	07047195	GM	070HH137	DANA	0762-9360LUP	JN-MN
0704-G922	GM	07047206	GM	070HH139	SPICE	076243	GMC
0704-G925	GM	07047206	GM	070HH152	SPICE	076717	GMC
0704-G928	GM	07047225	GM	070HH152	VIC	076793	GMC
0704-H287	GM	07047225	GM	070HH163	SPICE	076960	ALLCH
0704-H575	GM	07047231	GM	070HH171	DANA	0775-10688LPD	JN-MN
0704-H577	GM	07047258	GM	070HH187	SPICE	0775-15527LDS	JN-MN
0704-H603	GM	07047278	GM	0710144000	FREIG	0775-8941LUP	JN-MN
0704-H604	GM	07047278	GM	071061VCY	TRSCM	0775-8952LUP	JN-MN
0704-H614	GM	07047312	GM	07109	JAC	077934	GMC
0704-H648	GM	07047312	GM	071118SM	TRSCM	078016	HYST
0704-H678	GM	07047455	GM	07111SB	TRSCM	078133SB	TRSCM
0704-H724	GM	07047526	GM	07111VB	TRSCM	078329	ALLCH
0704-H728	GM	07047570	GM	07111VC	TRSCM	078502	ALLCH
0704-H728	GM	07047570	GM	07111VC	TRSCM	078593	ALLCH
0704-J015	GM	07047583	GM	0712-10379LUP	JN-MN	0787-10021LUP	JN-MN
0704-J298	GM	07047666	GM	0712-12481LUP	JN-MN	0787-18528LUP	JN-MN
0704-J499	GM	07047809	GM	07122SB	TRSCM	0787-9832LUP	JN-MN
0704-J744	GM	07047823	GM	07122SB	TRSCM	0787-9886LUP	JN-MN
0704-K492	GM	07047871	GM	07122SC	TRSCM	079276	ALLCH
0704-K555	GM	07047871	GM	07122TB	TRSCM	079351	ALLCH
0704-K652	GM	07049881	GM	07122TB	TRSCM	079567	GMC
0704-K654	GM	0704A196	GM	07122VTB	TRSCM	079966	ALLCH
0704-K972	GM	0704A199	GM	07123TC	TRSCM	0800-12929LUP	JN-MN
0704-K986	GM	0704A200	GM	0712B	GOODM	0800-14198LUP	JN-MN
0704-K988	GM	0704A208	GM	07132TB	TRSCM	0800-15076LDS	JN-MN
0704-M088	GM	0704A208	GM	07134SSTB	TRSCM	0800-15199LDS	JN-MN
0704-M139	GM	0704A219	GM	07142SB	TRSCM	0800-16080LDS	JN-MN
0704-M142	GM	0704A219	GM	07142TB	TRSCM	0800-16311LUP	JN-MN
0704-M147	GM	0704A221	GM	07143SB	TRSCM	0800-16525LDS	JN-MN
07040808	GM	0704A222	GM	0714B	GOODM	0800-17788LDS	JN-MN
07041102	GM	0704A236	GM	07152TL	TRSCM	0800-5609LUP	JN-MN
07041104	GM	0704B282	GM	071607B	HARWA	080011035LUP	JN-MN
07041116	GM	0704B356	GM	07162TB	TRSCM	0803162	Y-T
07041254	GM	0704B358	GM	07172SB	TRSCM	080457	ALLCH
07041806	GM	0704B882	GM	071822SL	TRSCM	080599	GMC
07041989	GM	0704C508	GM	07182SB	TRSCM	080609	GMC
07041AB	CASE	0704D149	GM	071947	ALLCH	08079	JAC
07042086	GM	0704D149	GM	071947	ALLCH	080974	GMC
07042086	GM	0704F097	GM	07203SB	TRSCM	08111VB	TRSCM
07042110	GM	0704F819	GM	072207A	HARWA	081121SZ	TRSCM
07042356	GM	0704F832	GM	0725-12094LUP	JN-MN	081133SB	TRSCM
07042492	GM	0704F949	GM	0725-18709LPD	JN-MN	081134SA	TRSCM
07042870	GM	0704F949	GM	0725-8951LUP	JN-MN	081142TL	TRSCM
07042873	GM	0704G164	GM	07329AB	CASE	081162TB	TRSCM
07042873	GM	0704G164	GM	073526	AUTOZ	081162VSB	TRSCM
07042962	GM	0704G803	GM	073545	AUTOZ	081172SB	TRSCM
07042962	GM	0704G803	GM	073666	AUTOZ	0812-10347LUP	JN-MN
07042962	GM	0704G810	GM	073784	AUTOZ	0812-10700LPD	JN-MN
07043020	GM	0704G815	GM	073849	AUTOZ	08121SB	TRSCM
07043236	GM	0704G906	GM	074065	EATON	08121VB	TRSCM

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
081241VL TRSCM	5976S	0900-11552LPD JN-MN	55301S	09283-50001 SUZUK	1948	0987501 ITM	TCS45472
081280 GMC	472397!	0900-14490LDS JN-MN	455462	09283-53001 SUZUK	710175	09912M1 C-R	471103!
0812B GOODM	471224!	0900-16554LUP JN-MN	455476*	09283-54001 SUZUK	710239	09914M1 C-R	6863S!
081302VL TRSCM	340413	0900-8819LUP JN-MN	415090	09283-56002 SUZUK	710393	09914Q6 C-R	6863S!
08131VM TRSCM	440131!	0900-8868LUP JN-MN	455462	09283-60003 SUZUK	710333	09916M1 C-R	471442!
08132SB TRSCM	471267!	0900-8948LUP JN-MN	415090	09283-60005 SUZUK	710333	099593 GMC	470059
08132SB TRSCM	471267!	090148 LOKWD	340817	09283-68001 SUZUK	710334	099593 GMC	470380!
08132TB TRSCM	471267	090190 LOKWD	472258!	09283-68002 SUZUK	710334	099856 ALLCH	240023
08132BY TRSCM	471267!	09020AB CASE	415449!	09283-98001 SUZUK	710520	0B443 HART	481537
081369 GMC	472179	0904021 ADAMS	415483!	0928320028 SUZUK	222075	0CB521 CLSTL	480630!
081370 GMC	415449!	0906006 ADAMS	415458!	0928320028 SUZUK	710342	0E1557B FUNK	416888
08142SB TRSCM	471570!	0906027 ADAMS	472164!	0928335024 SUZUK	223552	0N307 CATER	415303!
08142SB TRSCM	471570	0906035 ADAMS	417171!	0928340009 SUZUK	1213N	0S18891 SKF	9316
08142TB TRSCM	471570!	090655 ALLCH	471224!	0928344007 SUZUK	224462	0T265A MINNM	417238
0814477 O-M	472475	09074AB1 CASE	240736	0928344007 SUZUK	44X62X8!	1-88AX253 MACK	417546!
08152SB TRSCM	350877	091023 FRUEH	417172	0928350002 SUZUK	1948	1-C193 NOVO	473016!
08153TC TRSCM	471570	0911045 ADAMS	472164!	09284-45001 SUZUK	710193	1-C198 NOVO	50075=
0815B GOODM	471733	0911046 ADAMS	472018	09284365 ALLCH	415854	1-C199 NOVO	471821!
081607A HARWA	8X16X7	0911047 ADAMS	417349	09285-00002 SUZUK	710330	1-CW109 NOVO	415995!
081626 GMC	416654	0911105 ADAMS	417349	09286-64001 SUZUK	710256	1-EC-0424 WHITE	415437
08162TB TRSCM	471646!	0912-9891LUP JN-MN	55532=	09286-75001 SUZUK	710240	1-ES12699 ROCKW	415449!
08172TB TRSCM	470590	09142TB TRSCM	472324!	09289-48004 SUZUK	710255	1-ES12783 ROCKW	415995!
0817348LPD JN-MN	474253	09142VSB TRSCM	472324	092895 CATER	412473!	1-ES13359 ROCKW	416888!
08182SB TRSCM	471730	09143SA TRSCM	451583!	092926 HI-EQ	471766!	1-ES13360 ROCKW	417533
082025 L&N	240385	09143SB TRSCM	451583!	093132SB TRSCM	471015!	1-ES13362 ROCKW	415035!
082026 L&N	240462	09162SB TRSCM	471648	093132TB TRSCM	340787	1-ES13362 ROCKW	415035
082179 ALLCH	200640	0916B GOODM	471763	093132TB TRSCM	471015!	1-ES13363 ROCKW	417504
082207A HARWA	8X22X7!	09172SB TRSCM	471688	093132TB TRSCM	51015	1-ES13406 ROCKW	417621!
082207A HARWA	9X22X7!	09181WPB TRSCM	240457	093162SB TRSCM	471647	1-ES13802 ROCKW	416865!
082407A HARWA	8X24X7	09203SB TRSCM	482310	093172SB TRSCM	474252!	1-ES14393 ROCKW	415138!
0825-12149LUP JN-MN	415124	092407A HARWA	9X24X7	0933971 ALLCH	470898	1-ES14801 ROCKW	417354!
083011 GMC	417316!	0925-10252LPD JN-MN	415219	09345AB CASE	417344!	1-ES15068 ROCKW	415138!
08319 JAC	340787	0925-12831STLPD JN-MN	415219	09368AB CASE	471579	1-ES15112 ROCKW	417196!
083917 GMC	473367!	0925-16306LDS JN-MN	415219	0937-8823LPD JN-MN	415871	1-ES15113 ROCKW	417181!
083917 GMC	473367	0925-17020LDS JN-MN	415219	09372 JAC	240733	1-ES16007 ROCKW	415351!
084-409-189B AUDI	1188	092607A HARWA	9X26X7	093801 CATER	J1137=	1-ES16098 ROCKW	473475
084-409-189B VW	1188	09262 NAK	90X115X12	093917 GMC	473367!	1-ES16325 ROCKW	416865!
08406294 BL-KN	472070	09282-35002 SUZUK	223540	093917 GMC	473367	1-ES16652 ROCKW	481073
08447 JAC	471466	09282-48003 SUZUK	224820	09391AB CASE	450621	1-ES17764 ROCKW	416654!
08447A JAC	471466!	09283-15002 SUZUK	221510	0940661990 CLIN	470601	1-ES1851 ROCKW	415035
0850-10371LUP JN-MN	417603!	09283-20028 VILA	710342	09439 NAK	32X58X8!	1-ES18511 ROCKW	415035
0850-15024LDS JN-MN	416394	09283-20040 SUZUK	222030	09487 NAK	78X105X10	1-ES18576 ROCKW	471267!
0850-8835LUP JN-MN	417604	09283-26010 SUZUK	222630	0950-16986LDS JN-MN	417606	1-ES18612 ROCKW	415995!
0850-8954LUP JN-MN	417604	09283-26016 SUZUK	222630	0950-8824LUP JN-MN	417606	1-ES20176 ROCKW	471570!
08510 JAC	470954!	09283-28010 SUZUK	222860	09504CH CASE	472287!	1-JG1 KEN	40468
08546HT CASE	200354	09283-32009 SUZUK	710306	0950909 ITM	35316	1-JG10 KEN	412027
08583AB CASE	415458!	09283-32016 SUZUK	710310	0950950 ITM	35315	1-JG2 KEN	472164!
085922 AUTOZ	35001	09283-32016 VILA	710310	0951585 ITM	35292	1-JG3 KEN	416130!
0862-12441LPD JN-MN	417567	09283-32022 SUZUK	3476	09516AB CASE	473475	1-JG4 KEN	6638S
087111VZ TRSCM	340850	09283-32022 SUZUK	710310	0952009 ITM	25598	1-JG5 KEN	7866S
08712M1 C-R	350156	09283-32023 SUZUK	471413!	0952515 ITM	35127	1-JG6 KEN	416654!
08712M1 C-R	473096!	09283-32026 SUZUK	710310	095321243 VW	225110	1-JG8 KEN	475348N
08714M1 C-R	472810!	09283-32038 SUZUK	710310	095321243D VW	225110	1-JG9 KEN	416288
08719 JAC	471224!	09283-32040 SUZUK	710310	095580 ALLCH	417269!	1-SPC22A NOVO	471570!
08721 NAK	85X125X12	09283-32042 SUZUK	710310	0956034 ITM	35094	1.5G18061 NATEN	417433
08731 JAC	472311!	09283-35008 SUZUK	223553	095984 GMC	416654	10 BL-KN	415035!
0875-13789LUP JN-MN	415128	09283-35020 SUZUK	1170	096184SB TRSCM	450040	10 BL-KN	415035
0875-16179STLUP JN-MN	455966	09283-35025 SUZUK	223552	0962-15171LDS JN-MN	416381	10-51 DEXTR	370150A
08754AB CASE	455566	09283-35037 SUZUK	223552	096759 ALLCH	417362!	10-56 DEXTR	417172
08759AB CASE	455566	09283-35037 SUZUK	34X62X10	096760 ALLCH	471271!	10-EJR20 MACK	472560N!
08811 JAC	471571	09283-40013 SUZUK	350572	096761 ALLCH	472164!	100 UNIVE	471689!
088311113C AUDI	222540	09283-40022 SUZUK	710523	09708AB CASE	415458!	1000 TIMKE	5121
088311113C AUDI	25X40X7!	09283-40027 SUZUK	710523	09709AB CASE	415138!	1000 UNIVE	417020
08848 NAK	15X40X7	09283-42003 SUZUK	224200	097127 ALLCH	471224!	1000-044-003 WARNR	4143
088645 GMC	450165	09283-42005 SUZUK	224200	097342 ALLCH	415196!	1000-044-015 WARNR	9613S
088645 GMC	471801!	09283-42008 SUZUK	224200	0975-13809LUP JN-MN	55078S	1000-044-046 WARNR	473237
0887-10333LUP JN-MN	416657	09283-44006 SUZUK	224462	0975-14832STLPD JN-MN	55239=	1000-044-048 WARNR	4141
0887-13436LPD JN-MN	455129	09283-44009 SUZUK	224462	0980912 ITM	TCS45873-1	1000-044-051 WARNR	4141
0887-8943LPD JN-MN	455129	09283-45011 SUZUK	710521	0981000 ITM	TCS45719	1000-044-052 WARNR	4143
0887-9292LPD JN-MN	416657	09283-48003 SUZUK	224820	098348007 SUZUK	224820	1000-044-054 WARNR	473237
089-409-529A VW	239146	09283-48007 SUZUK	224820	098657 AUTOZ	16315	1000-16365LUP JN-MN	417020
08994AB1 CASE	415001!	09283-49002 SUZUK	4904	0987-7340LUP JN-MN	55224*=	1000-17846LDS JN-MN	417020

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
1000-9830LUP JN-MN		417605	100142SB TRSCM		472311	100353 GMC		471750!	10057 C-R		240457*
100001CA SPG		710072	100142SC TRSCM		472311	100355BX SPG		100355	10057LPD JN-MN		416339
100002CA0 SPG		710073	100142TC TRSCM		472311!	100356BX SPG		100557	10057LPD JN-MN		455031!
1000044053 WARNR		472572	10014CP C-R		6863S!	100357 TIMKE		100357	10057LUP JN-MN		416339
1000057M1 MASSE		472311!	10015 C-R		320457	10035741 GMC		425RR	10057LUP JN-MN		455031!
100007 SPG		8610	100150 MICH		471224!	10035LPD JN-MN		473232!	100584 MC-CL		481443!
100008CA SPG		225275	100154BX SPG		100154	10035LUP JN-MN		473232!	100586 CLARK		450129
100011CA SPG		1937	10016 C-R		471442!	10036286 GMC		9845	100586 CLARK		472826!
10001200 UNIVE		417020	100162 MICH		471649!	100362CA SPG		1974	100587 CLARK		451469
100013CA SPG		1938	100162 UNIVE		471649!	100365CA SPG		1932	10058LPD JN-MN		471766!
100014CA SPG		1939	100162SLD MICH		471649!	100366CA SPG		710166	10058LUP JN-MN		471766!
100018CA SPG		225673	100165 TIMKE		100165	10036788 GMC		3698	100593BG SPG		100593
100020CA SPG		1943	100166VD SPG		415995	10036LPD JN-MN		455079!*	100598 CLARK		45187S
100021 MC-CL		471224!	10016M1 C-R		471442!	10036LUP JN-MN		455079!	10059S NATL		410059
100021 SCOT		471224!	10016Q6 C-R		471442!	10037A C-R		412473!	10059S NATL		470380!
100022CA SPG		1205	10016T3 C-R		471442!	100383TX SPG		100383	10059S SPG		410059
100022CA SPG		1205N	100170 MC-CL		350435	100383TXA SPG		100383	10059S SPG		470380!
1000233 C-R		457096V*	1001706 WITTE		470530!	100384TX SPG		100384	10059SS JN-MN		353132
10002406 TROS		471103!	100171 MC-CL		471192	1004 TIMKE		8871	1006 TIMKE		2689S
1000243 C-R		457096V*	10017172 GMC		3698	1004 UNIVE		417570	10060 C-R		240457*
10002804 TROS		6863S!	100175 MICH		471689!	10040 C-R		450593!	1006050 WITTE		340771
10002805 TROS		50199S!	100175 UNIVE		471689!	100408 READY		471763	100608X SPG		100400V
10002805 TROS		6863S!	100176 MC-CL		450159	10041 C-R		450593!	10060LPD JN-MN		473010!
10002806 TROS		50199S!	10017LPD JN-MN		417546!*	100412 VICK		200354	10060LUP JN-MN		473010!
10002806 TROS		6863S!	10017LUP JN-MN		417546!	100412VGR SPG		5370	100610BG SPG		100610
10003204 TROS		471442!	10018 C-R		472705!	100414 CLARK		345146	10062 SPG		474264
10003205 TROS		471442!	1001816M1 MASSE		471554!	100419 CLARK		40316S	100624VJ8 SPG		4525V
10003206 TROS		471442!	100182 UNIVE		450593!	1004416M1 MASSE		471264	10062LPD JN-MN		417596
100034BXO SPG		100034	100182TB TRSCM		450593!	1004418M1 MASSE		240119	10062LUP JN-MN		417596
10003604 TROS		472705!	100183 MICH		450593!	10044LPD JN-MN		416706!	10063 DEXTR		370219A
10003606 TROS		472705!	1001837 MASSE		471649!	10044LUP JN-MN		416706!	10063LPD JN-MN		416364!
100040 C-R		417605	10018632 GMC		3698	100452BX SPG		100452	10063LUP JN-MN		416364!
10004004 TROS		351487	100187 MICH		471733	10046337 GMC		5778	100641SSR SPG		100641
100041 C-R		417605	100187 UNIVE		471733	100469BX SPG		100469	10065600 GMC		4307V!
100042 C-R		417605*	10019 BU-SP		415138!	10047 C-R		450593* =	10065600 GMC		5273
100044 C-R		456483* =	10019 C-R		471689	100471BX SPG		100471	100658HA SPG		228480
10004460 FIAT		223035	100190VAR SPG		100190	1004790 KELSE		253099	100658HA1 SPG		228480
100044HA IH		340787	1001938M1 MASSE		353132	1004899M1 MASSE		472560N	10065LPD JN-MN		415303!
100045 C-R		417020	100196BX SPG		100196	10049 C-R		450593!	10065LUP JN-MN		415303!
10004802 TROS		240735	100198 MICH		471744!	10049 C-R		450593	10066 C-R		450593!
10004LPD JN-MN		417344!	100198 UNIVE		471744!*	10049 SPG		471750!	10066 C-R		450593
10004LUP JN-MN		417344!	100199TD SPG		100199	100490BX SPG		100490	100664SS SPG		9599S
10005 SPG		471526!	100200 MICH		471760	1004911 ALLCH		471267!	100667 CLARK		473473
100050 C-R		417020	100200 UNIVE		471760	100494 TIMKE		100494	10067 C-R		450593!
1000503M1 MASSE		471466!	1002021 WITTE		473467!	100495 TIMKE		100495	10067 C-R		450593
100051 C-R		417020	100202SB TRSCM		471619!	100496 MC-CL		471267!	10067 SPG		473228!
10005175 GMC		3698	100206 MICH		471619!	100497V SPG		710452	100675 TIMKE		100675
10005176 SELAS		3698	100206 UNIVE		471619!	1005 TIMKE		8705S	100675VA8 SPG		100675
1000549M1 MASSE		471224!	10021 C-R		471689!	10050 C-R		450593!	100675VA8 SPG		719316
100058 TIMKE		100058	10021LPD JN-MN		455121	10050 C-R		450593	1006864 ALLCH		415196 =
1000580 C-R		417020	10021LUP JN-MN		455121	10050LPD JN-MN		415458!	100696VJ8 SPG		100696
100066R91 IH		416654	10022 AMC		450033	10050LUP JN-MN		415458!	1007 TIMKE		5699
100067BX SPG		100067	10023 C-R		471689!	100518BX SPG		100518	1007+2007 STEM		416865
100075 C-R		417020	10024A3 DIA		5481\$	10052 CLARK		416956	1007+2096 STEM		416865
10008 C-R		471689	100251CA SPG		3357	100522 CLARK		415449!	1007+320-2007 STEM		416865
100080014.5 TROS		417602!	10026 FITZ		472082	10053 C-R		450593!	10070 SPG		472185!
100085 TIMKE		100085	100263 TIMKE		100263	10053 C-R		450593	100700 CLARK		472015!
100098 CUMMI		481397	100269 CLARK		473234	10053LPD JN-MN		450165	10070R IH		412119!
1000A80012 TROS		417602!	10027 C-R		204005	10053LPD JN-MN		471801!	10070SB SPG		472185!
1001 TIMKE		473317	10030 C-R		203005!	10053LUP JN-MN		450165	100712VJ8 SPG		100712V
1001159B HARWA		100X115X9	10030-D2 REO		370007A	10053LUP JN-MN		471801!	100713VA8 SPG		100713V
100115R91 IH		471224!	10030501 WITTE		473467!	10054 C-R		450593!	100715VJ8 SPG		100715V
10012 C-R		471103!	10031 C-R		204005	10054 C-R		450593	10071S SPG		472439
1001206TA TRSCM		417020	100310BX SPG		100310	10054563 GMC		331210V	1007240M1 MASSE		408
100120R CASE		473414	1003344 ALLCH		415145N =	10054563 GMC		5210	100725RR8 SPG		9316
10012M1 C-R		471103!	10033593 GMC		224255*	10054LUP JN-MN		473234!	100736BXR SPG		100736
100130 CLARK		55646 =	10033594 GMC		710179	100550VJ8 SPG		719316	10073LPD JN-MN		416556!
10014 C-R		6863S!	10034 C-R		203005!	100557 TIMKE		100557	10073LPD JN-MN		472157
10014013A HARWA		100X140X13	10034 C-R		205005	10055LPD JN-MN		470625!	10073LUP JN-MN		416556!
100141BX SPG		100141	10034D5 DIA		415458!	10055LUP JN-MN		470625!	10073LUP JN-MN		472157
100142BX SPG		100263	10034R IH		471785!	100564 MC-CL		481443!	10075 C-R		471733
100142SB TRSCM		472311!	10035 C-R		204005	100566VA SPG		100566	10075 UNIVE		471689!

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
10077	C-R	471733*	1010	DEXTR	413470!	10124	C-R	471760	10142LPD	JN-MN	416297
10078	C-R	471733*	1010+2031	STEM	370013A	101246	MC-CL	330385	10142TB	TRSCM	471224!
10079	C-R	471733	1010+2046	STEM	370013A	1012461	MC-CL	330385	10142TBY	TRSCM	471224
1007A3	WHITE	412119!	1010+320-2031	STEM	370013A	10125	C-R	471760	10142TBY	TRSCM	471224!
1007VB7	MARI	415227!	1010+320-2046	STEM	370013A	10125	UNIVE	50445	10142VTB	TRSCM	471224!
1008	BUSHH	471984	10100	C-R	471733	101255	CLARK	415458!	101443	ALFAR	713005
1008	SPG	473010!	10100LPD	JN-MN	417433	10126	C-R	471760	101448	CLARK	417351!
1008	TIMKE	2146	10100LUP	JN-MN	417433!	101260	SPERY	473462	10145	C-R	471760*
1008	UNIVE	415227!	10101	SPG	412119!	101277	TW-CO	450165	1014734	CINMI	472185!
1008+2018	STEM	471734	10101164	GMC	2261	101277	TW-CO	471801!	10149	C-R	471760
1008+2105	STEM	370054A	10104	C-R	50462*	10128	C-R	471760	101497	CLARK	471766!
1008+2164	STEM	370150A	101044	MC-CL	450545	10128317	GMC	324234V	1014RING+320-2014	STEM	370030A
1008+320-2018	STEM	471734	101045	MC-CL	470506!	101285	TW-CO	450165	1015	FMS	1015N
1008+320-2105	STEM	370054A	10108	C-R	240462*	101285	TW-CO	471801!	1015	TIMKE	1015
1008+320-2164	STEM	370150A	101082	COOK	456618	10129	C-R	471760	1015	TIMKE	9406S
10081225	UNIVE	417570	101083	WHELA	416891!	10129	SPG	472826!	10151LPD	JN-MN	417546!
10082	C-R	471733	10108477	GMC	4359V	101295C1	IH	473231!	10151LUP	JN-MN	417546!
10083	SPG	472924!	101097	ALFAR	713008	10129LPD	JN-MN	417493	1015243M1	MASSE	203025
10085	SPG	470530!	1011	SPG	471192	10129LUP	JN-MN	417493	10152LPD	JN-MN	417556
100855301	EATON	HU009A	1011	TIMKE	9406S	1012N	SPG	45X62X8	10152LUP	JN-MN	417556
100855302	EATON	HU009A	1011004M1	MASSE	471224!	1012N	TIMKE	1012N	10152VB	TRSCM	471270!
100858201	EATON	370001A	1011035	WOOL	415960!	1012S	TIMKE	1012	10153	C-R	471760
100858201	EATON	380001A	1011056	DURA	473236!	1013	SPG	472492!	101533	BU-SP	415379
100858401	EATON	370001A	1011057	DURA	473197	1013	TIMKE	9049	101533	BU-SP	415379!
100858401	EATON	380001A	10110LPD	JN-MN	415559*	1013	TIMKE	9049N	10153SA	TRSCM	471076
100859	CUMMI	472705!	10110LUP	JN-MN	415559	1013+2003	STEM	370036A	10153SA	TRSCM	471076!
10085NA	SPG	470530	101116A	OLIVE	340413	1013+2013	STEM	370036A	10154LUP	JN-MN	456641*
10087LPD	JN-MN	416921!	10111769	GMC	9845	1013+2013	STEM	370349A	10155	C-R	471760
10087LUP	JN-MN	416921!	10111LPD	JN-MN	471862*	1013+2013	STEM	380036A	10155TA	TRSCM	471224
10088158	GMC	4359V	10111LUP	JN-MN	471862	1013+2109	STEM	370036A	10156	C-R	471760
10088158	GMC	5274	10112	C-R	240462	1013+2109	STEM	370349A	10156051	GMC	4307V!
100884	C-R	455123	10112635	GMC	5778V	1013+2109	STEM	380036A	10157	C-R	472138*
1008VB7	MARI	415227!	10112663	GMC	7457N*	1013+320-2003	STEM	370036A	101572TB	TRSCM	473380
1009	TIMKE	331301N	10114	C-R	471744!	1013+320-2003	STEM	370349A	10158	C-R	471619!
1009+2043	STEM	370015A	101147	CLARK	473228	1013+320-2003	STEM	380036A	101584	MC-CL	340797
1009+2181	STEM	370015A	10115	C-R	471744!	1013+320-2086	STEM	471507	10159	C-R	471619!
1009+320-2043	STEM	370015A	10115	SPG	473467!	1013+320-2109	STEM	370036A	10159	C-R	471619
1009+320-2181	STEM	370015A	101151	CLARK	473367!	1013+320-2109	STEM	370349A	101590	CLARK	415036
100927	HK-SY	8907	10115744	GMC	4307V!	1013+320-2109	STEM	380036A	101590	TW-CO	415036
100944	CLARK	416271!	10116	C-R	471744!*	101300	MC-CL	340787	101595	COOK	55522=
10096	C-R	471733	101162	UNIVE	481650	101303	MC-CL	450545	1015N	TIMKE	1015N
10096LPD	JN-MN	415551	10117	C-R	471744!*	101305	MC-CL	471267!	1016	TIMKE	9178S
10096LUP	JN-MN	415551	10117728	GMC	3543	101306	MC-CL	340817	10160	C-R	471619!
10097	CLARK	472015!	10117848	GMC	9613S	10131	C-R	471760	10160	C-R	471619
100971	GMC	6846S=	101180	CUMMI	471984	101311VL	TRSCM	342517	10161	C-R	471619
10097LPD	JN-MN	417344!	101181	CUMMI	473229	101314	WHITE	370007A	10161	C-R	471619!
10097LUP	JN-MN	417344!	101191	GMC	416239!	101316M1	MASSE	473459	10161250	UNIVE	415227!
10099LPD	JN-MN	415551	1011J-1	OSHKO	415035	101316M2	MASSE	473459	10162	C-R	471619
10099LUP	JN-MN	415551	1011J-1	OSHKO	415035!	10132	SPG	412920!	10162	C-R	471619!
10099P	IH	473447	1012	BR-WN	472560N!	10132LPD	JN-MN	415371	10162	SPG	471765!
100A03604	TROS	472705!	1012	TIMKE	9912	10132LUP	JN-MN	415371	10162078	GMC	474241V!
100B02806	TROS	50199S!	1012	UNIVE	55228=	10132SB	TRSCM	252277	10162SB	TRSCM	471649!
100B02806	TROS	6863S!	1012+2016	STEM	417505	10132SB	TRSCM	441130!	10162TB	TRSCM	471649!
100E1190	FORD	1070=	1012+320-2010	STEM	370033A	10132TBY	TRSCM	252277	10163	C-R	471619!
100E7657	FORD	2551	1012+320-2012	STEM	370023A	10133	C-R	471760	10163	C-R	471619
100F16	C-R	471442!	1012+320-2012	STEM	380023A	101342	HU-WR	415036	10163SA	SPG	471766!
100FM16	C-R	471442!	1012+320-2016	STEM	417505	10135	SPG	471192	10163SM	TRSCM	471651
100HMS16Q6	C-R	6863S!	10120	C-R	471760*	101362	AM WH	415035	10164LPD	JN-MN	412473!
100ML16Q6	C-R	471442!	10120	SPG	471224!	101362	AM WH	415035!	10164LUP	JN-MN	412473!
100W2	REO	HU024A	10120LPD	JN-MN	412040	101366	MC-CL	473425	10164SSTM	TRSCM	471649
100X115X9	SIMRT	100X115X9	10120LUP	JN-MN	412040	101367	MC-CL	472164!	10164T2	DIA	415995!
100X120X10AN	ISP	100X120X10	10121	C-R	471760*	101368	MC-CL	473425	10164T2	WHITE	415995!
100X120X10AN(35)	ISP	100X120X10	1012141M1	MASSE	204002	10136S	SPG	470625!	10165LPD	JN-MN	415303!*
100X120X12SC	TRSCM	100X120X12	101216	CLARK	416921!	1014	TIMKE	3357	10165LUP	JN-MN	415303!
100X120X12TC	TRSCM	100X120X12	101216	MIXMO	416921!	1014+2014	STEM	370030A	101678A	WHITE	473517!
100X125X12SC	TRSCM	100X125X12	10121LPD	JN-MN	415449!	1014+2117	STEM	370030A	101679A	OLIVE	417349
100X125X12TC	TRSCM	100X125X12	10121LUP	JN-MN	415449!	1014+320-2014	STEM	370030A	101679A	WHITE	417349!
100X130X12SC	TRSCM	100X130X12!	10121VM	TRSCM	240731	1014+320-2117	STEM	370030A	10167T2	WHITE	47181!
100X130X12TC	TRSCM	100X130X12!	1012219M1	MASSE	471750!	10140533	GMC	223520!	101685	HU-WR	415379!
100X140X13	SIMRT	100X140X13	1012253-5	MC-CL	340797	10140538	GMC	4333N	101685	HU-WR	415379
100Z16	C-R	471442!	101225E	MC-CL	340797	10141	SPG	470954!	10168582	GMC	4359V
101	UNIVE	471735	10123	C-R	471760	10141VB	TRSCM	471224	101687	EATON	927112

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
10169	ALLCH	472157!	10193	C-R	26X42X10	102206	UNIVE	473420	1025-4873LUP	JN-MN	417570
10169	ALLCH	472157	10193TB	TRSCM	471744!	102207A	HARWA	10X22X7!	10250	C-R	26X52X8
10169	TRAC	472157!	1019646	DURA	472311!	102207XX	TIMKE	10X22X7	102507XX	TIMKE	10X25X7
10169	TRAC	472157	1019S	TIMKE	1019	1022132	DURA	254287	10250LPD	JN-MN	473234
101691A	OLIVE	472258!	101SP15	MACK	5M867	1022132	MOTO	254287	10250LUP	JN-MN	473234
101691A	WHITE	472258!	101VB7	MARI	471224!	1022309	WOOL	416339	102513	HOUGH	417316!
1016B	GOODM	471766!	102	C-R	5414	1022309	WOOL	455031!	102513H1	HOUGH	417316!
1017	TIMKE	5113	102	DEXTR	473235	102265	HOUGH	417539!	1025174M1	MASSE	6936S
1017+2017	STEM	418028	102	UNIVE	470712!	102265H1	HOUGH	417539!	102520	C-R	55441=
1017+320-2017	STEM	418028	102-W2	REO	HU028A	10227	WITTE	415697!	10252LPD	JN-MN	415219
10171	C-R	222630	1020	TIMKE	442380	10227	WITTE	455547	10252LUP	JN-MN	415219
10171	C-R	26X38X5!	10200	C-R	26X45X8	10228655	GMC	9845	10253	C-R	26X52X8
10171	GW	415035!	102001	HOUGH	417967!	102292	CLARK	470334!	1025354M1	MASSE	5092 \$
10171	GW	415035	102001H1	HOUGH	417967!	10229LPD	JN-MN	471571*	10253LPD	JN-MN	473243*
101712A	WHITE	311189	10201LPD	JN-MN	416865!	10229LUP	JN-MN	471571	10253LUP	JN-MN	473243
1017293M1	MASSE	240356	10201LUP	JN-MN	416865!	1023	TIMKE	8704S	102540	C-R	417570*
10172LPD	JN-MN	470625!	10202A	C-R	450593!	1023+2004	STEM	370107A	102550	C-R	417570
10172LUP	JN-MN	470625!	10202TB	TRSCM	471760	1023+2023	STEM	370065A	102551	C-R	417570
10172TB	TRSCM	471689!	10202VHY	TRSCM	471760	1023+320-2004	STEM	370107A	102553	GMC	417298
10172TBY	TRSCM	471689!	10202VTB	TRSCM	471760	1023+320-2031	STEM	370065A	1025611	CANAD	415447
10172VAY	TRSCM	471689	1020372	CANAD	416865!	1023+320-2031	STEM	380065A	102577	MC-CL	481443!
10172VTB	TRSCM	471689!	10205	C-R	710053	10230	C-R	222655	10258LPD	JN-MN	417780
10173	C-R	222630	10205	GW	471567!	10230	C-R	26X48X7!	10258LUP	JN-MN	417780
10173	C-R	26X38X5!	102053	MC-CL	481443!	10230	SPG	471689!	10259LPD	JN-MN	470898
101732	FR-HT	41013S	10206	GW	471554!	10234	DANMA	204002	10259LUP	JN-MN	470898
101736	FORD	471192	102062SB	TRSCM	473420	10234F	IH	473462	1026	TIMKE	3677
10173SA	TRSCM	471689	10206D	IH	473447	1023564	DURA	473231!	1026+2025	STEM	370019A
10173TB	TRSCM	471744!	102078	KELSE	204035	10236	SPG	470712!	1026+2026	STEM	370019A
10174VB	TRSCM	203005!	10207LPD	JN-MN	471870!	102361	CLARK	473464	1026+2114	STEM	370019A
10174VB	TRSCM	205005	10207LUP	JN-MN	471870!	102365	C-R	260X300X20	1026+2131	STEM	370019A
10174VHY	TRSCM	204005	10207P	IH	471570!	1023682	CANAD	471272!	1026+320-2025	STEM	370019A
10176T2	WHITE	240735	102087	CLARK	415458!	1023682	HK-SY	471272!	1026+320-2114	STEM	370019A
10177	C-R	26X37X7	10208LUP	JN-MN	415449!	1023684	CANAD	470898	1026+320-2131	STEM	370019A
101773TA	TRSCM	471689	102092	GRAM	474276!	1023780	DURA	471554!	102602	HYST	455471
101779	HU-WR	471692!	1021	FMS	1021V	1023781	DURA	473214!	102607A	HARWA	10X26X7
10178	C-R	471516	1021	TIMKE	1021	1023782	DURA	450039	102607XX	TIMKE	10X26X7
1017B	GOODM	471795	1021	TIMKE	3087	1023783	DURA	471231!	10261	SPG	473466
1018+2016	STEM	417506	1021+2021	STEM	370027A	1023786	DURA	471267!	102610	CLARK	410308!
1018+2029	STEM	370008A	1021+2092	STEM	370027A	1023787	DURA	470712!	102627	GMC	473466
1018+2104	STEM	417506	1021+320-2021	STEM	370027A	1023869	CANAD	472636!	10265	SPG	473235!
1018+320-2016	STEM	417506	1021+320-2092	STEM	370027A	1023914	CANAD	472016!	10267LPD	JN-MN	415294!
1018+320-2029	STEM	370008A	10210	C-R	26X46X8	1023914	HK-SY	472016!	10267LUP	JN-MN	415294!
1018+320-2104	STEM	417506	102101	GRAM	410308!	1023915	CANAD	472164!	102683	AM WH	472185!
10180	C-R	6855N=	102119	CLARK	415697!	1023915	HK-SY	472164!	1026A3	WHITE	472157
1018066M1	MASSE	471529	102119	CLARK	455547	1023916	CANAD	471138!	1026X1	PEERC	252277
10181	C-R	26X40X7!	102122	MICH	417570	10240	C-R	26X50X8	102705	CLARK	473238
10181	C-R	710316	10213013C	HARWA	102X130X13	10240	FUNK	416888	10272LPD	JN-MN	455328*
1018103	DURA	471224!	102157	CLARK	455556	102407A	HARWA	10X24X7	10272LUP	JN-MN	455328
101823	CINMI	472179	102168	UNIVE	470606!	102407XX	TIMKE	10X24X7	1027514	WHITE	HU009A
10183	SPG	472179	1021688	CANAD	473204	102408A	OLIVE	416738!	1027520	WHITE	HU149A
10183LPD	JN-MN	450593!	1021721	CANAD	471854!	1024094	CANAD	417254	102766	US-EL	472951
10183LUP	JN-MN	450593!	1021743	CANAD	J1109	1024116	CANAD	471734	102766	US-EL	474252
10184LPD	JN-MN	472029	102175	MICH	471705!	1024125	CANAD	416380!	102767	US-EL	474255
10184LUP	JN-MN	472029	102175	UNIVE	471705!	1024126	CANAD	J1131	102768	US-EL	473214!
101868	MC-CL	350364	102178	MC-CL	240119	10241275	UNIVE	55228=	102769	US-EL	471764!
101872TB	TRSCM	471733	10218	C-R	222650	102430	MC-CL	471766!	10276A	C-R	412871!
10188	C-R	26X42X7!	10218	C-R	26X47X7!	1024301	MC-CL	471766!	102776	US-EL	472951
10188	C-R	710399	102182	UNIVE	473419	10243247	GMC	9845	102776	US-EL	474252
1018B	GOODM	450165	102183	MICH	473419	1024387	DURA	473446	10278A	C-R	473367
1018B	GOODM	471801!	102187	MICH	471735	1024388	DURA	471105!	10278A	C-R	473367!
1018D	GOODM	450165	102187	UNIVE	471735	10243965	GMC	9845	1028	SPG	472299
1018D	GOODM	471801!	102188	C-R	415124	10243TB	TRSCM	471516!	1028	TIMKE	41257!
1019	TIMKE	471271!	10219	SPG	471649!	10243TC	TRSCM	471516	1028+2009	STEM	370057A
101907XX	TIMKE	10X19X7	102190	C-R	455476	102443	CEMAC	473215!	1028+2028	STEM	370007A
10190LPD	JN-MN	476510=	102198	MICH	450342	1024645	DURA	471733	1028+2041	STEM	370057A
10190LUP	JN-MN	476510=	102198	UNIVE	450342*	1024652	DURA	471652	1028+320-2009	STEM	370019A
10191	C-R	26X42X10!	1021V	TIMKE	1021V	1024683	DURA	471297N=	1028+320-2028	STEM	370007A
10191640	GMC	3945	1022	SPG	471787!	1024861	CANAD	J1103	1028+320-2041	STEM	370057A
1019229M1	MASSE	470954!	1022	TIMKE	6960	10249LPD	JN-MN	417351!	10283TB	TRSCM	472953
101926	CLARK	40627S=	10220	C-R	26X47X7	10249LUP	JN-MN	417351!	10285LPD	JN-MN	415036*
101928	CLARK	473232!	102200	MICH	471762!	1025	TIMKE	8121S	10285LUP	JN-MN	415036
101929	CLARK	470530!	102200	UNIVE	471762!	1025+2137	STEM	370107A	1028872	FMC	476470

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
10289LPD	JN-MN	471341!	103223	CLARK	417210!	10364LPD	JN-MN	416664!	1040	YARD	471570!
10289LUP	JN-MN	471341!	10324	C-R	50209*	10364LUP	JN-MN	416664!	104037	FR-HT	471787
1028A2	WHITE	470530!	10324	US-EL	472636!	10365	C-R	471705!	10403LPD	JN-MN	471231!
1029	TIMKE	6840S	10325	GW	415088	10365	SPG	470898	10404	CR-CF	471791
10293	CASE	473467	10325	GW	415088!	103650	CLARK	472924!	104046	CLARK	240319
102936H1	HOUGH	470530!	103254A	OLIVE	471192	10365A	NOK	5126	104046X03	TROS	7929S
102936H1	IH	470530!	103254A	WHITE	471192	10368	BR-WN	410102	10404802	TROS	240816
102940	MC-CL	481073	10327	C-R	50209	10368	C-R	471689	10404LPD	JN-MN	473214
1029402	MC-CL	481073	10329LUP	JN-MN	476272=	103681	CLARK	40101S	10404LUP	JN-MN	473214
10294B1	DIA	417267	1033	SPG	330385!	103682A	OLIVE	472492=	10405LPD	JN-MN	474274
102963	HOUGH	470530!	10330	C-R	471224!*	1036836M1	MASSE	350936	10405LUP	JN-MN	474274
102976	HOUGH	472185!	10332LPD	JN-MN	55199=	103686	CLARK	456105	1040600	ROCKW	4564V
102976H1	HOUGH	472185!	10332LUP	JN-MN	55199=	1036RC	SUL	473460	104062	CLARK	450472!
102979	MC-CL	471267!	103330R1	IH	470059	1037	TIMKE	1037	10406LPD	JN-MN	471763
102999	CUMMI	473211!	103330R1	IH	470380!	1037	TIMKE	1192	10406LUP	JN-MN	471763
102VB7	MARI	471760	103331R91	IH	473238	1037+2033	STEM	370048A	104078	FR-HT	204017
102X130X13	SIMRT	102X130X13	10333LUP	JN-MN	416657	1037+2040	STEM	370037A	1041	TIMKE	1041
102X130X13SC	TRSCM	102X130X13	103341	HU-WR	415449!	1037+2118	STEM	370037A	1041	TIMKE	413248
102X130X13TC	TRSCM	102X130X13	10334LPD	JN-MN	416891!*	1037+2118	STEM	370038A	10410	BU-SP	471570!
103	DEXTR	441319	10334LUP	JN-MN	416891!	1037+2137	STEM	370048A	104125	MICH	415227!
103	UNIVE	471765!	10336LPD	JN-MN	17X40X7*	1037+320-2033	STEM	370048A	104156	CLARK	455019!
103-C6002	EIMCO	476838!	10336LUP	JN-MN	471579	1037+320-2033	STEM	380048A	104156	MICH	350156
103-W2	REO	HU034A	1033812	C-R	417022	1037+320-2040	STEM	370037A	104156	MICH	473096
1030	SPG	471571	10339	C-R	481650*	1037+320-2040	STEM	370338A	10416	FULLE	415991
1030	TIMKE	1196	1034+2034	STEM	370012A	1037+320-2137	STEM	370048A	10416	FULLE	415991!
103006	COOK	415991	10342	C-R	481650*	1037+320-2137	STEM	380048A	10416	MWKEL	470954
103006	COOK	455146!	1034398	DURA	472311!	10371LPD	JN-MN	417603!	104175	UNIVE	471692!
103015	COOK	415196!	10345	C-R	481650	10371LUP	JN-MN	417603!	104181R91	IH	50199S!
10301LPD	JN-MN	411253!	1034557	DURA	254287	10372	C-R	473419!	104181R91	IH	6863S!
10301LUP	JN-MN	411253!	1034557	MOTO	254287	10372	C-R	473419	104182	UNIVE	476838!
103027	COOK	417343!	10345LPD	JN-MN	410496!	103730A	OLIVE	456105	104183	MICH	476838!
10302LPD	JN-MN	417361	10345LUP	JN-MN	410496!	103730A	WHITE	456105	104187	MICH	470712!
10302LUP	JN-MN	417361	10346	C-R	471651	103734	KELSE	471192	104187	UNIVE	470712!
103034	COOK	415991	103465	CLARK	471717!	1037464M1	MASSE	200861	10418LPD	JN-MN	472636!
103034	COOK	455146!	103474	FR-HT	417343!	103781	CLARK	40268=	10418LUP	JN-MN	472636!
10303LPD	JN-MN	416666	10347LPD	JN-MN	455123	10379LPD	JN-MN	416239!*	104198	MICH	471747!
10303LUP	JN-MN	416666	10347LUP	JN-MN	455123	10379LUP	JN-MN	416239!	104198	UNIVE	471747!
103047	FR-HT	472572!	1035	TIMKE	3395!	1038	TIMKE	1038	1042	TIMKE	292594
10304LPD	JN-MN	415960	1035055	BENDI	330385	1038	TIMKE	9762S	104200	MICH	471763
10304LUP	JN-MN	415960	103516A	OLIVE	473459	103802	HU-WR	471765!	104200	UNIVE	471763
10305LPD	JN-MN	418028	103516A	WHITE	473459	103805	HU-WR	415442!	104206	MICH	471785!
10305LPD	JN-MN	455137!	10352	SPG	472164!	103805	HU-WR	55442	104206	UNIVE	471785!
10305LUP	JN-MN	418028	103569	CLARK	353141!	10380LPD	JN-MN	472185!	1042535	CANAD	40097S
10305LUP	JN-MN	455137!	10357	C-R	470606!	10380LUP	JN-MN	472185!	1042599	FMC	472924!
10306	WITTE	471750!	10358SA	SPG	473231!	10381	MWKEL	471224	10426LPD	JN-MN	471354!
103062	ONAN	330385	1035972	DURA	471255!	10381LPD	JN-MN	455330!	10426LUP	JN-MN	471354!
10306LPD	JN-MN	417196!*	1035972A	DURA	471255!	10381LUP	JN-MN	455330!	10427	BR-WN	416364!
10306LUP	JN-MN	417196!	1035972A	MOTO	471255!	10382LPD	JN-MN	415142	1042804	FMC	240414
103079	CUMMI	473232!	1035978	DURA	471643!	10382LUP	JN-MN	415142	104288	CLARK	473016!
103080	CUMMI	473010!	1035978A	DURA	471643!	10384	BR-WN	472015!	1043	TIMKE	8705S
103081	CUMMI	472409	1035978A	MOTO	471643!	10384LPD	JN-MN	415036	1043+2021	STEM	370086A
103082	CUMMI	471571	1036+2011	STEM	370002A	10384LUP	JN-MN	415036	1043+320-2034	STEM	370012A
103084	MC-CL	471267!	1036+2031	STEM	370002A	103861	CLARK	40101S	1043+320-2041	STEM	370015A
10308S	SPG	410308!	1036+2032	STEM	370002A	103862-1	CROWN	JV1371	1043+320-2041	STEM	370192A
1031	TIMKE	6815	1036+2036	STEM	370001A	10389	FULLE	450400	10432LPD	JN-MN	471272!
103115	GRAM	472179	1036+2046	STEM	370002A	103894	AIRCO	470530!	10432LUP	JN-MN	471272!
10311LPD	JN-MN	455330!*	1036+2119	STEM	370179A!	1039	NATL	226020	10433	BR-WN	J1138
10311LUP	JN-MN	455330!	1036+2133	STEM	370132A	1039	NATL	60X80X8!	104365	EATON	415458
103136R	US-EL	340817	1036+320-2011	STEM	370002A	1039	TIMKE	8705S	104368	EATON	416654!=
10316SA	SPG	472636!	1036+320-2013	STEM	370036A	103935	CLARK	415025	104372	MC-CL	470380!
103182	UNIVE	450044	1036+320-2013	STEM	370349A	103939	GMC	417555!	104381	KELSE	6906S
103183	MICH	450044	1036+320-2013	STEM	380036A	103964	CLARK	40566S	104396	GMC	471554!
103185	CLARK	417181!	1036+320-2031	STEM	370002A	103993	KELSE	3942	1043RC	SUL	471821!
103194	C-R	55532=	1036+320-2032	STEM	370002A	10399301	KELSE	3942	1044	TIMKE	4250
1032	TIMKE	3195	1036+320-2036	STEM	370001A	103D6	WHITE	5751	10441S	SPG	471341!
10320	C-R	50209*	1036+320-2036	STEM	380001A	103E27	EIMCO	417344!	104432	HOUGH	470059
10320	US-EL	451583!	1036+320-2046	STEM	370002A	103VB7	MARI	471766!	104432	HOUGH	470380!
103200	MICH	450159	1036+320-2119	STEM	370179A!	104	BL-KN	55193=	104436	HOUGH	472179
103200	UNIVE	450159	1036+320-2133	STEM	370132A	104	DEXTR	442251	104437	HOUGH	473238
10321	C-R	50209	103604	AIRCO	415295	104	UNIVE	471766!	10443LPD	JN-MN	417258
10321	US-EL	450400	10364	C-R	471705!	104-W2	REO	HU066A	10443LUP	JN-MN	417258
10322	SPG	412040	103641	CLARK	471264!	1040	TIMKE	1198	10447	BR-WN	415146!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
10447	BR-WN	415991	105051	C-R	7973S*	105470X1	IH	200766	10616SS	JN-MN	471692!*
104470	CLARK	471344	1050580	C-R	415227!	105471C1	IH	200603	10617SS	JN-MN	40183S!
1045	SPG	473238!	10506	FULLE	451143	105471X1	IH	200603	1061822SL	TRSCM	473419
104511	CLARK	411376!	105065	C-R	7973S	105496	HU-WR	472397!	106182SB	TRSCM	471735
1045273	WHITE	370003A	105067	C-R	7639S	105497	HU-WR	417073	10618SS	JN-MN	40301S
104541	CLARK	411376!	105070	GMC	417602!	1055	TIMKE	5109	106192SB	TRSCM	450342
10454LPD	JN-MN	417507	105086	KELSE	204029	105504	PREST	350364	106198	MICH	473426
10454LPD	JN-MN	417507!	105086	KELSE	204507!	10551	C-R	480210!	106198	UNIVE	473426*
10454LUP	JN-MN	417507	10509	LEMCO	412119!	10551SS	JN-MN	331107N	10619SS	JN-MN	415449!
10454LUP	JN-MN	417507!	105093	C-R	415227!	10552	C-R	480210!	1062	TIMKE	1188
104564	HOUGH	473215!	105094	DENCO	473231!	105523	OLIVE	411253!	1062+2057	STEM	370047A
104564H1	HOUGH	473215!	10509LUP	JN-MN	415076	10553SA	SPG	471224!	1062+320-2057	STEM	370047A
104603	HOUGH	415449!	1051	TIMKE	8835S	1056	TIMKE	2146	106200	MICH	471765!
104603H1	HOUGH	415449!	10513LPD	JN-MN	410737!	105623	HU-WR	471504!	106200	UNIVE	471765!
104603H1	IH	415449!	10513LUP	JN-MN	410737!	10562A	FULLE	412871!	106201	CLARK	415371
104610	US-EL	340413	105142173001	ALFAR	224100	105640117700	ALFAR	228480	106202SB	TRSCM	471762!
104620	HOUGH	472924!	105142173001	ALFAR	40X65X10!	105674H	IH	412920!	106206	MICH	471354!
104620H1	HOUGH	415082	10515	C-R	480210!*	10567SA	SPG	471267!	106206	UNIVE	471354!
104634	SPICE	415001!	10515	C-R	9376	10568	C-R	9376	106212	MICH	473205
10464	IH	471689!	105182	UNIVE	450482	105683A	OLIVE	471529	106212	UNIVE	473205
10464R	IH	471689!	105198	MICH	473428*	10569LPD	JN-MN	474255	106216R91	IH	472311!
10468	MWKL	6597S	105198	UNIVE	473428*	10569LUP	JN-MN	474255	106218R91	IH	474278
1046816	C-R	417604	105199R91	IH	474278	1057	TIMKE	3348	106219R91	IH	474276!
104690	C-R	455462	1052	TIMKE	473228	10572	C-R	340210	106222	CHAMP	415458!
1047+2051	STEM	370029A	1052+2050	STEM	370145A	105725	OLIVE	472144!	106220R91	IH	450400
1047+320-2051	STEM	370029A	1052+320-2050	STEM	370145A	10575F	IH	473211!	106225	MICH	474255
104705	HOUGH	472179	10520	SPG	471272!	10577	C-R	27X37X7V	106225	UNIVE	474255
104705H	HOUGH	472179	105200	MICH	471764!	105780R91	IH	5957S	106225R91	IH	472560N!
104705H2	IH	472179	105200	UNIVE	471764!	10579	C-R	27X37X7	10623G	OSHKO	416556!
10470LPD	JN-MN	415047	105206	MICH	473427	1058	TIMKE	710067	10623G	OSHKO	472157
10470LUP	JN-MN	415047	105206	UNIVE	473427	10580	C-R	450188	10623SS	JN-MN	40316S
104711	HOUGH	473460	10520F	IH	470088	10581	C-R	450188	106241	HU-WR	417351!
104711H1	HOUGH	472394	10520SA	SPG	471272!	10583	C-R	3732S	10625	C-R	222742
104718	HOUGH	471689!	10524LPD	JN-MN	470950!	10583F	IH	450039	10625	C-R	27X42X10*
104718H1	HOUGH	471689!	10524LPD	JN-MN	6241S	10584	C-R	712009	10625	C-R	27X42X7!
104718H1	IH	471689!	10524LUP	JN-MN	470950!	10584F	IH	471795	10627	C-R	222742
10471LPD	JN-MN	416167!	10524LUP	JN-MN	6241S	1059	TIMKE	2081	106272	CUMMI	473228!
10471LUP	JN-MN	416167!	10525SS	JN-MN	471766	10592	C-R	471651*	106273	CUMMI	451857
10474LPD	JN-MN	450307	10526	C-R	480210!	10597	C-R	471651*	106274	CUMMI	474281!
10474LUP	JN-MN	450307	105267R91	IH	473464	10598	C-R	471651	106275	CUMMI	473367!
104758	CUMMI	471341!	105267R91	IH	473464!	105987R91	IH	473228!	106276	CUMMI	472164!
1048	TIMKE	42101S	10527	C-R	480210!	10598LPD	JN-MN	417551	106277	CUMMI	472185!
1048+2048	STEM	416158	105272R91	IH	472311!	10598LUP	JN-MN	417551	106278	CUMMI	470530!
1048+2110	STEM	416158	105279R91	IH	450400	10599500	JA-HE	471267!	106296	CLARK	470898
1048+320-2048	STEM	386025A	10527LPD	JN-MN	473461!	10599501	JA-HE	471267!	1063+2031	STEM	370002A
1048+320-2048	STEM	416158	10527LUP	JN-MN	473461!	105X125X13SC	TRSCM	105X125X13	1063+2057	STEM	415958
1048+320-2110	STEM	386025A	105281R91	IH	340413	105X125X13TC	TRSCM	105X125X13	1063+320-2031	STEM	370002A
1048+320-2110	STEM	416158	10528LPD	JN-MN	417344!	105X130X12SC	TRSCM	105X130X12	1063+320-2057	STEM	415437
10482LPD	JN-MN	415047*	10528LUP	JN-MN	417344!	105X130X12TC	TRSCM	105X130X12	10630	C-R	27X42X10
10482LUP	JN-MN	415047	1053	TIMKE	8660S	105X140X12SC	TRSCM	105X140X12	10631	C-R	470606!
10485LPD	JN-MN	472258!*	1053+2109	STEM	370036A	105X140X12TC	TRSCM	105X140X12	10632	C-R	470606!
10485LUP	JN-MN	472258!	1053+2109	STEM	370349A	106	UNIVE	471192	10633	C-R	27X47X8*
1049	TIMKE	1049	1053+2109	STEM	380036A	1060	TIMKE	417480!	106339	CUMMI	473016!
104923R91	IH	450400	1053+320-2109	STEM	370036A	10600	FI-CO	474254!	10634	C-R	1990
10494	C-R	710157	1053+320-2109	STEM	370349A	10602	FI-CO	471344	10634	C-R	222743
10496	CASE	240385	1053+320-2109	STEM	380036A	10604	C-R	471651	10635LDS	JN-MN	416664!
10496	IH	413469!	1054	TIMKE	5123	10605	C-R	471651	10636	C-R	470606!
104969	AM WH	473242	10541	SPG	471689!	10608SS	JN-MN	471737=	1064+2072	STEM	370046A
10496F	IH	413469!	105415	OLIVE	417262!	106092	CLARK	415263	1064+2136	STEM	417172
10496S	SPG	410496!	105416	OLIVE	417262!	1061	NATL	224045	1064+320-2072	STEM	370046A
104996	HYST	51032S	105437A	OLIVE	471413	1061	NATL	40X62X12!	10640	C-R	1990
104997	CLARK	415023	105440R91	IH	472636!	1061	TIMKE	6358	10640	C-R	27X43X8!
105	UNIVE	473211!	105441	HU-WR	471689!	1061002	LILIS	410496!	10642	C-R	471705!
105-W2	REO	HU065A	105441R91	IH	7107A=	1061013	LILIS	473227!	1064730	CHRY	470354
1050-14018STLPD	JN-MN	415227!	105442H	IH	473016!	106127	CLARK	472492!	1064856	CHRY	5797
1050-17476LDS	JN-MN	415227!	105442R91	IH	410987!	106127	MICH	55228=	1064857	CHRY	5797
105000117600	ALFAR	223520!	105442R91	IH	450686	106142SB	TRSCM	480210!	1065	SPG	470898
10500LPD	JN-MN	474255	105443R91	IH	417316!	106143	FREIG	471267!	1065	TIMKE	1181
10500LUP	JN-MN	474255	105445R91	IH	415960	10615SS	JN-MN	471224	1065	TIMKE	41X56X7!
105023	C-R	415227!	10545	C-R	480210!*	10616	C-R	471442!	1065079	GMC	225230
105040	C-R	415227!	105466	EATON	415458!	106162SB	TRSCM	471651	1065079	GMC	52X72X8!
105050	C-R	415227!	105470C1	IH	200766	106162SB	TRSCM	481650	10652	C-R	471705!*

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OIL SEALS

NATIONAL®

10653 – 10859LPD

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
10653	C-R	471705!	10700	LUP JN-MN	455123	10758	C-R	27X52X8	108054	R91 IH	471413
10654	SPG	473179	10701	LPD JN-MN	416738!	10759	C-R	416383	108056	02 TROS	240733
10658	C-R	471705!	10701	LPD JN-MN	450096	1076	TIMKE	9569S	108092	R91 IH	450084!
10659	C-R	471705!	10701	LUP JN-MN	416738!	10761	LPD JN-MN	417316!	1081	TIMKE	2669
1065K	MINNM	476838!	10701	LUP JN-MN	450096	10761	LUP JN-MN	417316!	10811	SEALR	470590
1066	TIMKE	224045	10707	CHAMP	412871!	10762	1A OLIVE	417344!	10812	SEALR	451583!
1066	TIMKE	40X62X12!	10708	CHAMP	470898	10762	1A WHITE	417344!	10814	SEALR	471649!
1066+2061	STEM	370195A	107084	KELSE	JV1166	10763	EATON	473464!	108144	AM WH	471649!
1066+320-2061	STEM	370195A	10708S	SPG	410708	10763	EATON	473464	10814S	SPG	471344
10660S	SPG	471442!	107097	CLARK	450472!	10765	C-R	473420	10815P	IH	470086
10663	C-R	222745	107099H	IH	472572!	10766	C-R	473420*	10816	C-R	417604*
10665	C-R	222745	1070T-2	WHITE	471224!	1077	TIMKE	9363S	10816	GR-DV	417604
10665	C-R	27X45X8!	107105H1	IH	471554!	1077+320-2096	STEM	416865	10816	SEALR	471733
10666	C-R	222745	107105S	HOUGH	471554!	107720	CLARK	415035!	10817	SEALR	476838!
106661	HU-WR	416297	107162A	OLIVE	471138!	107720	CLARK	415035	10818	SEALR	470712!
106691	HOUGH	471192	107162A	WHITE	471138!	107732	R1 IH	474276!	108198	MICH	471750!
106691H1	HOUGH	471192	1071824	C-R	415128	107732	R91 IH	474276!	108198	UNIVE	471750!
106691H1	IH	471192	10719	BR-WN	J1112	10773	LPD JN-MN	55309=	1082	TIMKE	9568
106692	GR-DV	455079!	107198	CLARK	471316	10773	LPD JN-MN	55309=	10820	C-R	417567
1067	F-R-H	470059	107198	UNIVE	450048*	107744A	WHITE	415960	10820	GR-DV	417567
1067	F-R-H	470380!	1072	TIMKE	223014	107745A	WHITE	472572!	10820	SEALR	471763
1067	TIMKE	224270	107200	MICH	450173	107754A	OLIVE	450165	108200	MICH	471766!
1067	TIMKE	42X72X10!	107200	UNIVE	450173	107754A	OLIVE	471801!	108200	UNIVE	471766!
1067+2060	STEM	370069A	107202	CLARK	471556	107765A	WHITE	473237=	108206	MICH	471787!
1067+2097	STEM	370069A	107216	CUMMI	470059	107766A	WHITE	41206S=	108206	UNIVE	471787!
1067+320-2060	STEM	370069A	107216	CUMMI	470380!	1078	ALLCH	417349	108210	UNIVE	450177*
1067+320-2060	STEM	380069A	107220	CLARK	415327	1078	NATL	224040	108211	MICH	450177
1067+320-2097	STEM	370069A	107224	US-EL	471647	1078	NATL	40X60X10!	108212	MICH	471795
1067+320-2097	STEM	380069A	10724	US-EL	471647	1078	TIMKE	3214	108212	UNIVE	471795
10670	CASE	412119!	107249	CLARK	418028	1078	TRAC	417349	108225	MICH	450165
106706	CLARK	470565!	10726	C-R	27X48X8	10784	EATON	100495	108225	MICH	471801!
10672	CASE	327303!	1072YX	IH	450143	10784	EATON	417349	108225	UNIVE	450165
106720	HOUGH	470954!	1073	TIMKE	222510	10784	FULLE	100495	108225	UNIVE	471801!
106726	FUNK	415138!	1073	TIMKE	25X35X7!	10784	FULLE	417349	10824	C-R	415128*
106737R91	IH	474278	10733	C-R	450342*	107885	HOUGH	417316!	108244	MICH	471818
106738R91	IH	323138!	107358	CLARK	370166A*	1079	TIMKE	9161	10826	SEALR	471766!
106739R91	IH	474276!	107359C1	IH	5723	1079+2008	STEM	370005A	10827	SEALR	473211!
1068	SPG	2551	10736	C-R	450342	1079+2009	STEM	370173A	108294	EATON	473235!
1068	TIMKE	5124	10737	C-R	450342	1079+2021	STEM	370003A	108294H	IH	473235!
10680	C-R	471705!	10737ST	JN-MN	416891!	1079+2024	STEM	370006A	1082B	MASSE	410987=
10680401	KELSE	4122	107386	HU-WR	415995!	1079+320-2008	STEM	370005A	1083	TIMKE	710067
10680401	KELSE	470547	107391	CLARK	416125!	1079+320-2021	STEM	370003A	10830	TMTR	471192
106806	HU-WR	417198	1074	SPG	472164!	1079+320-2021	STEM	380003A	108309	CLARK	416149
10681	C-R	473419!	1074+2073	STEM	370191A	1079+320-2024	STEM	370006A	10831	SEALR	480630!
10682	C-R	473419	10740	C-R	471762*	107904	CLARK	415035	108313	CLARK	415263
10682LPD	JN-MN	471765!	10740	C-R	471762	107904	CLARK	415035!	108339	CLARK	416149
10682LUP	JN-MN	471765!	10743	C-R	471762	10795	SPG	471829	10833SS	JN-MN	471413
10684S	NATL	471827	10743	C-R	471762!	107972	CLARK	415379	10834	SEALR	470059
10685	C-R	27X47X10	107494	KELSE	473463	107972	CLARK	415379!	10834	SEALR	470380!
106852	EATON	472409!	10749LPD	JN-MN	471649!	107974	AM WH	471472!	10837	CLARK	470565!
10687	FI-CO	471765!	10749LUP	JN-MN	471649!	10797LPD	JN-MN	470605!*	108373	CLARK	6886S
10689	C-R	27X47X10	1074LPD	JN-MN	450307*	10797LUP	JN-MN	470605!	108374	CLARK	470565!
106919	CLARK	415991	1074LUP	JN-MN	450307	108	UNIVE	473228	1084	C-R	455123
106919	CLARK	455146!	1075	TIMKE	473677	108-W2	REO	HU110A	1084	SEALR	471554!
10692	C-R	473419	1075-16530LDS	JN-MN	416383	1080	C-R	417602!*	10840	SEALR	472572!
10692	C-R	473419!	10751LPD	JN-MN	471224!	1080	GR-DV	417602!	10841	SEALR	472397!
106949R91	IH	417316!	10751LUP	JN-MN	471224!	1080	TIMKE	3199	10841LPD	JN-MN	455375=
106955	HOUGH	471766!	10753LPD	JN-MN	470774!	10803006	TROS	470004!	10841LUP	JN-MN	455375=
106955H1	HOUGH	471766!	10753LUP	JN-MN	470774!	10803204	TROS	471526!	108463	HU-WR	6590S
106973	CLARK	6886S	107551	C-R	55228=	10803205	TROS	471526!	10846SS	JN-MN	415379
10698	JN-MN	55103S	107552A	OLIVE	472492!	10803404	TROS	481534	10847	SEALR	417316!
10698LPD	JN-MN	55103S	107552A	WHITE	472492!	10803406	TROS	471530	1085	TIMKE	1953
10699	C-R	471735	10755K	CASE	471413	108035	CLARK	415995!	1085	TIMKE	42X60X7!
106W212	CONE	5168	10755LPD	JN-MN	472492!	10803606	TROS	471281!	1085+2021	STEM	370034A
107	C-R	5419	10755LUP	JN-MN	472492!	10803806	TROS	471532	1085+320-2021	STEM	370034A
107	C-R	BS5048	10756	C-R	471762	10804004	TROS	471466!	1085272M1	MASSE	470954!
107	DEXTR	415137!	10756	C-R	471762!	10804005	TROS	471466!	10854ST	JN-MN	416476!
107	DEXTR	418028	10756LPD	JN-MN	473467	10804006	TROS	471466!	10855LPD	JN-MN	472354!
107	UNIVE	473226	10756LUP	JN-MN	473467	10804205	TROS	481528	10855LUP	JN-MN	472354!
107-W2	REO	HU036A	10757	CHAMP	471466!	10804406	TROS	471529	1085688M1	MASSE	472185!
10700	C-R	471735	10757LPD	JN-MN	472397!	10804803	TROS	1049	108574H1	HOUGH	471442!
10700LPD	JN-MN	455123*	10757LUP	JN-MN	472397!	108054	IH	471413	10859LPD	JN-MN	416339

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
10859LPD	JN-MN	10921767	GMC	10944	C-R	10A12051	WHITE
10859LUP	JN-MN	10922	C-R	10945	BU-SP	10A1297	FED
10859LUP	JN-MN	10922	C-R	10945	C-R	10A14257	MINNM
1086	TIMKE	10922155	WHITE	109451X	GRAM	10A14257	WHITE
1086058M1	MASSE	109224	HYST	109451X	GRAM	10A14262	MINNM
10860LPD	JN-MN	10923	C-R	10946	C-R	10A1442	FED
10860LUP	JN-MN	10924	C-R	109468601	GMC	10A14894	MINNM
108653	CLARK	10925	C-R	10947	C-R	10A14894	MINNM
1086758M1	MASSE	10926	C-R	10948LPD	JN-MN	10A15506	MINNM
108679	CLARK	10927	C-R	10948LUP	JN-MN	10A15507	MINNM
108696	SIMPL	10929	C-R	10949LPD	JN-MN	10A15791	MINNM
10869LPD	JN-MN	1093	TIMKE	10949LUP	JN-MN	10A16	AAMCO
10869LUP	JN-MN	1093	TIMKE	1095	TIMKE	10A16329	MINNM
1087	TIMKE	1093+2002	STEM	1095	TIMKE	10A16329	WHITE
108705	CLARK	1093+2005	STEM	10950LPD	JN-MN	10A16450	MINNM
108735C1	IH	1093+2043	STEM	10950LUP	JN-MN	10A16J	AAMCO
10875104	NAPCO	1093+2058	STEM	10952LPD	JN-MN	10A17321	MINNM
108773	AM WH	1093+2113	STEM	10952LUP	JN-MN	10A17321	WHITE
10877SS	JN-MN	1093+2129	STEM	10957	C-R	10A17322	MINNM
1088	ALLCH	1093+2165	STEM	10958	C-R	10A17357	MINNM
1088	B-L-H	1093+2181	STEM	10958	C-R	10A17357	MINNM
1088	C-R	1093+2184	STEM	109580	FORD	10A17817	MINNM
1088	TIMKE	1093+2199	STEM	10959	C-R	10A17817	WHITE
1088	TIMKE	1093+320-2002	STEM	109595	CANAD	10A18170	MINNM
1088	TRAC	1093+320-2005	STEM	10959LPD	JN-MN	10A18170	WHITE
1088+2095	STEM	1093+320-2043	STEM	10959LUP	JN-MN	10A18176	MINNM
1088+2132	STEM	1093+320-2058	STEM	1096	TIMKE	10A18176	MINNM
1088+320-2095	STEM	1093+320-2113	STEM	1096	TIMKE	10A18176	WHITE
1088+320-2132	STEM	1093+320-2129	STEM	10960	C-R	10A18678	MINNM
108806H1	HOUGH	1093+320-2165	STEM	10960LPD	JN-MN	10A18811	MINNM
108811C1	IH	1093+320-2165	STEM	10960LUP	JN-MN	10A18897	MINNM
1088312M1	MASSE	1093+320-2181	STEM	10961	C-R	10A18897	WHITE
1088602	CHRYSL	1093+320-2184	STEM	109610	C-R	10A19446	MINNM
10887434	CHRYSL	1093+320-2184	STEM	10963	BU-SP	10A19446	WHITE
1089	TIMKE	1093+320-2199	STEM	10963	BU-SP	10A19477	MINNM
1089+2099	STEM	1093+320-2199	STEM	10963LPD	JN-MN	10A19477	WHITE
10891	BU-SP	10930	C-R	10963LUP	JN-MN	10A19482	MINNM
10892	BU-SP	10930	C-R	10964	BU-SP	10A19720	MINNM
10893	BU-SP	1093006M1	MASSE	10965	C-R	10A19720	WHITE
10898	EATON	10931	C-R	109659	CLARK	10A20107	MINNM
108A03604	TROS	109314	HOUGH	10966	C-R	10A20107	WHITE
109	UNIVE	109314H1	HOUGH	10969	BU-SP	10A20316	MINNM
109-W2	REO	109315	HOUGH	109690	C-R	10A20794	MINNM
1090	TIMKE	10932	C-R	1097	FMS	10A20794	WHITE
109000	HYST	109322	HOUGH	1097	TIMKE	10A20796	MINNM
109027	CANAD	109322H1	HOUGH	1097	TIMKE	10A20796	WHITE
10904LPD	JN-MN	109322H1	IH	10970	C-R	10A20859	MINNM
10904LUP	JN-MN	10933	FITZ	10972	CASE	10A20859	WHITE
1090672	CHRYSL	10934	C-R	10973	C-R	10A20R	AAMCO
109070	CLARK	109341	CUMMI	10974	C-R	10A2111	MINNM
109099	FORD	10935	C-R	10975	C-R	10A2112	MINNM
109099	OLIVE	109352	GOODM	10977	C-R	10A2112	WHITE
1091	TIMKE	109352	JEFF	1097N	TIMKE	10A2113	MINNM
1091	TIMKE	109353	GOODM	1098	SPG	10A2113	WHITE
1091+2102	STEM	109356	US-EL	10982LPD	JN-MN	10A21423	MINNM
1091+2102	STEM	10936	C-R	10982LUP	JN-MN	10A21423	MINNM
1091+320-2102	STEM	10937	C-R	10983	C-R	10A21423	WHITE
1091+320-2102	STEM	10937	C-R	109831	US-EL	10A21423	WHITE
1091+320-2102	STEM	10938	C-R	1099296	GMC	10A21466	MINNM
10910LPD	JN-MN	10939	C-R	109935R91	IH	10A21466	WHITE
10910LUP	JN-MN	1094	TIMKE	109936R91	IH	10A21691	MINNM
109110R91	IH	1094	TIMKE	1099399	GMC	10A21691	WHITE
109119R91	IH	1094+2106	STEM	1099399R91	IH	10A22007	MINNM
10911LPD	JN-MN	1094+2115	STEM	109968	CLARK	10A22007	WHITE
109198	MICH	1094+320-2106	STEM	109969	CLARK	10A22092	MINNM
109198	UNIVE	1094+320-2106	STEM	10A10111	MINNM	10A22092	WHITE
109200	MICH	1094+320-2115	STEM	10A10517	MINNM	10A22308	MINNM
109200	UNIVE	10942	C-R	10A10894	MINNM	10A22308	WHITE
109206	MICH	10942	C-R	10A10L	AAMCO	10A22515	MINNM
109206	UNIVE	109427	HU-WR	10A11608	MINNM	10A22515	WHITE
1092097M1	MASSE	109428	HU-WR	10A11658	MINNM	10A23926	MINNM
10921	C-R	10943	C-R	10A12051	MINNM	10A23927	WHITE

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
10A23R	AAMCO	342805	10P2091	MINNM	411330!	110-056	DISOG	710029	110245	C-R	280X320X20
10A2411	MINNM	417316!	10P2097	MINNM	353141!	110-058	DISOG	710030	1103+2001	STEM	370121A
10A2411	WHITE	417316!	10P219	MINNM	240356	110-060	DISOG	710015	1103+320-1001	STEM	370021A
10A2490	MINNM	471271!	10P222	MINNM	6597S	110-067	DISOG	710031	1103+320-2001	STEM	370021A
10A24D	AAMCO	472164	10P2276	MINNM	420	110-082	DISOG	710032	110303	CLARK	325940* =
10A25D	AAMCO	9613S	10P228	MINNM	472234	110-D6-9	REO	370023A	110337	GRAM	471619!
10A26	AAMCO	472015!	10P2417	MINNM	473461!	110-W2	REO	HU009A	110337	WILYS	471619!
10A26114	MINNM	415379	10P2486	MINNM	415458	1100	UNIVE	415482	110350	US-EL	473226
10A26114	WHITE	415379	10P2638	MINNM	416921=	1100-7180LUP	JN-MN	415482	11035LPD	JN-MN	417600*
10A2638	WHITE	416921=	10P2930	WHITE	473016!	1100-D6-15	REO	370036A	11035LUP	JN-MN	417600
10A26D	AAMCO	470774!	10P3487	MINNM	415379	1100-D6-15	REO	370349A	11039A	C-R	471791
10A2730	MINNM	415984!	10P3604	WHITE	450073	1100-D6-24	REO	370023A	11039A	C-R	456585!
10A2731	MINNM	45827S	10P362	MINNM	474276	1100007968	BUSHH	200881	11039LPD	JN-MN	455734=
10A28E	AAMCO	7751H	10S72	TLSMI	455576!	110005	SPG	712110	11039LUP	JN-MN	455734=
10A29294	WHITE	476470	10UK01094	WHITE	474276!	11001300	UNIVE	415482	11040	DGASK	35094
10A2G	AAMCO	472015!	10WA-01094	WHITE	323138!	110021R91	IH	370001A	110401	DGASK	35094
10A30A	AAMCO	331228H	10X10950	MINNM	471818	110021R91	IH	6638S	11040A	C-R	471554!
10A31033	WHITE	415088	10X15186	MINNM	415960	110027	GRAM	471466!	11040A	C-R	471554
10A3161	FED	472492!	10X19X7SC	TRSCM	10X19X7	110028	GRAM	473464	11040LPD	JN-MN	417205!
10A3196	FED	474278	10X19X7TC	TRSCM	10X19X7	110028	GRAM	473464!	11040LUP	JN-MN	417205!
10A31Q	AAMCO	470898!	10X22X7	FORSH	10X22X7!	110029	DISOG	710026	110432	HOUGH	471692!
10A33A	AAMCO	474260	10X22X7	SIMRT	10X22X7!	11003A	HERCU	472354!	110432H1	HOUGH	471692!
10A3417	MINNM	473463	10X22X7SC	TRSCM	10X22X7!	110040	C-R	415482	110433	AVCO	412040
10A34Q	AAMCO	472354!	10X22X7TC	TRSCM	10X22X7!	110042	DISOG	710038	110460	CLARK	470898
10A36	AAMCO	9613S	10X23028	MINNM	415379	11004LPD	JN-MN	456618	110461	CLARK	4716149
10A37P	AAMCO	471264!	10X23028	MINNM	415379!	11004LUP	JN-MN	456618	11047A	C-R	412119!
10A39F	AAMCO	473459	10X24X7	SIMRT	10X24X7	110050	C-R	415482	11048A	C-R	416339
10A3G	AAMCO	9613S	10X24X7SC	TRSCM	10X24X7	110051	C-R	415482*	11048A	C-R	455031!
10A43F	AAMCO	473473	10X24X7TC	TRSCM	10X24X7	1100540	C-R	415482	11049A	C-R	474265
10A44F	AAMCO	7929S	10X25X7SC	TRSCM	10X25X7	1100580	C-R	415482	11050	C-R	340835
10A45F	AAMCO	331107N	10X25X7TC	TRSCM	10X25X7	110063	DISOG	710035	110516	GMC	415379!
10A46F	AAMCO	7692S	10X26X7	FORSH	10X26X7	110066	DISOG	710036	110516	GMC	415379
10A4731	MINNM	471424!	10X26X7	SIMRT	10X26X7	1100755	FMC	411253!	11051A	C-R	415027!
10A4T	AAMCO	451117N=	10X26X7SC	TRSCM	10X26X7	110079	DISOG	710037	11051A	C-R	415027
10A50N	AAMCO	473445	10X26X7TC	TRSCM	10X26X7	110079	GMC	55692=	11053	C-R	340835
10A5104	MINNM	416664!	10X29504	MINNM	416271!	1100971	C-R	415076	11053	CLARK	415027!
10A56Y	AAMCO	473179	10X29720	MINNM	415960	1101	TIMKE	1012	11053	CLARK	415027
10A57Y	AAMCO	8792S	10X30979	MINNM	417205!	1101	TIMKE	1012N	11053A	C-R	476470
10A5956	MINNM	425RR	10X3114	MINNM	473205	11010	WOODB	472015!	110542	CLARK	412473!
10A6156	FED	474278	10X31311	MINNM	471138!	110120	MICH	417020	11054A	C-R	415991
10A6239	FED	323138!	10X31317	MINNM	415991	110128	GRAM	471264	11054A	C-R	455146!
10A6268	FED	481568!	10X31317	MINNM	455146!	110130	MICH	415482	11055	C-R	313842
10A6289	AVCO	416404!	10X3144	MINNM	473205	110139	CLARK	256656* =	11055A	GRAM	471281!
10A6289	MINNM	416404!	10X33841	MINNM	203013	110139	DISOG	710039	11055LPD	JN-MN	470354*
10A6289	WHITE	416404=	10X33841	WHITE	203013	110143	DISOG	710040	11055LUP	JN-MN	470354
10A6627	MINNM	473473	10X33923	MINNM	40301S	110148	WAUKE	417316!	110569	GMC	415995!
10A6732	MINNM	417344!	10X33924	MINNM	471763	11014LPD	JN-MN	450313	110569	GMC	415995!
10A6733	MINNM	410190	10X34138	MINNM	415447	11014LUP	JN-MN	450313	11056A	C-R	471785!
10A69B	AAMCO	471539	10X34138	WHITE	415447	110157	DISOG	710041	11057A	C-R	474253
10A70	AAMCO	473473	10X5487	WHITE	470954!	110158	WAUKE	472164!	11057A	C-R	474253!
10A7038	MINNM	417344!	10X5525	MINNM	472164!	11015LPD	JN-MN	470086	11060	C-R	340815*
10A7073	MINNM	470954	10X6898	MINNM	471413!	11015LUP	JN-MN	470086	1106044	ALLCH	450593!
10A7103	MINNM	471413!	10X706	MINNM	450133	110171	DISOG	710034	11060LPD	JN-MN	456890
10A7121	MINNM	472924!	11	BL-KN	417492	110179H1	HOUGH	471570!	11060LUP	JN-MN	456890
10A7204	FED	50075=	11-317932	FAIRB	450084!	11017LUP	JN-MN	415483	11061	C-R	1037*
10A73B	AAMCO	8935S	11-317934	FAIRB	471341!	11018LPD	JN-MN	472397!	11061A	C-R	417344!
10A74B	AAMCO	7300S	11/2F11512	MURRA	416664!	11018LUP	JN-MN	472397!	11061LPD	JN-MN	415074*
10A7541	MINNM	473227	11/2F11564	MURRA	417316!	1101VB7	MARI	415076	11061LUP	JN-MN	415074
10A7611	WHITE	470954!	110	UNIVE	473232	11020	KERSH	253099	11062	C-R	340815
10A811	MINNM	470354	110-010	DISOG	710014	110206	MICH	450129	110623R91	IH	340400
10A8344	MINNM	417433	110-014	DISOG	710023	110206	MICH	472826!	11062A	C-R	415458!
10A8468	MINNM	450400	110-016	DISOG	470625	110206	UNIVE	450129	110631	US-EL	476838!
10A8486	MINNM	415991	110-019	DISOG	710024	110206	UNIVE	472826!	11063A	C-R	476838!
10A8L	AAMCO	471707N	110-021	DISOG	471504	110210	UNIVE	473421*	11064	CLARK	415064
10A9471	MINNM	471870!	110-023	DISOG	710025	110211	MICH	473421	11064	DGASK	35127
10A9789	MINNM	473211!	110-026	DISOG	710017	110212	MICH	473211!	110641	DGASK	35127
10B1444	FED	473367	110-037	DISOG	710027	110212	UNIVE	473211!	11065	C-R	240151
10B1444	FED	473367!	110-039	DISOG	710018	110225	MICH	473212!	11065A	C-R	415995!
10B1754	FED	480630!	110-045	DISOG	710010	110225	UNIVE	473212!	11066	C-R	472560N!
10CDK-01094	WHITE	450400	110-047	DISOG	710028	110228	MICH	40769S	11066A	C-R	474265
10CDKL01094	WHITE	450400	110-049	DISOG	710011	110237	MICH	473213!	11067	C-R	472560N
10P1772	MINNM	470954!	110-054	DISOG	710016	110237	UNIVE	473213!	1106756	ALLCH	472164!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
11067A C-R		473419	110A04804 TROS		8705S	111176 AM WH		415196!	11141SB TRSCM		1037
11068A C-R		473367!	110E-65 HWY		470530!	111178 HOUGH		471192	11141VB TRSCM		340815
11068A C-R		473367	110E-97 HWY		473228	111178H1 HOUGH		471192	11142VB TRSCM		313842
11069 C-R		472560N!	110E65 FWD		472397!	111179 HOUGH		470059	11143 C-R		710285
11070 C-R		476838	110R TIMKE		110PKG	111179 HOUGH		470380!	11143LPD JN-MN		411245!
11071 C-R		472560N	110X130X12SC TRSCM	110X130X12		111179H1 HOUGH		470059	11143LUP JN-MN		411245!
11071-6G IH		476470	110X130X12TC TRSCM	110X130X12		111179H1 HOUGH		470380!	11146 C-R		471692!
11071-6G IH		476470!	110X135X13ASN ISP	110X135X13		111179H1 IH		470059	11146 C-R		471692
11071A C-R		471466!	110X135X13ASN(35) ISP	110X135X13		111179H1 IH		470380!	11147 C-R		471692
11073A C-R		415001!	110X140X12SC TRSCM	110X140X12		11118 C-R		471281!*	11147 C-R		471692!
11074F IH		470088	110X140X12TC TRSCM	110X140X12		11180 HOUGH		5976S	111475 CLARK		8126S
11074LPD JN-MN		415995!	110X140X13SC TRSCM	110X140X13!		11119 C-R		471532*	111477 CLARK		415995!
11074LUP JN-MN		415995!	110X140X13TC TRSCM	110X140X13!		111193 AM WH		410694!	111478 CLARK		416039
11074LUP JN-MN		415995!	110X145X13AN ISP	110X145X13		11119A HERCU		455189	111479 US-EL		450040
110752 AVCO		415449!	110X145X13AN(35) ISP	110X145X13		11119LPD JN-MN		417356!	111481 CLARK		416332!
110752 HERCU		415449!	110X150X15SC TRSCM	110X150X12*		11119LPD JN-MN		455188	111482 CLARK		415379
110752B HERCU		415449!	110X150X15SC TRSCM	110X150X15		11119LUP JN-MN		417356!	11148LPD JN-MN		417485
1107704K3 IH		470380!	110X150X15TC TRSCM	110X150X12*		11119LUP JN-MN		455188	11148LUP JN-MN		417485
11077A C-R		471787!	110X150X15TC TRSCM	110X150X15		11120 C-R		471466	111497 WAUKE		471413
11078 C-R		472560N	111 UNIVE		473236!	11120LPD JN-MN		415043	1115 SPG		416664!
11078A C-R		472015!	111-307-113 VW		1163=	11120LUP JN-MN		415043	11150 C-R		471692!
11079 C-R		3638	111-405-641B VW		1217	111210 UNIVE		473435*	111501315 VW		1012
110799-40 IH		472705!	111-W2 REO		HU149A	111211 MICH		473435	111501315 VW		1012N
1108 TIMKE		1108	1110 TIMKE		1110	111212 MICH		473436	11151 DGASK		35316
1108 UNIVE		415076*	11100 DGASK		35402	111212 UNIVE		473436	11151-2K-11 IH		472258!
11081 C-R		472560N	111001 DGASK		35402	11121LPD JN-MN		417353!	111511 DGASK		35316
11081CM SUL		455476	11100LPD JN-MN		470059	11121LUP JN-MN		417353!	111512-K-63 IH		416706!
11082 C-R		472560N	11100LPD JN-MN		470380!	11122 C-R		471529*	111512G12 IH		471267!
11083A C-R		411253!	11100LUP JN-MN		470059	111225 MICH		50168	111514 CLARK		3016
11084 C-R		472560N!	11100LUP JN-MN		470380!	111225 UNIVE		50168	111514 CLARK		456052
11085A C-R		474281!	111017 CUMMI		413469!	11123 C-R		471652!	11152 DGASK		35316
11086 C-R		222820	11102 DGASK		427RR	11123 C-R		482208	111521 DGASK		35316
1108641 VICK		455858	111021 DGASK		427RR	11123 EMRSN		471652	11152SB TRSCM		472560N!
11086AS HOUGH		473179!	11103 C-R		471652	11123 EMRSN		482208!	11152VB TRSCM		472560N
110873 CLARK		6547	111035 WOOL		450111	111237 MICH		450054	11154 C-R		471692!
11087AS HERCU		473179	1110416 CHRYS		415449!	111237 UNIVE		450054	11154 HU-WR		471141!
11088A C-R		473464!	11106LPD JN-MN		416339	11124 C-R		471652	1115480 ALLCH		450467
11088A C-R		473464	11106LPD JN-MN		455031!	11124SS JN-MN		340847	11155 C-R		471692!
11088A HERCU		473179	11106LUP JN-MN		416339	11125 C-R		471652!	11155 C-R		471692
11089 C-R		471652	11106LUP JN-MN		455031!	11125 C-R		482208	11156 C-R		471692!
11089 C-R		482208!	11108 C-R		471652	11125SS JN-MN		340849	11156 C-R		471692
110897 CLARK		415458!	111082 HOUGH		471766!	11126 C-R		471652	11156 WAYNE		473467!
110898 CLARK		470565!	111082H1 HOUGH		471766!	11126A HERCU		417082	11157 C-R		471692!
11090 C-R		471652	111083 HOUGH		473010!	11129 DGASK		35315	111576 CUMMI		473016!
11090 C-R		482208!	111083H1 HOUGH		473010!	111291 DGASK		35315	11158 C-R		471692!
11091 C-R		471652	111083H1 IH		473010!	1112Y IH		5M289	111592Y AVCO		415458!
11091 C-R		482208!	111084 HOUGH		476470	11130 C-R		471652	111592Y HERCU		415458!
110914 CLARK		417545	111084 HOUGH		476470!	111307 GMC		410496!	1115938 CHRYS		450776!
11091A C-R		471224!	111084H1 HOUGH		476470!	11131VB TRSCM		340835	11160 C-R		471692
11092A C-R		472636!	111084H1 HOUGH		476470	11133 C-R		471652	11160 C-R		471692!
11094A C-R		470059	111084H1 IH		476470!	11133 C-R		471652	11160 JN SON		417349
11094A C-R		470380!	111084H1 IH		476470	11134 C-R		471652	11161 C-R		204020
1109558C1 IH		415041	1110879C1 IH		415035	11135 DGASK		35292	11161 C-R		204505!
11095A C-R		471821!	11109 C-R		471652	111351 DGASK		35292	1116194 ALLCH		200354
11096 STEEL		472164!	1111+2106 STEM		370003A	11136 C-R		1989	111624 AVCO		413248
11096A C-R		470950!	1111+2115 STEM		370005A	111368 CLARK		415035	111624 HEIL		413248
11096A C-R		6241S	1111+2162 STEM		370006A	11137 C-R		222835*	11162SB TRSCM		482208!
110976 GMC		418028	1111+320-2106 STEM		370003A	11137AS HERCU		473179	11162TB TRSCM		471652
110976 GMC		455137!	1111+320-2106 STEM		380003A	11138 C-R		471692	11162VTB TRSCM		471652
110978 GMC		415137!	1111+320-2115 STEM		370005A	11138 C-R		471692*	11163 JN SON		471272!
110978 GMC		418028	1111+320-2162 STEM		370006A	111383 HOUGH		471224!	111632 AVCO		471705!
11097R IH		471141!	111105245 VW		226020	1114-1252-068 LEYLD		228010	111632 HERCU		471705!
11098 C-R		471652	111105245 VW		60X80X8!	11140 C-R		471692!	111633 CLARK		416154!
11098R IH		473010!	11111 C-R		3638	11140 C-R		471692	111637 EATON		5089
11099 C-R		471652*	11112 FITZ		5073	11140 DGASK		25598	11164 C-R		204020
11099 DGASK		35394	111146 HOUGH		5976S	111401 DGASK		25598	11164 C-R		204505*
110991 DGASK		35394	111147 AM WH		471138!	111404 US-EL		413248	111640 AM WH		411245!
110998 GMC		455584	11114M1 C-R		474277	111405641A VW		224045	111646 CLARK		473473
110998 GOODM		455584	11115 C-R		470004	111405641A VW		40X62X12!	11165 DGASK		35410
110998 JEFF		455584	111161 CLARK		50514	11140SS JN-MN		416556!	111651 DGASK		35410
11099A C-R		473232	111163 AM WH		417344!	11140SS JN-MN		472157	11166 C-R		204020
110A04504 TROS		331173	11117 C-R		471530*	11141 C-R		471692!	11166 C-R		204505!

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11167 C-R		203020	111937 US-EL		415498	112207XX TIMKE		11X22X7	112600 GOODM		473229
11167LPD JN-MN		415001!	11193A C-R		472924!	11220M1 C-R		471466!	112603 OLIVE		471554!
11167LUP JN-MN		415001!	11193LPD JN-MN		471795	11220Y18 C-R		471466!	112607A HARWA		11X26X7
11168 C-R		476838!	11193LUP JN-MN		471795	112210 UNIVE		472287!*	112607XX TIMKE		11X26X7
11168-D CLARK		415437	11193NB SPG		471193	112211 MICH		472287!	11261 C-R		205004
11168-D CLARK		415437!	111940R91 IH		472409	112212 MICH		471192	112622 CLARK		471344
11168-E CLARK		415437	11194LPD JN-MN		415142*	112212 UNIVE		471192	112630-K-27 IH		470774!
11168-E CLARK		415437!	11194LUP JN-MN		415142	112212SL MICH		471192	11264 C-R		203003
111682SB TRSCM		481213!	11196 C-R		476838!	11222 C-R		471529	11265LPD JN-MN		415074*
11169 C-R		476838!	111962 AVCO		417486	112225 MICH		473214!	11269 C-R		203003
11170 C-R		476838*	111962 HERCU		417486	112225 UNIVE		473214	1126S TIMKE		1126
11170 C-R		476838	111962B HERCU		417486	112225SLTI MICH		473214	11271 C-R		203003
111704XX TIMKE		11X17X4	111965 CLARK		455079!	11223 C-R		470712!	112717 AM WH		471466!
111707R91 IH		470898	11197 BU-SP		416888!	112237 MICH		473215!	112724H IH		471686
111708 CLARK		7700S!	11197 C-R		350974!	112237 UNIVE		473215!	11272SS JN-MN		340136
111708 MIXMO		6886S	11197LPD JN-MN		415991	11224 BU-SP		415007	11274 GEM		205004
111708R91 IH		470898	11197LPD JN-MN		455146!	112243 UNIVE		470950!	11274 GEM		6703S
11171 C-R		476838*	11197LUP JN-MN		415991	112243 UNIVE		6241S	112751 CLARK		472924!
11171 C-R		476838	11197LUP JN-MN		455146!	112244 MICH		470950!	112752 CLARK		417252
111710R1 IH		470954!	11198 BU-SP		472439	112244 MICH		6241S	112755A SPG		476470!
111711R91 IH		412473!	11198LPD JN-MN		416332!	112250 UNIVE		471835!	112766 GOODM		471747!
111712R91 IH		416476!	11198LUP JN-MN		416332!	112251 DGASK		35524	1127699 CHRYS		472012
111719 CLARK		415263	11199 BU-SP		471192	11225A HERCU		240119	11277 C-R		203003
111720 CLARK		416271!	111R TIMKE		111PKG	112265 CLARK		472492!	112775Y AVCO		472016
111721 CLARK		416921!	112 UNIVE		472179	11226LPD JN-MN		417538*	112775Y HERCU		472016
111726 CLARK		416125!	11200 C-R		350974!	11226LUP JN-MN		417538	11279 C-R		6832S
111729 CUSH		473214!	112018R91 IH		471224!	112275 UNIVE		450463	1127H GEM		6703S
111729 O-M		473214=	11202 C-R		470712!	112308 CLARK		100495	1128 TIMKE		1128
11172LPD JN-MN		470059	112029 CLARK		456112=	112308 CLARK		417349	112819 MINNM		471765!
11172LPD JN-MN		470380!	112029 KEN		456112=	11232 CHRYS		473243	112819 OLIVE		471765!
11172LUP JN-MN		470059	11202SB TRSCM		471763	1123241 CUMMI		473016!	11282 C-R		203003
11172LUP JN-MN		470380!	11202SB TRSCM		471763	112332 CLARK		416362	112820 MINNM		471765!
11172TB TRSCM		471692!	11202VHY TRSCM		471763	112341 OLIVE		415447	11284 C-R		6832S
111740 FMS		100518	112034R91 IH		472439	112347 OLIVE		415447	11284 FAWIC		415047
11174SS JN-MN		40410S	112035 MINNM		472572!	11236 FITZ		5132	112876R91 IH		415437!
11174VB TRSCM		204505!	112035 OLIVE		472572!	112365 OLIVE		470059	11289 C-R		471747!
111750 CLARK		412473!	11203TB TRSCM		471763	112365 OLIVE		470380!	1129 NATL		30X40X7!
111756 CUSH		473197	11204 C-R		470712!	112367 OLIVE		470059	1129 TIMKE		1129
111756 O-M		473197=	112043 MINNM		471570!	112367 OLIVE		470380!	11292 C-R		471747!
111761 CLARK		471766!	11204A C-R		416865!	112403 OLIVE		470764!	11293 C-R		471747!
11177 C-R		476838!	11205 C-R		470712!	112403 OLIVE		50764	112945 C-W		450398
11177LPD JN-MN		456618	112051R91 IH		471766!	11240LPD JN-MN		473464	112945 C-W		471267!
11177LUP JN-MN		456618	112052R91 IH		471766!	11240LPD JN-MN		473464!	112947 C-W		471529
11178 C-R		476838!	112055 CLARK		416070	11240LUP JN-MN		473464	1129872 DIA		472015!
111784VHY TRSCM		203020	11205602.5 TROS		340850	11240LUP JN-MN		473464!	11299 C-R		471747*
111784VHY TRSCM		204020	112062VB TRSCM		471785!	11241LPD JN-MN		473313	11299 C-R		471747
111785 CLARK		472409	112063SB TRSCM		471785!	11241LUP JN-MN		473313	112HMS20 C-R		471466!
1117B GOODM		471192	11207 C-R		470712!	11242SB TRSCM		473259!	112R TIMKE		112PKG
11180 C-R		323133	11208 C-R		470712!	11243 FITZ		5127	112X140X13SC TRSCM	112X140X13	
111801 AM WH		415196!	112081 DGASK		35361	112431 DGASK		35001	112X140X13TC TRSCM	112X140X13	
111802 AM WH		471554!	11209 C-R		470712!	112432SL TRSCM		474254	112Z12 C-R		471466!
11182SB TRSCM		476838	1120S TIMKE		1120	11244 C-R		470712!	112Z20 C-R		471466!
11182TB TRSCM		476838!	1121 TIMKE		1121	112458Y AVCO		471763	113 UNIVE		473450
11183 C-R		476838!	112101 US-EL		471827	11246 C-R		470712!	113-311-113 VW		222242
11183K CASE		200354	11213SB TRSCM		481792	1124631 SOLAR		471466!	113-311-113A VW		222242
11183SA TRSCM		350974!	11214 CHRYS		410496=	1124681C1 IH		417172	113-8432 CATER		39894
111843 CLARK		416921=	112149 CLARK		471866!	11247 C-R		470712!	113-8433 CATER		39893
111872TB TRSCM		470712!	11215 C-R		470004!	1124E-1 CLARK		472572!	113-W2 REO		HU009A
111872VSB TRSCM		470712!	11215DB TRSCM		472350!	1124E-2 CLARK		473464	11302LPD JN-MN		482253
111872VTB TRSCM		470712!	11215M1 C-R		470004!	1125 SPG		471195!	11302LUP JN-MN		482253
1118B GOODM		473214	112161 DGASK		35486	11252 C-R		470712!*	1130703C2 IH		415072
1118D GOODM		473214	11217 C-R		471530	1125266C1 IH		415035	11308 C-R		471747!
111908R91 IH		416865!	11218 C-R		471281!	1125267C1 IH		473238	11308LPD JN-MN		47159*
111909R91 IH		416865!	112185 O-M		473428	1125268C1 IH		416888!	11308LUP JN-MN		47159
11191 C-R		476838!*	11218H DIA		473179	112547 AM WH		470625!	11309 C-R		471747!
11192 C-R		476838!	11219 C-R		471532	11255 C-R		470712!*	113105245F CEW		227040
11192SB TRSCM		471747!	112190 CLARK		417522	11256 C-R		470712	113105245F CEW		70X90X10!
11193 C-R		476838!	1121924 C-R		55078S	11257 C-R		470712!	113105245F VW		471484!
1119321 ALLCH		415035	112193 HOUGH		473227!	11258 C-R		470712!	113105245F VW		70X90X10!
111933 GMC		8996S=	112193H1 HOUGH		473227!	1125919 ALLCH		450819	113105245J VW		227040
111936 GMC		415551	11220 C-R		471466!	112596 AM WH		476838!	1131247 ALLCH		450362
111936R91 IH		472409!	112207A HARWA		11X22X7	112597 JEFF		455024	11312G OSHKO		352541

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
11312T2 DIA		370019A	11380 C-R		450604	11429A C-R		471504!	1150540 C-R		415076
11314 C-R		471763	1138281 CHRYS		240356	11429NA SPG		472082	1150580 C-R		415076
113148 MINNM		455189	1138282 CHRYS		240151	11430 CASE		471835!	11507 CHRYS		413470!
113148 OLIVE		455189	113848 GMC		416394	11431 CASE		471553!	11508 BR-WN		471224!
11316G OSHKO		415088	113854 CLARK	JV1121=		11432 KINNR		473215!	11514 C-R		471707*
11316SS JN-MN		451583!*	113866 EATON		100263	11434537 ALLCH		471341=	11514LPD JN-MN		471827!*
11317 BU-SP		412473!	113866 EATON		4562V	114378 HERCU		471795	11514LUP JN-MN		471827!
1131714X1 IH		456199=	113875 CLARK		417283	114378Y AVCO		471795	11515LPD JN-MN		473471*
11318 BU-SP		417351!	11391 C-R		450332	114392-A-107 FWD	HU009A		11515LUP JN-MN		473471
11318 C-R		471763*	11392 C-R		473259*	114399 GOODM		471649!	115162TB TRSCM		474260
11319 BU-SP		415379	11392 C-R		473259	114399 JEFF		471649!	115172TB TRSCM		471707
11319 BU-SP		415379!	113970R91 IH		473473	114407 WHITE		472258	11517LPD JN-MN	455625=	
11320 C-R		471763*	113971R91 IH		471413!	114410-A-107 FWD	HU149A		11517LUP JN-MN	455625=	
113243 UNIVE		50254=	1139896 CHRYS		450776!	114411-A-204 FWD	730149		11518 C-R		474260*
113244 MICH		50254=	1139897 CHRYS		471862	1144500 HYST	40520S		11518 C-R		474260
11327SS JN-MN		351487	1139898 CHRYS		470950!	11448A HERCU		455189	115182SB TRSCM		471736
113286 OLIVE		470712!	1139898 CHRYS		6241S	1145022 BENDI		481568!	11518LPD JN-MN		473237!
11333 C-R		471763*	1139899 CHRYS		474264	1145028 ALLCH		473232	11518LUP JN-MN		473237!
113339 OLIVE		470712	1139900 CHRYS		471316	114533 HOUGH		411253!	115200 MIX		471766!
11334 C-R		471763	113E-4 HWY		417316!	11453LPD JN-MN		412119!	115201 MIX		470625!
113341 OLIVE		455189	113E36 HWY		450165	11453LUP JN-MN		412119!	115202TB TRSCM		471764!
11338 C-R		471763	113E36 HWY		471801!	11459 CHRYS		473010!	115202TB TRSCM		471764!
11339 C-R		471763	113R TIMKE		113PKG	114631 SPICE		471821!	11521 C-R		450482
11340 C-R		471763	114 UNIVE		473238!	114632 SPICE		471763	115210 MIX		473459
1134101 ALLCH		441130	114-W2-1 REO		733067	114636 GMC		471224!	115211 MIX		471870!
11341SB SPG		471341!	114-W2-11 REO		730018	11467 GAL		471255!	115214 MIX		472636!
1134220 ALLCH		410102	114-W2-2 REO		730026	11468A C-R		473228	11522 C-R		474260!
113424 CLARK		416664!	114-W2-3 REO		730004	1146S TIMKE	1146		11522 C-R		474260
113426 CLARK		415389	114-W2-5 REO		730001	1147 TIMKE	1147		115223 MIX		416654!
113426 KEN		415389	114-W2-6 REO		730003	11471 ITM	1110		115224 MIX		415995!
11343 C-R		471763*	114-W2-7 REO		730008	11471K CASE		417343!	115227 MIX		415142
1134395 ALLCH		472439	114-W2-8 REO		730016	11474A C-R		471766!	115229 MIX		471765!
11344 C-R		471763	114-W2-9 REO		730149	11476A C-R		472409!	11522LPD JN-MN		410308!
113485 AM WH		411500	1140 C-R		340835	114771R91 IH		417484!	11522LUP JN-MN		410308!
113501315 VW		1012	1140 TIMKE		1140	114774 HOUGH		415458!	11523 C-R		471736
113501315 VW		1012N	11405 C-R		472954	11479A C-R		416654!	115232 MIX		472397!
113501315H PORSC		224462	11407 C-R		710504	11480 KINNR		471538!	115235 MIX		412473!
113501315H PORSC	44X62X8!		114074 WHELA		471765!	11480A C-R		410987!	115237 MICH		473438
113517 O-M		474260	11409 KINNR		473428	11486SB SPG		470380!	115237 UNIVE		473438
11352 C-R		472644	11410 C-R		450430*	11486SB SPG		472189A!	11524 C-R		471736*
11353 C-R		472644	114102Y AVCO		473238	1149 GARLK		473462	115240 MIX		415303!
11353 JNSON		416921!	114109 MINNM		473229	114914 ALLCH		417267	115242 MIX		472157!
113550R91 IH		417538	114109 OLIVE		473229	114941 US-EL		327303!	115242 MIX		472157
113551R91 IH		417538	1141223C1 IH		396412* =	11497LPD JN-MN		476470	115243 UNIVE		473439!
113554R91 IH		471270!	11413 GWI		473228	11497LUP JN-MN		476470	115244 MICH		473439!
113558R91 IH		415449!	114134Y AVCO		450143	11498LPD JN-MN		482253	11525 C-R		473428
11356 C-R		471785	114135 MICH		415076*	11498LUP JN-MN		482253	115251 MIX		415483!
113569R91 IH		456105	114136Y AVCO		471192	11499LPD JN-MN		50266	115252 MIX		416664!
11357 C-R		471785	114136Y HERCU		471192	11499LUP JN-MN		50266	115254 MIX		473460
11358 C-R		471785!	11414 GWI		471820	114R TIMKE	114PKG		115256 MIX		473467
113585R91 IH		415449!	11415 GWI		473228	114X140X13SC TRSCM	114X140X13		115259 MIX		416273!
11359 C-R		471785!	114184 CLARK		416422	114X140X13TC TRSCM	114X140X13		11526 C-R		471736
11365 C-R		471785!	1141962R1 IH		5084	115 UNIVE		472394	11527 C-R		473428*
11366 BU-SP		471766!	11420 KINNR		471281!	115-4120 CATER	39881		115270 MIX		416865!
11366 C-R		471785	1142056 CHRYS		471267!	115-4120 CATER	5722		115271 MIX		55392=
11368 C-R		471785=	11420SS JN-MN		417484!	115-4120 CATER	947090\$		115272 MIX		327303!
11368LUP JN-MN		416156	114210 CLARK		415351!	115-W2 REO	HU028A		115273 MIX		417474
11369 C-R		471785	11422 C-R		1989	1150 GARLK		450472!*	115277 MIX		417488!
1136S TIMKE		1136	114225 MICH		473016!	1150-10509LUP JN-MN		415076	11528 C-R		473428*
1137 GRAY		471649!	114225 UNIVE		473016!	1150-15072STLUP JN-MN		415076	115280 MIX		4717495
11370 C-R		471785!	114228 FWD		370003A	1150-18708LPD JN-MN		415077	115282 MIX		416865!
11370 CASE		471763	114229 FWD		370003A	1150-9019LUP JN-MN		415077*	115283 MIX		450326
11370 CLARK		471763	114237 MICH		473225!	11500LPD JN-MN		415035	11529 C-R		471736
11371 C-R		481792=	114237 UNIVE		473225!	11500LUP JN-MN		415035	115291 MIX		415991
11372 C-R		481792	11424 KINNR		471647	115015 C-R		415077	115291 MIX		455146!
11374 C-R		481792	114243 UNIVE		474264	115016 C-R		415077	115292 MIX		415035
1137411C1 IH		470354	114244 MICH		474264	115020 C-R		415077	115292 MIX		415035!
11375 C-R		481792	114250 UNIVE		473226	115021 C-R		415077*	115293 MIX		417349
11376 C-R		481792	114275 UNIVE		450808	115025 C-R		415077	115294 MIX		455144
113763 OLIVE		471835!	11427LPD JN-MN		480630!	1150250 C-R		415077	1153 GARLK		473241
11378 C-R		450604*	11427LUP JN-MN		480630!	115040 C-R		415076	11532 C-R		473428
11379 ACF		415150!	11429 C-R		320595	115041 C-R		415076*	115322 MIX		471272!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
115328	MIX	417362!	115X140X12TC	TRSCM	115X140X12	11625	C-R	30X47X7!	11660LUP	JN-MN	412040
11533	C-R	473428	115X145X13AN	ISP	115X145X13	116250	MICH	473228	11662	C-R	223050 *
11533	WOODB	471272!	115X145X13AN(35)	ISP	115X145X13	116250	UNIVE	473228	11664	C-R	30X62X7
115330	MIX	55078S	115X150X12SC	TRSCM	115X150X12	116256	UNIVE	410190	116646	CLARK	473473
115332	MIX	471271!	115X150X12TC	TRSCM	115X150X12	1162565	ALLCH	473010!	11665	C-R	30X62X7
115333	MIX	473450	11600	C-R	1129	11626	C-R	223020	116652	OLIVE	472016
115334	MIX	472560N!	11600	C-R	223005	116265	HOUGH	472636!	11666	C-R	30X62X7V
11534	C-R	473428	11600	C-R	30X40X7!	116265H1	HOUGH	472636!	11668	C-R	30X62X7!
11535	C-R	473428	116002173010	ALFAR	224220	116265H1	IH	472636!	11669	C-R	1970
11535LPD	JN-MN	473460	116002173010	ALFAR	42X56X7!	1162682	ALLCH	472572!	1166965	CONTI	473236!
11535LUP	JN-MN	473460	116002173010	ALFAR	494117	1162682	FUNK	472572!	116698	WILYS	340413
1154	GARLK	473241 *	11601	C-R	30X40X7V	11627	C-R	30X47X7V	11669LPD	JN-MN	455191 *
1154109	CATER	39881	11601724	CHRYSL	471564	1162717	ALLCH	416154!	11669LUP	JN-MN	455191
1154109	CATER	5721	11602	C-R	30X40X7!	1162717	FUNK	416154!	11670	C-R	30X65X8
11544	C-R	471764 *	11603	C-R	223005	116275	MICH	473440!	11671	C-R	223018
11544	C-R	471764	1160303	FUNK	470954!	116275	UNIVE	473440!	11672	C-R	1989
11545	C-R	471764	11603204	TROS	471472!	116276	MICH	474281!	11673	C-R	710267
11545	C-R	471764 *	116038	US-EL	417350!	11627A	C-R	471466	116736	AM WH	472394
115456H	IH	417316!	11603805	TROS	473405	116299	UNIVE	450326	11675	C-R	30X68X8
11548	C-R	471764!	11604	C-R	1129	1163	AT-PL	471787!	116757	ALLCH	415458!
11549	C-R	471764!	11604	C-R	223005	11630	C-R	30X48X8!	116757	WAUKE	415458!
11550	C-R	471764 =	11604	C-R	30X40X7!	11631	C-R	30X50X7	1167S	TIMKE	1167
11551LPD	JN-MN	472492!	11604004	TROS	471264!	116311	CLARK	471341!	1168	TIMKE	1168
11551LUP	JN-MN	472492!	11604204	TROS	481537	116313ISL	MICH	210914	116811	HOUGH	412871!
11552LPD	JN-MN	55301S	11604404	TROS	471538!	11631K	CASE	340210	116811H1	HOUGH	412871!
11552LUP	JN-MN	55301S	11604606	TROS	470506!	11632	C-R	223020	11682694	CONTI	7399S!
11553	C-R	451182	11604803	TROS	470954!	11632	C-R	30X47X7! *	116827	BRCWY	470334!
11553	WOODB	471272!	11604804	TROS	470954!	116324R91	IH	470898	11685	C-R	30X72X10 *
11555	C-R	473427	11604805	TROS	470954!	11633	C-R	30X48X8!	11685	C-R	30X72X7!
115551	OLIVE	470059	116049	CLARK	416229	11634	C-R	30X50X7 *	11685LPD	JN-MN	417171!
115551	OLIVE	470380!	11605	C-R	1129	11635	C-R	30X50X7	11685LUP	JN-MN	417171!
11557	C-R	473427 *	11605	C-R	30X40X7!	116352R91	IH	471553!	11686	C-R	30X72X10
11557LPD	JN-MN	417354! *	116050	CLARK	471271!	116353R91	IH	417344!	116867	WAUKE	471192
11557LUP	JN-MN	417354!	11605003	TROS	470601	116359	HOUGH	5976S	1169	NATL	3771
11558LPD	JN-MN	455005	11605005	TROS	470601	116359H1	IH	254287	11693LPD	JN-MN	415867
11558LUP	JN-MN	455005	11605006	TROS	470601	11635LPD	JN-MN	417356!	11693LUP	JN-MN	415867
1156-001	PYUNG	7457N	11605203	TROS	471539!	11635LPD	JN-MN	455188	116960	WAUKE	450415
1156-002	PYUNG	2146	11605204	TROS	471539!	11635LUP	JN-MN	417356!	11696LPD	JN-MN	412943
1156-025	PYUNG	1215N	11605205	TROS	471539!	11635LUP	JN-MN	455188	11696LUP	JN-MN	412943
1156-054	PYUNG	1990	11605603	TROS	254287	11636	C-R	223050	1169970246	MERCE	710290
1156-185	PYUNG	1990	11605604	TROS	254287	11638	C-R	30X52X7	116A04806	TROS	470954
11561	US-EL	472179	11606	C-R	30X40X7V	11639	C-R	223035 *	116A05603	TROS	7840S
11564LPD	JN-MN	481163!	11609	C-R	30X45X8V	1164	AT-PL	472164!	116R	TIMKE	116PKG
11564LUP	JN-MN	481163!	1161	TIMKE	712146	11640	C-R	223035	116T5	WHITE	471821!
11566	C-R	450362	11610	C-R	1970	11640	C-R	30X52X7!	117	FMC	440RR
115687H	IH	470898	11610	C-R	30X42X7!	11641	C-R	30X52X10V	117-289-E91	IH	370001A
11568LPD	JN-MN	472287!	11610002	TROS	240731	11641073	CONTI	J1120 =	117-D6	REO	370349A
11568LUP	JN-MN	472287!	11611	C-R	223010	11643LPD	JN-MN	417516	11700	C-R	483488
11569LPD	JN-MN	450621	11612	C-R	223012	11643LUP	JN-MN	417516	1170107	GMC	5589
11569LUP	JN-MN	450621	11614	C-R	223012	11645446	CHRYSL	473197 =	11702	C-R	710065
11577LPD	JN-MN	416239!	11614	C-R	30X44X7!	11645447	CHRYSL	481397 =	11706	NEWPR	2465
11577LUP	JN-MN	416239!	11615	C-R	223014 *	116456H	IH	417316!	117078	GMC	415449!
115806H	IH	450165	11615	C-R	30X45X8!	11650	C-R	7442H	117093	WILYS	340787
115806H	IH	471801!	11616	C-R	223012 *	11652	C-R	30X55X10 *	11709LPD	JN-MN	416892!
11583SS	JN-MN	340356	11618	C-R	710359	11652	C-R	30X55X7!	11709LUP	JN-MN	416892!
11585	C-R	472475 *	11619	C-R	2016	11653	C-R	30X55X10V *	1170S	TIMKE	1170
115885	OLIVE	455121	1162	GARLK	450474 *	11654	C-R	30X56X8	1171	NATL	223542
115887	OLIVE	470764!	11620	C-R	223018	11654LPD	JN-MN	481163!	1171	NATL	35X55X11!
115887	OLIVE	50764	11620	C-R	30X46X7!	11654LUP	JN-MN	481163!	11712	C-R	340817
11589	C-R	223014	11622	C-R	1981	11655	C-R	3907	117131H1	IH	471504
1159	NATL	222510	116225	UNIVE	470625!	116557	AM WH	471354!	11719	NAK	280X320X20
115950	SPERY	204035	11623	C-R	223020	11657	C-R	30X56X8	11720	C-R	470328
115950	VICK	205035	116237	MICH	470059	11658	C-R	30X55X10	11720	C-R	481213!
11598935	CONTI	473237!	116237	MICH	470380!	11659	C-R	30X47X7 *	11721	C-R	470328
11599K	CASE	340927	116237	UNIVE	470059	116596	HOUGH	471224!	11721	C-R	481213!
115A980AAP21	GE	471554!	116237	UNIVE	470380!	116596H	HOUGH	471224!	117225H1	HOUGH	415995!
115A980AB1	GE	472185!	116237SL	MICH	470059	116596H1	HOUGH	471224!	117235H1	IH	471835!
115A980AD3	GE	481073	116237SL	MICH	470380!	116596H1	IH	471224!	117237ISL	MICH	452222!
115A980AD9	GE	471554!	11624	C-R	30X47X7	1166	NATL	222510	11728	C-R	470328
115G-20	WHITE	5494\$	116243	UNIVE	471820	1166	NATL	25X35X7!	11729	C-R	40328
115R	TIMKE	115PKG	116244	MICH	471820	11660	C-R	30X60X8	1172S	TIMKE	1172
115X140X12SC	TRSCM	115X140X12	11625	C-R	223020	11660LPD	JN-MN	412040 *	1173	TIMKE	1173

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
11730 C-R	470328*	11788A C-R	470898!	118202SB TRSCM	471765!	1185296 FMC	470954!
11730 C-R	481213	11788A C-R	470898	118202TB TRSCM	471765!	11854 BL-KN	410308!
1173052 GMC	5589\$	11789LPD JN-MN	415349	1182062TB TRSCM	471354!	11854 FULLE	471413
11731 HWY	410102	11789LUP JN-MN	415349	1182111 GMC	472164	11854 NAK	78X115X10
11732 C-R	2551	1178H OSHKO	415960!	118212SB TRSCM	473205!	1185485 FMC	471737
11732 EMRSN	473237!	1178S TIMKE	1178	118225 HOUGH	450398	11855 C-R	453063
11733 C-R	9487	1179 C-R	HU036A	118225 HOUGH	471267!	118559 BRCWY	412119!
11734 C-R	473203	1179 NATL	224045	11822SS JN-MN	473237!	11855LDS JN-MN	471424!
11735 C-R	473203	1179 NATL	40X62X12!	118237 UNIVE	472299	1185629 FMC	471766!
117362R91 IH	416282	11790LPD JN-MN	417511	1182385 GMC	470605!	1185630 FMC	471766
117380 WAUKE	471271!	11790LUP JN-MN	417511	118242SB TRSCM	474256!	1185633 FMC	471633!
11739LPD JN-MN	415142*	117933 CLARK	415303!	118243 UNIVE	471821!	1185642 FMC	471652
11739LUP JN-MN	415142	11793STLPD JN-MN	509516	118244 MICH	471821!	1185643 FMC	415984!
11740 C-R	473425	11796 C-R	471765!	118250 MICH	473229	1185687 FMC	471744!
11744 FULLE	415027	11797 C-R	471765!	118250 UNIVE	473229	1185734 FMC	471808!
11744 FULLE	415027!	1179RC SUL	471750!	118256 UNIVE	450143	1185735 FMC	471730
11747 C-R	483054N	117A4 WHITE	473467!	118259 GMC	471763	1185769 FMC	473244!
11747A C-R	415449!	117D6 WHITE	370036A	11826 C-R	471765!	1185777 FMC	471737
11748A C-R	415995!	117D6 WHITE	370349A	118262 MICH	470682	1185882 FMC	471224!
11748A C-R	415995	117R TIMKE	117PKG	118262 UNIVE	470682	11859 BL-KN	456105
1174S TIMKE	1174	118-5352 FMC	481397	118275 MICH	473441	11859 C-R	471354!
1175 TIMKE	1175	1180-034 PYUNG	223250	118275 UNIVE	473441	1185929 FMC	472258!
1175144 FMC	471267!	1180-035 PYUNG	225040	118276 MICH	450273	1186 BL-KN	472164!
11753 C-R	472475*	11800 C-R	471765	118276 WILYS	470954!	1186 COC	471870!
11754 C-R	472475*	11801 C-R	471765!	118287 MICH	473442!	1186 WMG	1979
11754A C-R	417356!	11801 JN SON	J1124	118287 UNIVE	473442!*	11860 C-R	471354!
11754A C-R	455188	118023 HOUGH	417344!	1183 TIMKE	1183	1186052 FMC	471224!
117565 HOUGH	415995!	11803 C-R	471765!	11830 BL-KN	473313	11863 BL-KN	416706!
117565H1 HOUGH	415995!	118049 HOUGH	472409	11830LUP JN-MN	417487!	11865 BL-KN	473236!
117567 HOUGH	417316!	11804LPD JN-MN	415066*	11830LUP JN-MN	417487	11866 BL-KN	471762!
117567H1 HOUGH	417316!	11804LUP JN-MN	415066	11832 BL-KN	417487	11867150 GMC	471554!
117568 HOUGH	412119!	11805 C-R	471765!	11832LPD JN-MN	416153!	11868 BL-KN	415577
117580R91 IH	471413	118068 CLARK	417344!	11832LUP JN-MN	416153!	1187 BL-KN	411253!
11758LPD JN-MN	55333=	118086H1 IH	416654	11833 BL-KN	472185!	1187 NATL	47X68X10!
11758LUP JN-MN	55333=	118095 CLARK	473215!	11833 NAK	14X27X7	1187003 FMC	471570!
117598 CLARK	203008	11809LPD JN-MN	450523	11833LPD JN-MN	417079	1187004 FMC	471224!
1176-013 PYUNG	1990	11809LUP JN-MN	450523	11833LUP JN-MN	417079	1187006 FMC	471692!
1176-023 PYUNG	223801	1180R MINNM	6590S	11834SS JN-MN	472560N!	1187009 FMC	473215!
1176-049 PYUNG	2011	1180S TIMKE	1180	11835 BL-KN	413469!	1187010 FMC	474276!
1176-055 PYUNG	1990	1181 TIMKE	1181	11835A C-R	472015!	1187011 FMC	473367!
11760 BU-SP	417967!	118100 C-R	300X340X20*	11836 C-R	471765	1187011 FMC	473367
117604 CLARK	473464	118103 HOUGH	471224!	11837LPD JN-MN	472492!	1187012 FMC	472179
11764 C-R	472475	118113 BL-KN	415960!	11837LUP JN-MN	472492!	1187013 FMC	474281!
117643 HOUGH	470530!	118116 BL-KN	417082	118393 SIMPL	470390=	1187014 FMC	473463
117643H1 HOUGH	470530!	118117 SIMPL	472065=	1184 NATL	224520	1187015 FMC	450343
11765 C-R	471765!	118118 SIMPL	471224!	1184 NATL	45X60X10!	1187016 FMC	415082
117652 AM WH	415072	11812 BL-KN	473438	11840 C-R	471765	1187017 FMC	415088
11766A C-R	470334!	118126 BL-KN	416125!	11841 C-R	471765	1187017 FMC	415088!
11766A C-R	50289	118138 BL-KN	450532	11842A CLARK	J1127	1187020 FMC	474278!
11769A HERCU	471570!	11814 BL-KN	410190	11844 BL-KN	473464!	11871 BL-KN	55155=
1176S TIMKE	1176	11815 BL-KN	473234	11844 BL-KN	473464	11872 JN SON	416364!
1177 TIMKE	1177	11815 C-R	471765	11845 BL-KN	415060	1187241 FMC	471141!
11770 C-R	483488	11815 JN SON	415437	11845 BL-KN	455060	1187242 FMC	472924!
11771 C-R	40576S	11815 JN SON	415437!	11845 C-R	40576S	1187243 FMC	470898!
1177176 FMC	471487	11816 BL-KN	472924!	11846 C-R	40576S	1187315 FMC	473437
11772 C-R	473426*	118162SB TRSCM	481213!	11847 BL-KN	474274	11874 JN SON	J1138
117720 WAUKE	470712!	118162VC TRSCM	340817	118481A1 CASE	370069A	1187421 FMC	474254!
1177242 FMC	411376!	118163 BL-KN	416024	118482A1 CASE	370121A	1187447 FMC	205035
1177243 FMC	471747!	118167 BL-KN	476470!	11848P IH	412473!	1187521 FMC	471354!
11773 C-R	473426	118167 BL-KN	476470	118490H IH	5951	11875LPD JN-MN	413246
11776 BU-SP	473467!	118168 CLARK	417344!	1184RC SUL	417486	11875LUP JN-MN	413246
11776 C-R	473426*	118169 BL-KN	416294!	1185 NATL	1012	1187717 FMC	476838!
11777 C-R	473426*	11817 BL-KN	415995!	1185 NATL	1012N	1187718 FMC	471520
11778 C-R	4813V	118170 BL-KN	J1123	1185 NATL	45X62X8!	1187719 FMC	471750!
11779 C-R	473426	118172SB TRSCM	473203	1185 WMG	1012N	1187720 FMC	473427
1178 NATL	224015	118172TL-H TRSCM	473203	1185071 FMC	471763	1187721 FMC	473467!
11780 C-R	473426	118173 CLARK	470898	11851 BL-KN	472015!	1187722 FMC	472492!
11780LPD JN-MN	417158!	1181788 GMC	472164	1185119 FMC	450165	1187723 FMC	470380!
11780LUP JN-MN	417158!	118183SB TRSCM	473425	1185119 FMC	471801!	11878 C-R	471354!
117829A OSHKO	416297	11819 BL-KN	471787!	1185144 FMC	471267!	11879 C-R	471354=
11783A HERCU	473179	118192TB TRSCM	473426	11852 C-R	40576S	118795H1 HOUGH	410825
11788 C-R	471765!	1182 WMG	224270	1185295 FMC	472311!	1187OS JN-MN	473238!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
1187S	TIMKE	1187	119250	MICH	482253	119641	CROSS	471763	119700	CROSS	352541
11881	C-R	471354!	119250	UNIVE	482253	119642	CROSS	471766!	119701	CROSS	412871!
11881LPD	JN-MN	471504!	11926	C-R	474254	119643	CROSS	472258!	11970SS	JN-MN	40410S
11881LUP	JN-MN	471504!	11926	C-R	474254*	119644	CROSS	481163!	11976A	CONTI	411394!
118856	US-EL	472164!	1192615	CHRY	6597S	119645	CROSS	474274	11979	JOHND	473459
11885665	GMC	340771	119262	MICH	451469	119646	CROSS	472179	1198	ALOY	416273
118857	US-EL	471692!	119262	UNIVE	451469	119647	CROSS	472572!	1198	BU-SP	472439
118858	US-EL	471192	119276	MICH	450274	119648	CROSS	472492!	1198	C-R	415219
118864	CLARK	416592=	1192796	GMC	5591\$	119649	CROSS	472015!	11981	HUB-C	471744!
1188S	TIMKE	1188	1192796	WILYS	5591\$	119650	CROSS	471272!	11981LPD	JN-MN	416267!*
1189	NATL	1960	11928	C-R	55224=	119651	CROSS	416271!	11981LUP	JN-MN	416267!
11890	C-R	710068	119288	CLARK	415076	119652	CROSS	415449!	11982LPD	JN-MN	471818*
1189011	GMC	470774!	1193	ALOY	1949	119653	CROSS	415483!	11982LUP	JN-MN	471818
1189012	GMC	470774!	11930	C-R	474256*	119654	CROSS	416664!	1198434	HYST	416273
11892	AVCO	40568S	11930	C-R	474256	119655	CROSS	417344!	119865	US-EL	416380!
11892	BL-KN	473229	1193133	GMC	5591\$	1196555	GMC	7751H	1198816	HYST	471684!
11893LPD	JN-MN	450339	1193151	GMC	5591\$	119656	CROSS	417349	1198RC	SUL	471765!
11893LUP	JN-MN	450339	119317	WAUKE	415442!	119657	CROSS	416288!	1199-B1614	WHITE	5471
11894	C-R	473205	119317	WAUKE	55442	119658	CROSS	476470	11991	BU-SP	415023
11894LPD	JN-MN	416664!	11932	C-R	474256*	119659	CROSS	416294!	119951	GMC	417562
11894LUP	JN-MN	416664!	11933	C-R	474256*	119660	CROSS	415437	119952	GMC	415645!
11895	C-R	473205	11933	C-R	474256	119660	CROSS	415437!	119952	GMC	455104
1189686	CHRY	450808	11934	C-R	474256*	119661	CROSS	415937!	119956	GMC	331301N
1189686	DURA	450463	11934	C-R	474256	119662	CROSS	415379	1199777	GMC	7751H
1189686	SPICE	450808	11935	C-R	474256*	119662	CROSS	415379!	1199777MPM	GMC	7751H
1189726	CHRY	413469!	11935	C-R	474256	119663	CROSS	417210!	1199A-1665	ROCKW	JV701
1189732	CHRY	472179	11935A	C-R	471649!	119664	CROSS	417356!	1199A-3125	ROCKW	JV1101=
1189854	GMC	340724!	11937	US-EL	415498	119664	CROSS	455188	1199A-3329	ROCKW	JX1990=
11899	C-R	710068	1193752	CHRY	470712!	119665	CROSS	417511	1199B-1614	ROCKW	JV701
118993H1	HOUGH	450084!	119393	GOODM	450593!	119666	CROSS	416891!	1199B-1666	ROCKW	370006A
118R	TIMKE	118PKG	119393	JEFF	450593!	1196668	GMC	473228!	1199B-3148	ROCKW	JV1122=
119	C-R	5585	1193965	GMC	5587	119667	CROSS	415196!	1199E-1669	ROCKW	JV753
1190	B-L-H	415090	1193965	WILYS	5587	119668	CROSS	416888!	1199E-2059	ROCKW	J1129
1190	C-R	415090	1194	ALOY	1952	119669	CROSS	416158	1199E-2527	ROCKW	J1134
1190	NATL	1955	1194	C-R	55218=	119670	CROSS	417247!	1199F3152	GAL	JV1126=
1190	NATL	52X65X9!	1194	NATL	33X50X12!	119671	CROSS	416167!	1199J-2428	ROCKW	J1197*=
1190	WMG	1955	1194	WMG	33X50X12!	119672	CROSS	415725!	1199J-2652	ROCKW	J1128
11904	C-R	5168	119427	EATON	9773	119673	CROSS	415645!	1199J-2652X	ROCKW	J1128
11904	CHRY	471870!	119429	EATON	416654	119673	CROSS	455104	1199M3159	GAL	JV1132=
119049	OLIVE	470059	119430	EATON	412473	119674	CROSS	417254	1199P3162	GAL	JV1134=
119049	OLIVE	470380!	119431	EATON	415458	119675	CROSS	416666	1199P3164	GAL	JV1136
119049	WHITE	470059	119432	EATON	712937	119676	CROSS	415072	1199R3164	GAL	JV1136
119049	WHITE	470380!	1194359	GM	420	119677	CROSS	455480!	1199S-3139	ROCKW	JV1113=
11905	C-R	473205	119457	EATON	9773	119678	CROSS	415294!	1199T3166	GAL	JV1138=
11906	C-R	473205	119458	EATON	722250	119679	CROSS	417596	1199T3166	ROCKW	JV1138=
11907	C-R	473205!	1194581	GMC	7751H	119680	CLARK	415958	1199X3534	GAL	JV1355=
1191	NATL	52X72X8!	119459	EATON	712625	119680	CLARK	415958!	1199Z3146	GAL	JX1120
11911	C-R	472350!	1194729	HYST	471141!	119680	CROSS	417597	119B152	FED	473205
11912	C-R	415871	1194868	HYST	451082	119681	CROSS	415116	119E-70	HWY	415449!
119132	GAL	416239!	119487	HOUGH	416271!	119682	CROSS	415551	119E-9	HWY	472016
11914	C-R	474255*	119487	US-EL	471076	119683	CROSS	455406!	119E70	FWD	415449!
11914	C-R	474255	119488	HYST	240698	119684	CROSS	417600	119R	TIMKE	119PKG
11916	C-R	417606	119488	US-EL	472258!	119685	CROSS	415124	119T5	WHITE	472144!
11917	C-R	474255	1194A	MASSE	473214	1196856	GMC	331301N	11A1166	FED	416153!
11918	C-R	474255	1194RC	SUL	417513	1196857	GMC	331301N	11A1208	FED	417344!
1191888	CHRY	412119	1195	TIMKE	1195	119686	CROSS	417604	11A1208	GMC	417344!
1192	TIMKE	1192	1195013	CHRY	471689!	119687	CROSS	415128	11A1214	FED	417316!
11920	C-R	55222=	1195133	CHRY	474278!	119688	CROSS	415090	11A1301	FED	471689!
1192109	CHRY	410825	119516H1	HOUGH	455336	119689	CROSS	415219	11A1369	FED	410496!
11921P	IH	417604	1195497	GMC	473442!	11968SS	JN-MN	481644	11A1466	FED	6635S
1192233	CHRY	416282	119573	CLARK	416657	119690	CROSS	417606	11A1480	FED	417134
11923	C-R	474254	119575	CLARK	416657	119691	CROSS	55223=	11A2139	FED	412119
11923	C-R	474254*	1195878	HYST	482310	119692	CROSS	417020	11A2398	FED	415023
11924	C-R	55223=	1195A-15	IH	471835!	119693	CROSS	353132	11A2399	FED	473447
11924	CHRY	473204	1195A-16	IH	473228	119694	CROSS	471413	11A2520	FED	415001!
119243	UNIVE	450065	1195D1	WHITE	412027	119695	CROSS	471224!	11A2568	FED	415001!
119244	MICH	450065	1196	ALOY	1992	119696	CROSS	473231!	11A5167	FED	416288!
1192474	CHRY	417316!	1196	TIMKE	1196	119697	CROSS	474276!	11A6070	FED	5408
11924LPD	JN-MN	471231!	1196233	CHRY	415697!	119698	CROSS	471195!	11A6071	FED	470530!
11924LUP	JN-MN	471231!	1196233	CHRY	455547	119699	CROSS	450400	11A6072	FED	472179
11925	C-R	474254	11962A	C-R	471224!	1197	NATL	223240	11A6109	FED	416738!
11925	C-R	474254*	119640	CROSS	471760	1197	NATL	32X48X8!	11A6109	FED	450096

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
11A6205	FED	473203	11X15910A	JOHND	417563	12043247	GMC	9845	12115LPD	JN-MN	415379
11A6240	FED	410825	11X15911A	JOHND	416380!	1205	TIMKE	1205	12115LPD	JN-MN	415379!
11A7033	FED	472164!	11X17X4	FORSH	11X17X4	1205-B-1250	ROCKW	386025A	121169	CLARK	JV1133=
11A7073	FED	472164!	11X17X4	SIMRT	11X17X4	1205-B-1250	ROCKW	416158	121194VB	TRSCM	203016
11A7226	FED	417159	11X17X4SC	TRSCM	11X17X4	1205375	HOUGH	417316!	1212	ALOY	1953
11A7227	FED	415137!	11X17X4TC	TRSCM	11X17X4	1205B-366	ROCKW	B300	12121	C-R	203016
11A7227	FED	418028	11X22X7	FORSH	11X22X7	1205B2264	ROCKW	370001A	12122LPD	JN-MN	455194*
11A8151	FED	471192	11X22X7	SIMRT	11X22X7	1205D-1850	ROCKW	370037A	12122LUP	JN-MN	455194
11A8221	FED	473473	11X22X7SC	TRSCM	11X22X7	1205E-1851	ROCKW	370036A	12123	C-R	450048
11A8285	FED	417487	11X22X7TC	TRSCM	11X22X7	1205E-1851	ROCKW	370349A	12124	C-R	203025
11A8318	FED	473010!	11X24631A	JOHND	417254	1205L-1260	ROCKW	370065A	12124LPD	JN-MN	473421
11A8344	FED	470059	11X25647A	JOHND	417621!	1205M-1469	ROCKW	370037A	12124LUP	JN-MN	473421
11A8344	FED	470380!	11X26X7	FORSH	11X26X7	1205M-1469	ROCKW	370338A	12125	MICH	50010*
11A8426	FED	415988	11X26X7	SIMRT	11X26X7	1205N	TIMKE	1205N	12125	UNIVE	50010
11A8486	FED	415960!	11X26X7SC	TRSCM	11X26X7	1205P-1212	ROCKW	386025A	121250	MICH	450260
11A8558	FED	417355!	11X26X7TC	TRSCM	11X26X7	1205P-1212	ROCKW	416158	121250	UNIVE	450260
11A8600	FED	5751	11X30X7AS	ISP	11X30X7	1205Q2123	ROCKW	484206	121268	UNIVE	450073
11A8729	FED	473450	12-048027	FAIRB	473228	1205R2488	ROCKW	100067	121269	MICH	450073
11A8829	FED	50631	12-100210	TW-CO	415995!	1205X-752	ROCKW	6954S	121275	MICH	450284=
11A8921	FED	415458!	1200	C-R	5460	1206	ALOY	1196	121275	UNIVE	450284=
11A8942	FED	473231!	1200-12333LPD	JN-MN	417608	1206	C-R	417505	121277	CLARK	476470!
11A8975	FED	415960!	1200-14671STLPD	JN-MN	417608	1206LPD	JN-MN	415284	121277	CLARK	476470
11A8982	FED	472144!	1200-3737LPD	JN-MN	417608	1206LUP	JN-MN	415284	1213	C-R	5495
11A8996	FED	470530!	1200-6951LPD	JN-MN	417608*	12061	DGASK	35224	12130	C-R	450048
11A906	OSHKO	411253!	1200-9030LUP	JN-MN	417608	120632H	IH	5MR71	121305	CLARK	413247!
11A9083	FED	411500	120005	SPG	712111	12064	EATON	5M867	12131	C-R	450173
11A9110	FED	471766!	120017	SPG	712108	1206OS	JN-MN	472636!	12133	C-R	450173
11A9210	FED	472636!	120051	C-R	417608	1207	C-R	370019A	1213305	CLARK	413247!
11A9248	FED	472394	1200530	C-R	417608	12070	JN SON	415984!	12133A	VICK	417600
11A9249	FED	472016	1200580	C-R	417608	120728	GMC	418028	12134	C-R	450173
11A9250	FED	472394	120060	C-R	417608*	120728	GMC	455137!	12135	DGASK	16213
11A9260	FED	472636!	120061	C-R	417608	12075	BENDI	471442!	121374R91	IH	471787!
11A9327	FED	415449!	12006LPD	JN-MN	470334!	12076LPD	JN-MN	470954!	12137A	HERCU	474278!
11A9419	FED	416654	12006LUP	JN-MN	470334!	12076LUP	JN-MN	470954!	12139	JN SON	416664!
11A9494	FED	416654	12007LPD	JN-MN	473367!	12078LPD	JN-MN	417596	1213N	TIMKE	1213N
11A9506	FED	415449!	12007LPD	JN-MN	473367	12078LUP	JN-MN	417596	1213S	TIMKE	1213N
11A9508	FED	472636!	12007LUP	JN-MN	473367	1207N	TIMKE	1207N	1214	C-R	417505
11A9508	NAPCO	472636!	12007LUP	JN-MN	473367!	1208	C-R	370005A	1214	TIMKE	1214
11A9509	FED	415449!	12009	ONAN	450269	1208	SPG	48X72X7	12146	JN SON	415196!
11A9577	FED	415960	1201	C-R	J729+75251S	12082SB	SPG	472082	121477R91	IH	410825
11A9655	FED	415041	12010	HERCU	412119	12089LPD	JN-MN	415938*	121482	CASE	472015
11A9670	FED	472636!	12011	C-R	31X44X8	12089LUP	JN-MN	415938	12149LPD	JN-MN	415124*
11A9681	FED	410102	12011550	NOK	1953	1208RC	SUL	471553!	12149LUP	JN-MN	415124
11A9682	FED	470334!	12016	CLIMX	476838!	1209	ALOY	1178	1214N	TIMKE	1214N
11A9767	FED	473367	120165H	IH	412871!	12091	ONAN	470954	1215	C-R	370003A
11A9767	FED	473367!	120171	MINNM	470954!	12092	ONAN	471554!	12150A	HERCU	471795
11AE-0210	WHITE	6638S	120171	OLIVE	470954!	120966	HOUGH	240735	12151VB	TRSCM	240736!
11B10141	NAPCO	55357	1201K1	WHITE	323138!	12098A	CONTI	455194	12151VB	TRSCM	343186
11B2363	FED	416654!	1202	C-R	5462\$	120A04805	TROS	480821!	12152	C-R	450177
11B7096	FED	473228!	120243	UNIVE	473367!	120A05604	TROS	340413	12156LPD	JN-MN	417504
11B8381	FED	370036A	120243	UNIVE	473367	120A1000.25	TROS	342517	12156LUP	JN-MN	417504
11B8639	FED	472394	120244	MICH	473367!	120MF-23	MACK	730004	12158	JN SON	J1130
11B8943	FED	411253!	120244	MICH	473367	120R	TIMKE	120PKG	12159LPD	JN-MN	415937!
11BE0210	WHITE	370048A	120250	MICH	473010!	120X140X13SC	TRSCM	120X140X13!	1215N	TIMKE	1215N
11BE0210	WHITE	380048A	120250	UNIVE	473010!	120X140X13TC	TRSCM	120X140X13!	1216	ALOY	1012
11BK126	MACK	415995!	120262	MICH	473232	120X145X12SC	TRSCM	120X145X12!	1216	TIMKE	1216
11BMT267	MACK	411253!	120268	UNIVE	481864	120X145X12TC	TRSCM	120X145X12!	12160	CALI	415577
11BMT340	MACK	417159	120269	MICH	481864	120X150X12SC	TRSCM	120X150X12	12161VB	TRSCM	240356!
11BMT343	MACK	415137!	120275	MICH	474274	120X150X12TC	TRSCM	120X150X12	12161VB	TRSCM	340356
11BMT343	MACK	418028	120275	UNIVE	474274	120X160X12SC	TRSCM	120X160X12	12162SB	TRSCM	474278!
11BMT422	MACK	417344!	120276	MICH	450275	120X160X12TC	TRSCM	120X160X12	12162SB	TRSCM	6859S
11C1677	FED	473215!	120287	MICH	473444	1210	C-R	417020	12162TF	TRSCM	322353!
11C4202	FED	472016	120287	UNIVE	473444	1210	WMG	224015	12162TF	TRSCM	323126
11CB-0210	WHITE	417254	120299	UNIVE	450415	12100	MICH	471103!	12162VTB	TRSCM	474278
11CD0260	WHITE	370048A	120300	UNIVE	414268!	12100	UNIVE	471103!	12163LPD	JN-MN	472012
11CD0260	WHITE	380048A	12030A	HERCU	472179	1210076	TW-CO	413246	12163TB	TRSCM	474278
11CH-0210	WHITE	370003A	12031A	HERCU	417488!	121012	CLARK	7700S!	12163TM	TRSCM	353135
11EHT271	MACK	472636!	120325	UNIVE	450467	121017H1	HOUGH	473231	12164SS	JN-MN	487945
11EHT307	MACK	415449!	12032A	HERCU	471224	12108	C-R	417570	12165	C-R	203025
11FT-B-0210	WHITE	5471	12033A	HERCU	472439	1211	C-R	5481	121693	CLARK	472924!
11G3211	LEYLD	1097N	12034A	HERCU	472492!	12110	JN SON	J1118	1216N	TIMKE	1216N
11G3270	LEYLD	1097N	12038LUP	JN-MN	471526!	12110	O-M	J1118	1217	C-R	5453

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
1217	TIMKE	1217	12220	DGASK	35224	12301	C-R	710332	12304882	GMC	417158!
12172TB	TRSCM	471413!	122200	LETN	472185!	12302	GW	415027	12304883	GMC	415458
12172TBY	TRSCM	7412S	122200	WABCO	472185!	12302	GW	415027!	12304890	GMC	415960!
12172VHY	TRSCM	471413	122207XX	TIMKE	12X22X7	12302148	GMC	442874	12304894	GMC	2655
12172VSB	TRSCM	471413	122216A	OSHKO	455820	12302149	GMC	472394	12304898	GMC	415991!
12173TC	TRSCM	471413	1222309	WOOL	417621!	12302150	GMC	482126	12304898	GMC	415991
1218072	FMC	471689!	122250	MICH	473234	12302151	GMC	4148	123048H1	IH	470774!
12182TB	TRSCM	471737	122250	UNIVE	473234	12302159	GMC	412119!	12304972	GMC	6465
12184	DGASK	35418	122262	MICH	473235!	12303049	GMC	472560N!	12305064	GMC	8549S
12184LUP	JN-MN	5115	122262	UNIVE	473235!	12303289	GMC	2146	12305065	GMC	2642
12187	C-R	710516	122268	UNIVE	474265	12303340	GMC	8935S	12305146	GMC	473228
121896	KOE	417509	122269	MICH	474265	12303342	GMC	6936S	12305147	GMC	473452
1218B	GOODM	470625!	12227	CLAYN	472016	12303343	GMC	5337	12305151	GMC	410737!
1219	C-R	417506	122275	MICH	473236!	12303470	GMC	40316S	12305152	GMC	340797
121905XX	TIMKE	12X19X5	122275	UNIVE	473236!	12303471	WMG	51322	12305156	GMC	410308!
1219114	FMC	473437	122287	MICH	473446	12303524	GMC	417487	12305159	GMC	5202
12192VB	TRSCM	204507!	122287	UNIVE	473446*	12303585	GMC	44052	12305161	GMC	5203
12192VH	TRSCM	204507!	1223	C-R	370036A	12303587	GMC	44053	12305164	GMC	5205
12194KB	TRSCM	8429S	1223	C-R	370349A	12303595	GMC	417480!	12305166	GMC	472164!
12194VB	TRSCM	203029	1223	C-R	380036A	12303596	GMC	415958	12305167	GMC	471271!
12194VHY	TRSCM	204029	122306	MICH	470086	12303596	GMC	415958!	12305173	GMC	2506
12195	CLAYN	474281!	122306	UNIVE	470086*	12303767	GMC	342805	12305279	GMC	417355!
121954SB	TRSCM	3199	122309	WOOL	417159	12303771	GMC	240735	12305279	GMC	485497
12196	CLAYN	473313	122318	UNIVE	450533	12303772	GMC	472560N	12305284	GMC	3604
121964VB	TRSCM	203012	12232F	IH	415001!	12303833	ACDEL	380003A	12305323	GMC	1180
12196LUP	JN-MN	417365	12233TB	TRSCM	471808!	12303833	ACDEL	417506	12305323	GMC	41X55X7!
121972VB	TRSCM	441319	12233TB	TRSCM	471818	12303834	ACDEL	370012A	12305324	GMC	1181
121974VB	TRSCM	203025	122407A	HARWA	12X24X7	12303835	ACDEL	418028	12305324	GMC	41X56X7!
121982TB	TRSCM	471750!	122407XX	TIMKE	12X24X7	12303836	ACDEL	370019A	12305329	GMC	7687S
121982TB	TRSCM	471750	122411R91	IH	7600S	12303837	ACDEL	370021A	12305330	GMC	473459
121982VAY	TRSCM	471750	12243	JN SON	415234!	12303838	ACDEL	370001A	12305331	GMC	7188S
121982VH	TRSCM	471750	12244SS	JN-MN	342613!	12303840	ACDEL	370023A	12307	GW	415832
121984SA	TRSCM	471750	1225	C-R	370036A	12303841	ACDEL	417505	1230781	FMC	471689!
121R	TIMKE	121PKG	1225	C-R	370349A	12303842	ACDEL	380131A	1231	C-R	HU007A
121SR-16	MACK	730003	12250	C-R	710172	12303842	ACDEL	416158	123111	ALLCH	415995!
121SR-17	MACK	730019	122507XX	TIMKE	12X25X7	12303845	ACDEL	415058	12318M1	C-R	450536
121SR-18	MACK	730149	12253	GEM	472560N!	12303846	ACDEL	370033A	12318M1	C-R	471535!
121SR-22	MACK	730004	12253LPD	JN-MN	416297	12303853	ACDEL	370003A	1232	ALOY	1174
122	WGEAR	455480!	12253SB	TRSCM	481833V	12303854	ACDEL	370065A	1232	C-R	HU013A
122005A	HARWA	12X20X5	12255R	OLIVE	415036	12303855	ACDEL	370106A	12320	C-R	710101
122005XX	TIMKE	12X20X5	12256	JN SON	J1111	12303889	ACDEL	376590A	123207A	HARWA	12X32X7
12202TB	TRSCM	471766!	12258	JN SON	416273!	12303892	ACDEL	370005A	123207XX	TIMKE	12X32X7
12202TB	TRSCM	471766	12259	DIVCO	410308!	12303893	ACDEL	370006A	123208	CLARK	474272!
12202VH	TRSCM	471766!	12259	HUGKE	410308!	12303902	GMC	1209	12320B	C-R	450535
12204	WITTE	474253!	1226	C-R	370036A	12303910	GMC	484058	12320B	C-R	471264!
122062TB	TRSCM	471787!	1226	C-R	370349A	12303911	GMC	340356	123222SB	TRSCM	8293S
122062VH	TRSCM	471787	1226	CLARK	471821!	12303912	GMC	482253	12325	C-R	251511
12209LUP	JN-MN	416102	122606	CLARK	417364	12303932	ACDEL	3945	12326	EMRSN	471737
1220B	GOODM	473228	122607	CLARK	415551	12303932	GMC	3945	123262	MICH	450068
1220D	GOODM	473228	122607XX	TIMKE	12X26X7	12304127	WMG	9161	123262	UNIVE	450068
1221	ALOY	1955	122664	CLARK	370020A	12304134	GMC	415085!	123268	UNIVE	50075=
1221	C-R	370036A	12267776	GMC	471652	12304134	GMC	456648	123269	MICH	50075=
1221	C-R	370349A	12268A	C-R	450593!	12304152	GMC	9376	123270	HYST	415960
12210LPD	JN-MN	473422	122690	HOUGH	473459	12304153	GMC	5072	123275	MICH	50191
12212	FUNK	415995!	122690H1	HOUGH	473459	12304155	GMC	417158!	123275	UNIVE	50191
12212TB	TRSCM	471795	1227	C-R	HU019A	12304206	GMC	6960	12328	C-R	240736
12212VSB	TRSCM	482230N	12270LUP	JN-MN	416557	12304211	GMC	40769S	123285	AM WH	417570
122134	CLARK	J1138	122740	CLARK	413248	12304224	GMC	350936	123287	MICH	50081
122135	CLARK	415938	12278B	HERCU	415196!	12304270	GMC	4250	123287	UNIVE	50081*
122169	LETN	J1124	122807XX	TIMKE	12X28X7	12304273	GMC	6781	12329	C-R	251511
122169	WABCO	J1124	12283TB	TRSCM	470806	12304275	GMC	7381S	1233	ALOY	1183
122170	LETN	415437	1229	C-R	HU014A	12304280	GMC	2689S	1233	C-R	HU009A
122170	WABCO	415437	12294LPD	JN-MN	473440!	12304286	GMC	9599S	12330	C-R	343186
122177	LETN	471760	122D6	WHITE	55353	12304290	GMC	471316	123315	CUMMI	416404!
122177	WABCO	471760	122G23137	GR-DV	417967!	12304330	GMC	1955	12332J	DIA	410708
122197	LETN	471554!	122G32137	GR-DV	417967!	12304330	GMC	52X65X9!	12333LPD	JN-MN	417608
122197	WABCO	471554!	122R	TIMKE	122PKG	12304639	GMC	8429S	12334	C-R	240356
1222	C-R	370036A	123	WGEAR	417254	12304644	GMC	40286	12335	C-R	474278
1222	C-R	370349A	1230	ALOY	1977	12304646	GMC	471652	12335	DIA	5957S
1222	UNIVE	455037	1230	C-R	HU014A	12304646	GMC	482208!	12335	EATON	5957S
12220	C-R	370036A	123007XX	TIMKE	12X30X7	12304720	WMG	7412S	12336	C-R	474278!
12220	C-R	370349A	12301	C-R	1121	12304725	GMC	473234	12336	C-R	6859S

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
12336358	GMC	473241	12371	C-R	PSK-1	12410	C-R	50445*	12437	C-R	471750
12336T2	DIA	473234	12372	C-R	471413!	12410003	TROS	252277	12439	C-R	471750!
12337	C-R	474278	12372	C-R	7412S	12410802	TROS	340835	124394	MIHLE	416891!
12337860	GM	427RR	12373	C-R	471413!	12411	C-R	204029	124395	MIHLE	416657
12337LUP	JN-MN	471281!	123767	CLARK	345035	12411	C-R	204507!	1244	ALOY	1188
12338	C-R	474278!	123779	CLARK	415389	12416	C-R	471472!	1244	ALOY	224820
12338023	GMC	710101	12379	C-R	471737=	124163	GOODM	471137	1244	ALOY	48X62X8!
12338F	DIA	472636!	1238	C-R	HU011A	124163	JEFF	471137	1244	C-R	4561V
1234	WHITE	471643!	12380	C-R	471737	124164	GOODM	473215!	1244	C-R	5602
12340	C-R	471413	123805R91	IH	370020A	124164	JEFF	473215!	12440	C-R	471750!
1234003	CATER	415995	123805R91	IH	415351!	124165	GOODM	470334!	12441	C-R	471766!
123409	CLARK	416158	12381	C-R	471737	124165	JEFF	470334!	12441LPD	JN-MN	471567
12341	C-R	474278!	12383	C-R	471737	124166	GOODM	415960!	12442	C-R	471766!
12342	C-R	474278!	12384	C-R	471737	124166	JEFF	415960!	12442	FUNK	415449!
12343	C-R	471413	12384477	GMC	472572	12416M1	C-R	471472!	124429	CLARK	3016
12344	C-R	353135	123848	CLARK	370012A	12418	C-R	471535!*	12443	C-R	471766!
12344	C-R	474278!	12385	C-R	471737=	12419	C-R	473405*	124430	CLARK	417545
1234498	GMC	712146	12386	C-R	471737	1241990	GMC	8835S	124431	CLARK	416112
12346	C-R	474278!	12387291	GMC	4525V	1241991	GMC	8660S	12444	CHAMP	471267!
1234705	BENDI	471442!	12389	C-R	471737=	1241A3	WHITE	415284	124443	MIHLE	470625!
1234727	BENDI	471224!	1238D	CALI	416008	1242	CALI	417604	124445	CLARK	JV1869=
1234835	BENDI	6863S!	1239	ALOY	1180	1242066	GMC	2043	12445	C-R	471766
1234836	BENDI	471535!	12392	C-R	PSK-1	1242067	GMC	2043	12446	C-R	471766
123486	CLARK	471272!	123947	CLARK	JV1136	1242068	GMC	2043	124464R91	IH	412871!
1234885	BENDI	470954!	12396	C-R	3199*	12422	C-R	471538!*	12447	C-R	471766!
1234896	BENDI	410496!	12398	C-R	203012*	12423	C-R	470506!	12448	C-R	471766!
1234899A	BENDI	471344	12399	C-R	203012	124234	CLARK	416332!	124480	CLARK	370082A*=
12349	C-R	240356	123G63-99	GR-DV	471766!	12423LUP	JN-MN	416039	1245	C-R	5603
1235	ALOY	1179	123R	TIMKE	123PKG	124250	MICH	472164!	12450	C-R	471766!
1235	CALI	50631	1240	C-R	5406	124250	UNIVE	472164!	12453	C-R	471766!
12350	C-R	322353*	12400	C-R	6906S	124256	UNIVE	472193!	124536R91	IH	410308!
12350	C-R	323126	1240037843	COLLS	472179	12426	C-R	471539!	12454	C-R	471766!
12350	C-R	474278!	12401	C-R	471750!	124262	MICH	472185!	12456	C-R	471766!
123507XX	TIMKE	12X35X7	124025	CLARK	417283	124268	UNIVE	470334!	12458	C-R	471766*
12351	C-R	474278!	124026	CLARK	JV1190=	124269	MICH	470334!	12458	C-R	471766!
12351	C-R	6859S	12403605	TROS	471551!	12427	C-R	471750!	12461	C-R	471766!
12355	C-R	471413!	12403806.5	TROS	476470	124275	MICH	472179	12461	DIVCO	470954
12355	C-R	7412S	12404	C-R	203029	124275	UNIVE	472179	124633R91	IH	471570
12355	C-R	PSK-1	12404004	TROS	471255!	124276	MICH	473447	12464	C-R	471766!
1235500	DRESS	471765!	12404006	TROS	471255!	124278	MICH	470334!	12466	C-R	471766*
123550005	EL-MO	471765!	124040065	TROS	471255!	124278	MICH	50289	12466	C-R	471766!
12356	C-R	7412S	12404205	TROS	481073	124278	UNIVE	470334!	12467	C-R	471766*
12357	C-R	471413	12404404	TROS	471553!	124278	UNIVE	50289	12467	C-R	471766!
12357LDS	JN-MN	415263	12404406.5	TROS	471553!	12428	C-R	471750!	12469	C-R	471766*
12358	C-R	471413!	12404804	TROS	471554!	124287	CLARK	416921=	12469	C-R	471766!
12359	C-R	471413!	12404808.5	TROS	471554!	124287	MICH	471141!	12471686	GMC	4762N
1235A	CALI	412943	12405	C-R	471750!	124287	UNIVE	471141!	12472	C-R	471766*
1236	C-R	HU012A	12405004	TROS	481443!	12429	C-R	471750!	12472	C-R	471766
12360	C-R	712025	12405006	TROS	481443!	124299	UNIVE	473448	12473	C-R	471766*
12361	C-R	471413*	12405006.5	TROS	481443!	1243	C-R	100495	12473	C-R	471766
12361	GMC	471413	12405006.5NA	TROS	481443!	1243	C-R	5601	12475	C-R	471766
1236163	GMC	2689S	12405204	TROS	471231!	124300	UNIVE	471984	12478060	GMC	470530
1236164	GMC	2689S	12405205	TROS	471231!	124306	MICH	473313	12480	C-R	471766
1236165	GMC	2689S	12405206.5	TROS	471231!	124306	UNIVE	473313	12480L	IH	450593!
12362	C-R	471413!	12405604	TROS	471267!	124310	CLARK	JV1140=	12481	C-R	471766
12363	C-R	471413!	12405605	TROS	471267!	124318	UNIVE	470088	12481LUP	JN-MN	416077
12363	C-R	7412S	124056065	TROS	450398	124319	MICH	470088*	12482	C-R	471766
1236324	GMC	2043	124056065	TROS	471267!	12432	C-R	471750	12483	C-R	471766=
12364	C-R	471413!	12405608	TROS	471267!	124325	CLARK	370078A*	12484	C-R	471766*
12364LPD	JN-MN	472020	12406	C-R	471750!	12433	C-R	471750	12484	C-R	471766
12365	C-R	471413	12406004	TROS	340787	124331	CLARK	J1138	12485	C-R	471766*
12365LUP	JN-MN	417598	124063	CLARK	JV1139=	124337ISL	MICH	210945	12485	C-R	471766
12366	C-R	471413!	124065	CLARK	417555!	1243396	GMC	473179	124891620	TROS	8996S=
12366	C-R	7412S	12406LPD	JN-MN	471645	1243397	GMC	473179	12489LUP	JN-MN	471270!
123668	CLARK	JV1128=	12407	C-R	204507!	1243400	GMC	9613S	1249-026	PYUNG	225225
12366LPD	JN-MN	417351!	12407	C-R	471750	1243402	GMC	9613S	12491	C-R	471787
12367LPD	JN-MN	417543	12407LPD	JN-MN	473238!	1243465	GMC	2043	12492	C-R	471787
12368	C-R	471413!	12409LPD	JN-MN	415697!	1243467	GMC	2043	12494	C-R	223255
12369	C-R	471413	12409LPD	JN-MN	455547	12436	C-R	471750	12494LPD	JN-MN	415984!
1237	ALOY	1181	12409LUP	JN-MN	415697!	1243658	CHRYSS	5401	124973	CLARK	417602!
12370	C-R	471413!	12409LUP	JN-MN	455547	1243659	CHRYSS	5403	124974	CLARK	JV1669=
12371	C-R	471413!	1241	ALOY	224015	1243660	CHRYSS	5405	124R	TIMKE	124PKG

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
125012	CUMMI	415458!	125398	CLARK	JV1130=	12582	C-R	7686S*	126276	MICH	480281!
125012	OLIVE	415458!	1254	ALOY	1214	12583	C-R	471801	126287	MICH	473450
125020	CLARK	417385=	1254	LEROI	473215!	12584	C-R	471801	126287	UNIVE	473450
125020	MIHLE	455576!	12540	NAPCO	416125!	12586	C-R	471801!	126299	UNIVE	450193=
12504	C-R	471787	12541	JOHND	417316!	125880	GMC	417262!	1263020	CHRY	5401
12506	GW	413247!	125412	BENDI	471466!	1259	LEROI	450089	1263021	CHRY	5403
12508	C-R	471787	12544	LEROI	471554	12590	C-R	8293S*	1263022	CHRY	5405
1251	ALOY	1213N	12544075	GMC	4813V	12590	LEROI	471442!	12631	C-R	471407*
12510	C-R	50445	12545	C-R	471795	125904	CLARK	417433=	126318	UNIVE	450090
125101	NAPCO	472439	12545	GW	417316!	125954	CEMAC	471554!	126319	MICH	450090
125117	NAPCO	470898	12546240	GMC	417505	12596	C-R	471801	12636	GW	470712!
12513	LEROI	471554!	12547	C-R	450177*	12597	C-R	471801	1263697	CHRY	6270
12513-1	LEROI	471554!	12547	NAPCO	471341!	125A24	C-R	470954	12637	C-R	471833*
125133	LEROI	240319	12548	C-R	450177*	125A848AE1	GE	350364	12638	C-R	481833V
12514	GW	472016	12549	C-R	471795	125A848AE11	GE	472951	12638LPD	JN-MN	55524
125142	LEROI	6759S	12549329	GMC	416288	125A848AE11	GE	474252	1264320	KEN	473243
12516	C-R	471472	12550	C-R	471795	125A848AE16	GE	450398	12650	HEIL	471466!
125162	UNIVE	50266	12550574	GMC	100085	125A848AE16	GE	471267!	1265068	CHRY	472636!
12516M1	C-R	471472	12551	C-R	471795!	125A848AE2	GE	330385!	126537	C-W	417596
12516M1	HU-WR	471472!	12551	NAPCO	470898!	125A848AE3	GE	471103!	12654LPD	JN-MN	417210!
12517	LEROI	450033	12552	C-R	471795	125A848AE4	GE	320457	12655	C-R	451845
12518	C-R	471535!	12552	LEROI	450803	125A848AE5	GE	471472!	1266	ALOY	3395
12519	C-R	473405	12552	NAPCO	415483!	125A848AE6	GE	472705!	1266-D6	REO	370023A
125192VB	TRSCM	204507!	12552219	GMC	5279	125A848AE7	GE	471255!	12660	C-R	450341
125195	CLARK	370039A	12552427	GMC	100058	125A848AE9	GE	470954!	126643	OLIVE	471141!
1252	CLIMX	450655=	12552428	GMC	100058	125A848AF1	GE	472843	12666	CHAMP	416345!
1252	LEROI	450655=	12552A	C-R	471689!	125A848AF2	GE	471763	12668	C-R	710410
12522	C-R	471538!	12553	C-R	471795	125A848AF3	GE	470590	1266810	CHRY	6635S
12522	LEROI	411253!	12555767	GMC	600305	125A848AK5	GE	471472!	126691	AM WH	471649!
12523	C-R	470506	12555769	GMC	5512	125A848BC1	GE	473237!	12670	C-R	470806
125236	LEROI	6489	12556107	GMC	710262*	125A848BC2	GE	471564	1267215	CHRY	6638S
125238	LEROI	204035	12556355	GMC	710262*	125A848BF1	GE	473454	12673	C-R	470806*
125238	WABCO	204035	12557688	GMC	100085	125A848BF2	GE	471766!	12673	CHAMP	415027
12523M1	C-R	470506	12558-1	LEROI	415001!	125A848BJ2	GE	6668S	12673	CHAMP	415027!
125248	CLARK	8126S	125584	HYST	415725!	125A848BJ4	GE	471267!	12673	DOMIN	415027
12526	BU-SP	471267!	12559	C-R	1070=	125A848BR1	GE	471255!	12675LPD	JN-MN	50560
12526	C-R	471539!	12559-1	LEROI	415960!	125AM24	C-R	470954	126769	HYST	40627S=
12526	LEROI	240319	1255938	GMC	712146	125AMM24	C-R	470954	12677	C-R	453279
125262	MICH	50266	1256	LEROI	470059	125AMM24Q6Y2	C-R	470954	1267752	CHRY	5406
125262H1	HOUGH	470898	1256	LEROI	470380!	125E22	EATON	JV1277=	1267753	CHRY	5406
125268	UNIVE	450269	125625	CLIMX	417254	125G24	C-R	470954!	12677LDS	JN-MN	415937!
125269	MICH	450269	125625	WAUKE	417254	125HD24	C-R	470954!	12678	C-R	453279!
12526C	MASSE	5M643	12564LDS	JN-MN	471567!	125HD24-Q6	C-R	470954!	12678LPD	JN-MN	452742
12526M1	C-R	471539!	12565	C-R	471795	125HM24	C-R	470954!	126797	AM WH	417497
12527	C-R	471787!	12565LDS	JN-MN	415991	125R	TIMKE	125PKG	1268-D6	REO	370019A
12527	LEROI	470590	12565LDS	JN-MN	415991!	125W225	CONE	5166	126839	OLIVE	470774!
12527	NAPCO	480630!	125663	HYST	473367	125X150X12SC	TRSCM	125X150X12!	12685	C-R	8429S
125275	MICH	450285	125689	HYST	417350!	125X150X12TC	TRSCM	125X150X12!	12687	AM BR	471760
125275	UNIVE	450285	12569	C-R	471795	125X155X12ASN	ISP	125X155X12	12688	C-R	8429S
125276	MICH	471866!	125694R91	IH	470954	125X155X12ASN(32)	ISP	125X155X12	1269681	CHRY	472636!
12528	C-R	471787!	12570	C-R	471795	125X160X12SC	TRSCM	125X160X12	12697	C-R	32X42X8!*
12528	LEROI	481073	125710	HYST	471554!	125X160X12TC	TRSCM	125X160X12	12697	C-R	710282*
12528LPD	JN-MN	472572!	125716	CUMMI	471141!	1260	ALOY	482126	12698	C-R	223215
12529	C-R	471787	125716	OLIVE	471141!	12600	C-R	471801=	126R	TIMKE	126PKG
12529	LEROI	240462	125722	CUMMI	472144!	12606	BU-SP	416125!	12700	C-R	223215*
12529	NAPCO	411330!	125722	OLIVE	472144!	126107C1	IH	470712!	12700	C-R	32X42X7
12530	C-R	471787*	12574	BU-SP	415035!	1261171	CHRY	470774!	12700	C-R	32X42X8!*
12530	LEROI	471255!	12574	C-R	471795	12613	C-R	471808!	127006	ALLCH	416339
12530	NAPCO	472394	125742	CLARK	415035	12614	C-R	471808!	127006	ALLCH	455031!
12530L	IH	450129	12575	BU-SP	476470	12615	C-R	471808!	1270137	CHRY	417267
12530L	IH	472826!	125769	CLARK	370109A*	126150	BENDI	351487	12705	C-R	223220
12531	NAPCO	410496!	12577	BU-SP	415116	126158	OLIVE	471689!	12706	C-R	223220
125318	UNIVE	450089	12577	C-R	471801!	12616	C-R	471808!	127063	HOUGH	412119!
125319	MICH	450089	12578	BU-SP	417562	12621	C-R	471818*	127063H1	IH	412119
12532	C-R	471795	125784	ALLCH	415041	126214C91	IH	481163!	1270786	CHRY	370036A>
12532	NAPCO	471391!	12579	C-R	471801!	12622	C-R	471818	1270786	CHRY	370349A %
12533	LEECE	471255!	1257G	OSHKO	415988	126262	MICH	472070	12709	C-R	223230
12534	C-R	450177	1258	LEROI	473367!	126262	UNIVE	472070	12709	C-R	32X45X7!
12535	C-R	450177	1258	LEROI	473367	126268	UNIVE	471866!	12710	C-R	223230*
12535	LEECE	450593!	12581	FULLE	484064V	126269	MICH	471866!	12710	C-R	32X45X7!
12536	C-R	450177	12581	KINNR	471571	126275	MICH	473449	12711	C-R	223230
12539	NAPCO	353141!	12582	C-R	42081S!	126275	UNIVE	473449	12711	C-R	32X45X7!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
127144	HOUGH	410524	12782	C-R	32X62X8	12859	FULLE	472560N	1296879	GMC	40370S
127144H1	HOUGH	410524	127832	CLARK	3369*=	12861	LPD JN-MN	415284	1296913	GMC	40286
127145R91	IH	240733	127891	CLARK	416556!	12865	C-R	473211!	1296A3	WHITE	472157
12718	C-R	223235	127891	CLARK	472157	12866	C-R	473211!	129717	GMC	416158
12718LPD	JN-MN	415832	1279	ALOY	5697	12866	JOHND	471612	12980	LISLE	RD2001
12719	C-R	223235*	12790	C-R	32X72X8	1287	ALOY	1884	12981	TMTR	471504!
12719	C-R	32X46X6!*	127920	LEYLD	471192	1287002	GMC	5M81	129828R91	IH	473460
1272	ALOY	442874	127968R91	IH	5778	12876LUP	JN-MN	471255!	12984	OLIVE	473215!
12725LPD	JN-MN	480491*	127979R91	IH	40185	12877	C-R	473212!	129851	GOODM	417485
127262	MICH	473451!	127989	CLARK	416271*=	12878	C-R	473212!	129851	JEFF	417485
127275	MICH	473452	127R	TIMKE	127PKG	1288	ALOY	225230	129852	GOODM	416738
127275	UNIVE	473452	1280	ALOY	5604	128819	C-W	330385!	129852	GOODM	450096
127287	MICH	473453	12800	AMBR	473464!	12883	C-R	710328*	129882	GOODM	473229
127287	UNIVE	473453*	12800	AMBR	473464	12883	FULLE	471224	129882	JEFF	473229
1273	ALOY	1217	128047R91	IH	415458!	128847	EATON	370001A	129899	GOODM	415001!
12730	C-R	32X47X7!*	1281	ALOY	3622	128847	EATON	380001A	129899	JEFF	415449!
12730	C-R	3476*	1281	C-R	HU070A	12886	C-R	223340	129915	ALLCH	417316!
12730	C-R	710310*	12810	C-R	710070	128861	EATON	370003A	12993	JNSON	J1103
1273095	CHRY	6597S	12810004	TROS	472311!	128861	EATON	380003A	129935	GOODM	415960
12731	C-R	3476	128117	CLARK	370051A	1289	ALOY	4160	129935	JEFF	415995!
12732	AIRCO	340823	128119	HYST	473237!	128918	DURA	471766!	129936	HYST	471835!
12733	C-R	3476	12812	C-R	223235	128918	FORD	471766!	129941	ALFAR	713016
12733	C-R	710310	12815013A	HARWA	128X150X15	128943	CLARK	3594*=	129945	GOODM	471354!
12734	C-R	32X48X8!	12819	C-R	51032S	12894SS	JN-MN	473224!	129R	TIMKE	129PKG
12735	C-R	223240*	1282	C-R	H075	128953H	IH	450084!	12A10039	NAPCO	6638S
12735	C-R	32X48X8!	12820	C-R	470050*	128R	TIMKE	128PKG	12A2500	MINNM	472492!
12737	C-R	32X52X7V	128203TB	TRSCM	353137	128X150X15	SIMRT	128X150X15	12A500	MINNM	472492!
12738	C-R	32X50X8!*	128203TB	TRSCM	473424!	128X150X15SC	TRSCM	128X150X15	12A7000	FED	470088
127381R1	IH	40185	12821	C-R	470050	128X150X15TC	TRSCM	128X150X15	12A7050	FED	472924!
12739	C-R	710164*	12822	C-R	470050	1290	ALOY	225110	12A7106	FED	5M466
12740	C-R	32X50X8!	12823	C-R	470050	12900	C-R	1168	12A7123	FED	450467
12740	C-R	710164	128233R91	IH	451948	12900	C-R	33X50X12!	12A7823	FED	5MR71
12741	C-R	710164	128234R91	IH	451948	12901	C-R	1168*	12A8121	FED	471316
12742	C-R	223255	128262	MICH	472439	12901	C-R	33X50X12!*	12H5079	ROVER	712134
12742	C-R	32X52X7!	128262I	MICH	40071S	12901	JNSON	472179	12QD282	MACK	JV1850=
12743	C-R	32X52X7V	128262SL	MICH	472439	12905	C-R	471193	12X14333A	JOHND	416404!
12744	C-R	223255	128269	MICH	471868	129054	US-EL	471141!	12X14346B	JOHND	471866=
12744	SPICE	470950!	128275	MICH	472572!	12907	C-R	3348	12X14360A	JOHND	473227!
12744	SPICE	6241S	128275	UNIVE	472572!	12909E	OSHKO	475348N	12X15982A	JOHND	472258!
12745	C-R	223255*	128276	MICH	473179!	12909F	OSHKO	475348N	12X19X5SC	TRSCM	12X19X5
12745	C-R	32X52X7!*	128278	MICH	414045!	1290K1	WHITE	450400	12X19X5TC	TRSCM	12X19X5
12746	C-R	223252*	128278	UNIVE	414045!*	1291	ALOY	225020	12X20X5	FORSH	12X20X5
12747	C-R	223253	12828	LEROI	481073	12910	C-R	471193	12X20X5	SIMRT	12X20X5
12748	C-R	710306	128287	MICH	473238	12912	C-R	710132	12X20X5SC	TRSCM	12X20X5
12749	C-R	223240	128287	UNIVE	473238!	1292	ALOY	226285	12X20X5TC	TRSCM	12X20X5
12751	C-R	2008	128299	UNIVE	450084!	129220	US-EL	340356	12X22X7SC	TRSCM	12X22X7!
127513C1	IH	471787!	12830	C-R	473424!	12925	C-R	710043	12X22X7TC	TRSCM	12X22X7!
12752	C-R	32X50X8!	128300	MICH	450084!	12929LUP	JN-MN	417601	12X24X7	FORSH	12X24X7
127540	C-R	325940=	128300	UNIVE	473239	129303H	IH	472636!	12X24X7	SIMRT	12X24X7
12755	C-R	32X55X10	128301	MICH	473239	12934SS	JN-MN	481534	12X24X7SC	TRSCM	12X24X7
12755	C-R	451845	128306	MICH	473457!	129370	HOUGH	412119	12X24X7TC	TRSCM	12X24X7
127594H1	HOUGH	240151	128306	UNIVE	473457!*	129386	JEFF	416339	12X25X5ASN(32)	ISP	12X25X4.5
1276	ALOY	415960	12830LPD	JN-MN	473211!	129386	JEFF	455031!	12X25X7SC	TRSCM	12X25X7
12760	C-R	32X56X10!*	128312	UNIVE	473240!	129387	JEFF	476838!	12X25X7TC	TRSCM	12X25X7
12763	C-R	223275	128318	UNIVE	473458!	1294	ALOY	223605	12X26X7SC	TRSCM	12X26X7
12763	C-R	32X56X10!	128319	MICH	473458!*	12940A	HERCU	415991	12X26X7TC	TRSCM	12X26X7
12764	C-R	223275	12831STLPD	JN-MN	415219	129418R91	IH	5778	12X28X7SC	TRSCM	12X28X7
12764	C-R	32X56X10!	12832	FULLE	473473	129419R91	IH	5778	12X28X7TC	TRSCM	12X28X7
12765	C-R	32X58X8!	12833	C-R	473424!	129473	JEFF	411253!	12X30X7SC	TRSCM	12X30X7
12766A	C-R	415137!	12834	C-R	473424!*	129474	JEFF	415001!	12X30X7TC	TRSCM	12X30X7
12766A	C-R	418028	1284	ALOY	444116	129498	HYST	200870	12X32X7	FORSH	12X32X7
1277	ALOY	1973	128400	CLARK	415458	129499	HYST	JV980=	12X32X7	SIMRT	12X32X7
12770	C-R	32X60X10!*	128401	CLARK	416921	1294991	GMC	8660S	12X32X7SC	TRSCM	12X32X7
12770	C-R	32X60X8!	12842LDS	JN-MN	471272!	129503R91	IH	471267!	12X32X7TC	TRSCM	12X32X7
1277110	BENDI	471689!	128434	GMC	471270!	12951	DIA	5M867	12X35X7SC	TRSCM	12X35X7
127719	EATON	416654	1285	ALOY	2002	12951	EATON	5M867	12X35X7TC	TRSCM	12X35X7
127720	EATON	415458	1285-043	PYUNG	223606	1295A3	WHITE	412119!	1300	ALOY	1165
127721	EATON	9773	12852	C-R	450124=	1296	F-R-H	472287!	1300-044-001	WARNR	330385!
1277238C1	IH	370082A=	12853	C-R	450124=	129611	C-R	415482	1300-044-009	WARNR	714503
12772LUP	JN-MN	415294!	128576	CLARK	415960	129636	GOODM	473225!	1300-044-011	WARNR	710402
12773LPD	JN-MN	417539!	12857G	CLARK	415960!	129636	SUL	473225!	1300-044-012	WARNR	7692S
12780	C-R	32X62X8	12859	C-R	473421	1296810	GMC	40369S	1300-044-014	WARNR	4503N

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1300-044-015	WARNR	7412S	130300	MICH	473460	130583	SPG	6X16X7	13121	CHRY	3173
1300-044-019	FORD	710426	130300	UNIVE	472394	13059	VIC	H075	131210	EMSCO	417548
1300-044-019	WARNR	710426	130301	MICH	472394	13059LUP	JN-MN	471466!	131211	EMSCO	417082
1300-044-020	FORD	710431	1303012	CLARK	471442!	1306	C-R	370046A	131213TB	TRSCM	473211!
13000	VIC	HU019A	130303	ATHEY	415995!	1306	C-R	5100	131223SB	TRSCM	473212!
1300016002	WARNR	4503N	130306	ATHEY	417488!	13060	C-R	472826!*	131274R91	IH	415991
130003	SPG	712105	130306	MICH	473461!	13061	VIC	HU037A	131274R91	IH	455146!
130005H1	IH	417351!	130306	UNIVE	473461!*	130612H	IH	471570!	131280	EMSCO	417354!
13001	CHRY	472179	130312	UNIVE	471391!	13062	VIC	HU039A	131281	EMSCO	417354!
1300113212	TROS	415077	130313	MICH	471391!	13062LPD	JN-MN	473413	1312866	CLARK	40520S
130013	SPG	313842	1303139C91	IH	470898	13063T	JOHND	471466	131287	UNIVE	450474*
130018R91	IH	415449!	130315	ATHEY	471485	13064	VIC	HU065A	131299	UNIVE	50528
13002	VIC	HU007A	130318	UNIVE	473462	130643	LEVLD	1035=	1312RC	SUL	418028
130028	SPG	221207	130319	MICH	473462	130645R91	IH	471267!	1312RC	SUL	455137!
13003	VIC	HU008A	1303281	EATON	J1114=	13066LPD	JN-MN	224570	131308H	IH	471103!
130031	SPG	221735	13033	C-R	473422	13066LPD	JN-MN	45X72X12!	13135LPD	JN-MN	481537
130047	SPG	223510	13033	VIC	HU070A	13067	VIC	HU149A	13140	C-R	473212!
130048	JEFF	410694!	130331	ATHEY	455024	130671H	HOUGH	471341!	13143	DIA	6090S
13005	C-R	710124	130334	ATHEY	471791	1306742	GMC	470530!	13143	EATON	6090S
13005	VIC	HU011A	130334	ATHEY	456585	1306743	GMC	450307	131484R91	IH	417484!
13006	VIC	HU012A	130337	ATHEY	415025	13068	VIC	HU149A	131526	SPERY	415960
130061	ALLCH	417171!	130342	ATHEY	415991	13068LPD	JN-MN	471567!	1315476	CHRY	5406
13007	VIC	HU013A	130342	ATHEY	455146!	1307	C-R	5649	13157	C-R	40769S
130078	SPG	6815	130354	MICH	417474*	13070	C-R	472826	131575	HOUGH	471224!
13008	VIC	HU014A	13037	C-R	473210	13070	CHRY	473457!	131575H1	HOUGH	471224!
130093	SPG	4175	130370	GOODM	455008	13071	C-R	472826!	13158	C-R	40769S
130096	SPG	2027	1303701	ATHEY	471341!	13071	VIC	HU036A	13159	C-R	40769S
130102	GOODM	471787!	130375	ATHEY	417366!	13073	ATHEY	471224!	13160LPD	JN-MN	90X120X12
130108	ATHEY	471765!	130376	US-EL	416107!	130731	US-EL	470625!	13163LPD	JN-MN	471526!
130117	ATHEY	471750!	130376	US-EL	455073	13074	ATHEY	471649!	13164	C-R	5131
130122	ATHEY	471801!	130377	US-EL	415379	130748	US-EL	473016!	13165	C-R	5131
130137	ATHEY	450054	130377	US-EL	415379!	13075LUP	JN-MN	418028	13166E	JOHND	204002
130141	ATHEY	473215!	130380	ATHEY	415187	13076	C-R	473421	1316788	CHRY	470954!
13015	C-R	240716	130388	ATHEY	417223	13077	C-R	473421	13168	C-R	5131
1301588	ATHEY	473440!	13039	C-R	472826	1308	C-R	370023A	1316815	CHRY	411
130169	SPG	350435	13039	VIC	HU110A	1308	C-R	5667	13169	C-R	40769S
13017	TLSMI	417158=	13040	C-R	472826	1308107	CATER	39889	131704	HOUGH	471760
13017	VIC	HU024A	13043	VIC	HU005A	13083	C-R	473421*	131704H1	HOUGH	471760
13018	TLSMI	416888	130437	ATHEY	417538	13084	C-R	473421*	13170X	MASSE	471735
130189	HOUGH	418028	13044	FULLE	418028	1308521	ALLCH	417562	13171VB	TRSCM	340853
13019	TLSMI	416624	13044	FULLE	455137!	13091	C-R	473211!	13172LDS	JN-MN	416888!
13019	VIC	HU028A	130447	ATHEY	416865!	13092	C-R	473211!	13173LDS	JN-MN	416156
130199	ATHEY	472185!	130448	ATHEY	417546!	13093	C-R	473211!	13175	C-R	40769S
13020	C-R	6370N	13044LPD	JN-MN	25X47X7	13097	NAPCO	417513	13177B	MASSE	450129
13020	VIC	HU028A	13045	VIC	HU019A	13098	NAPCO	417554!	13177B	MASSE	472826!
1302012	CLARK	471442!	130454	ATHEY	416476!	130981	ATHEY	471692!	13178B	MASSE	473225!
130204	ATHEY	471141!	130455	ATHEY	415072	13099	ATHEY	472185!	13179	C-R	40769S
130205	ATHEY	473313	130457	SPG	320457	130R	TIMKE	130PKG	13182SB	TRSCM	323138!
130206	ATHEY	470088	13046	VIC	HU036A	130X160X12SC	TRSCM	130X160X12	13183P	ITM	1012
13021	C-R	6370N	13048	VIC	HU031A	130X160X12TC	TRSCM	130X160X12	13183P	ITM	1012N
130228	ATHEY	472439	13049	VIC	HU036A	130X160X15SC	TRSCM	130X160X15	13183P	ITM	45X62X8!
13023	VIC	HU034A	13040S	JN-MN	417600*	130X160X15TC	TRSCM	130X160X15	13183PSL	TRSCM	6370N
130233	ATHEY	473238	1305-D6	REO	370030A	130X170X12	ISP	130X170X12	131872SB	TRSCM	472354
130236	ATHEY	473457!	13050	C-R	472826!	130X170X12(35)	ISP	130X170X12	131872SB	TRSCM	484156V!
13024	VIC	HU042A	13050	VIC	HU066A	130X170X15SC	TRSCM	130X170X15	131872VB	TRSCM	472354!
1302481	ATHEY	471391!	1305044	GMC	5587	130X170X15TC	TRSCM	130X170X15	131872VB	TRSCM	484156V
13025	VIC	HU044A	1305044	GMC	710163	131-405-641A	VW	1165	131872VL	TRSCM	472354
130250	ATHEY	470530!	13051	C-R	472826!	1310194	GMC	340724!	131872VSB	TRSCM	484156V
13026	VIC	HU009A	13051	VIC	HU057A	13103	C-R	473211!	131873TB	TRSCM	472354!
130268	ATHEY	413469!	13052	C-R	472826!	13104	C-R	473211!	131876R91	IH	472394
13027	C-R	473423*	13052	VIC	HU058A	13106C	MASSE	415001!	13189	C-R	473213!
130271	ATHEY	472636!	130528	SPG	370023A	1311035	WOOL	415379!	1318929	GMC	472164
130272	ATHEY	411253!	130528	SPG	5667	1311035	WOOL	415379	1318RC	SUL	415988
130278	ATHEY	416444	130534	HOUGH	472924!	13111	C-R	473212!	13190	C-R	473213!
130279	ATHEY	412119!	130534H1	HOUGH	472924!	131116	C-R	415076*	13192TB	TRSCM	1987
130287	MICH	472144!	13053RD	ITM	222860	13111C	MASSE	415085!	131932R91	IH	472394
130287	UNIVE	472144!*	13053RD	ITM	28X47X7!	13111C	MASSE	456648	13193PSB	TRSCM	482163!
130289	ATHEY	415458!	13055	VIC	HU036A	13112	C-R	473212!	131955PTZ	TRSCM	2443
130294	ATHEY	417316!	13057	VIC	HU110A	131201	EMSCO	473205	13195F	IH	473225!
130295	ATHEY	415960!	130575	SPG	24X37X7	131203SB	TRSCM	472826!	13195G	IH	473225!
130299	UNIVE	473460	130578	SPG	222242	131203TB	TRSCM	472826!	13197	DIVCO	340797
1303	C-R	5666	13058	VIC	HU008A	131206	EMSCO	473473	131983SA	TRSCM	482163

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1319RC SUL	415379	13233SB TRSCM	473215!	133R TIMKE	133PKG	13475 C-R	710422
1319RC SUL	415379!	13233SB TRSCM	473215!	134102 JEFF	471255!	13477E IH	415001!
131R TIMKE	131PKG	13233TB TRSCM	473215!	13414LUP JN-MN	417349!	13478 C-R	710109
132 C-R	BS5974	13234VHY TRSCM	204027	134154 US-EL	471571	13483 C-R	223462
13200 C-R	473213!	13241LDS JN-MN	476470	13418 C-R	5124	13483 C-R	34X62X10!
13203SB TRSCM	472258	13242 C-R	481834	13419 C-R	9161	13484 C-R	710151
13203TA TRSCM	472258	1324262 CHRYS	5414	13420 C-R	473435	13491 GARLK	710005
13203TB TRSCM	472258!	132435-H-20 IH	470625!	13421 C-R	473435*	13491 NEWPR	710005
13203VSB TRSCM	472258	132435H10 IH	416888!	134213TL TRSCM	473435	13492 C-R	8594S*
13203VTB TRSCM	472258	13244SA TRSCM	6241S	13423 C-R	223400	134928R91 IH	471267!
13204004 TROS	471564	13246 C-R	2300	134241R91 IH	40185	13495 C-R	710250
13204405 TROS	471579	132563TB TRSCM	473258!	13425 C-R	223410	134989 NRWST	471424!
13204804 TROS	471567!	132563VTB TRSCM	473258	13425 C-R	223420	134FF28 C-R	471267!
13204806 TROS	471567!	132607A HARWA	13X26X7	13425 C-R	710416	134R TIMKE	134PKG
13204806.25 TROS	471567!	132607XX TIMKE	13X26X7	13426 C-R	223420	13500 C-R	8133S
13205005 TROS	481568!	1326093 CHRYS	5414	13427 C-R	710236	13508 C-R	8549S*
13205205 TROS	474253	132628R91 IH	7600S	13428 C-R	223430	13511 C-R	484156V
13205206.25 TROS	474253	13265SL TRSCM	450776!	13428 C-R	710417	13512 C-R	472354
1320527 CHRYS	12473	132707R91 IH	471466!	134299 GOODM	471649!	135127 ALLCH	415371
13205604 TROS	471570!	13273SB TRSCM	323125	134299 JEFF	471649!	13516M1 C-R	471549!
13205606 TROS	471570!	13275 C-R	450147	13430 C-R	34X52X8	13517LDS JN-MN	473367
13205606.25 TROS	471570!	1328011 BENDI	473227	13431 C-R	34X52X8!	13518 C-R	471551
13206006 TROS	471571	132807XX TIMKE	13X28X7	134311 MIHLE	455943=	13518LDS JN-MN	471621!
13206006.25 TROS	471571	13283TB TRSCM	473197!	134313 MIHLE	415379!	13519 C-R	471558*
13206205 TROS	472324!	132867H IH	473010!	134313 MIHLE	415379	13520 C-R	471255
13206206.25 TROS	451583!	13287LDS JN-MN	473197	1343260 GM	421	13521 C-R	481073
132062SC TRSCM	6760S	13292LPD JN-MN	415187*	13433 C-R	34X52X8	13522 C-R	471553!
13206305 TROS	472324!	1329602 BENDI	471820	13436 C-R	473436	13523 C-R	50026*
13206306 TROS	472324!	132P3 WHITE	45653S	13436LPD JN-MN	455129	13524 C-R	471554!
13206306.25 TROS	472324!	132R TIMKE	132PKG	13437 C-R	473436*	13525 C-R	481443!*
132063SB TRSCM	470774!	1330 CALI	455005	13438 C-R	34X54X9	135255SP TRSCM	8594S
132074 ROSS	472560N!	133006C1 IH	415984!	134380H1 HOUGH	410308!	13526 C-R	471231!
1320B GOODM	473010!	133007XX TIMKE	13X30X7	13438LPD JN-MN	471686	13527 C-R	2443
1320D GOODM	473234	13302 DIVCO	471827	13439 C-R	710110	13528 C-R	471267!
1320RC SUL	416339	1330B GOODM	473010!	134399 GOODM	471649!	13529 C-R	340853
1320RC SUL	455031!	13315LDS JN-MN	416271!	134399 JEFF	471649!	1352916 B-L-H	415449!
1321 C-R	5076	13316LDS JN-MN	472636!	13441 C-R	710110	135292 GOODM	415088!
13210 C-R	473213!	13316X MASSE	417344!	13442AS HERCU	8370S	135292 GOODM	415088
13210004 TROS	471224!	1331RC SUL	456105	13445 C-R	34X55X9!*	135292 JEFF	415088!
13210005 TROS	471224!	1332113212 TROS	415076	13445 C-R	473812	135292 JEFF	415088
13210006 TROS	471224!	133224R91 IH	470954	13448LUP JN-MN	471472!	13530 C-R	6597S
13210006.25 TROS	471224!	13336A HERCU	473236!	134494 JEFF	415025	135308 HOUGH	471224!
13210008 TROS	471224!	13339 DIVCO	470898	1345-044-003 WARNR	472572	13533 C-R	6597S
13210008.5 TROS	471224!	1333OS JN-MN	415045!*	1345-044-044 WARNR	473237!	135330 CROSS	471571
13210405 TROS	480210!	133456 HYST	471737	13450 C-R	34X56X8	13534 C-R	472354!
13210406 TROS	480210!	133494R1 IH	415449	1345044004 WARNR	473237!	13534A HERCU	416332!
13210406.25 TROS	480210!	133494R2 IH	415449	13451 C-R	50168	13535 C-R	472354!*
13210408.5 TROS	480210!	133494R92 IH	415449	13452 C-R	710314	13537 C-R	323138!*
132104X03.5 TROS	9376	1334OS JN-MN	417601	13458LUP JN-MN	450593!	13538 C-R	484156V
13210803 TROS	340815	13350 C-R	484054*	134592 GOODM	50199S!	13539 C-R	323138!
13211602 TROS	240736	133522 HYST	J1120=	134592 GOODM	6863S!	1353918 GMC	473228
132123TB TRSCM	471192	133523 HYST	455019!	134592 JEFF	50199S!	1353919 GMC	473228
132123VTB TRSCM	471192	13353X MASSE	473367	134592 JEFF	6863S!	1353997 GMC	9613S
13213TB TRSCM	472287!	13353X MASSE	473367!	1346034 GMC	470774!	13540 C-R	323138!
13214SA TRSCM	471192	13355X MASSE	473225!	13462 CHRYS	473457!	135402 MINNM	330385
13219X MASSE	471466!	1335716 GMC	472164	13463 C-R	34X60X8	135402 OLIVE	330385
1322 C-R	5089	1335RC SUL	416666	134631 SPICE	471466!	13541 C-R	472354!
13220 C-R	473213!	133607H IH	474281!	134632 SPICE	473231	13541X MASSE	472185!
132206XX TIMKE	13X22X6	133675 JEFF	417481	134633 SPICE	471192	13542 C-R	472354!
13221 C-R	473213!	133800 C-R	340X380X20*	134634 SPICE	471765!	13543 C-R	472354!*
132214 SCHWI	471763	13385 GWI	481568!	13466 C-R	450054	13544 C-R	472354!
132222D GARLK	5124	133853 US-EL	481443!	134661 SCHWI	472015	13544 DIA	.5MR71
1322309 WOOL	417621!	13386F OSHKO	218	13467 C-R	450054	135442 DIA	.5MR71
132233SB TRSCM	484058	133887 CROSS	471354!	134670 SCHWI	472015=	135443 SCHWI	470530
132234SB TRSCM	9161	133888 CROSS	474264	1346883 GMC	470774!	13545 C-R	472354!
13223TB TRSCM	473214!	133889 CROSS	474265	13469LPD JN-MN	481073	13546 C-R	472354!
13228 C-R	353132	133890 CROSS	472144!	1347-001 PYUNG	223420	13547 C-R	472354!
132282VB TRSCM	42763!	133891 CROSS	472636!	1347056 GMC	331301N	13548 C-R	472354!
132282VB TRSCM	50402	133892 CROSS	413478	134717 HYST	471231!	13548 SPERY	411253!
132283SP TRSCM	5131	133893 CROSS	417159	1347413 GMC	471821!	13548A VICK	411253!
1322D GOODM	474274	13399 C-R	6906S	13475 C-R	223462	13550 C-R	472354!
13232VHY TRSCM	43089S	133A HYST	471224!	13475 C-R	34X62X10!*	13551 C-R	472354!

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1355173	CATER	5370	13602	C-R	472287!	13671	C-R	473214!	13714	C-R	473215!
13552	C-R	1987	13603	C-R	472287!	13672	C-R	473214!	13716	C-R	471549!
13553	LPD JN-MN	417344!	13604	BU-SP	415645!	13672	CHRY	3173	1371622	GMC	8994N=
13554	C-R	482163!	13604	BU-SP	455104	13672	GARLK	3173	13716M1	C-R	471549=
13554	LUP JN-MN	473016!	13607	C-R	470774	1367260	OSHKO	415938	137174	HYST	417269!
13557	C-R	714655!	136088	GOODM	471645	136734	HOUGH	455330!	13718	C-R	471551
13559	C-R	472258!	1361	ALOY	224045	136734H1	IH	455330!	13718M1	C-R	471551
13560	C-R	472258*	13610004	TROS	471270!	136735	HOUGH	473238	13719	C-R	471558
13561	C-R	472258	13610006	TROS	471270!	136735H1	IH	473238	13719	FAIRB	471558
13562	C-R	472258!	13610406	TROS	450188	136735H2	HOUGH	473238	13720	C-R	471255
13563	C-R	472258*	13610804	TROS	472560N!	13673LPD	JN-MN	471689!	13720	FAIRB	471255!
13564	C-R	472258*	13610805	TROS	472560N!	13674	IH	455330!	13720M1	C-R	471255
13567	BU-SP	471652	13610806	TROS	472560N!	13676	C-R	473214!	13721	C-R	481073*
13567	C-R	472258!	13618	C-R	471551	13676	C-R	5204	13721	LEROI	481073
13568	C-R	472258!	13618	MALL	480210!	136762R1	IH	473367	13722	C-R	471553!
13569	C-R	472258!	13618M1	C-R	471551	136762R1	IH	473367!	13722B	C-R	471553!
13571	C-R	472258	13619	C-R	471558*	136763R1	IH	50075=	13722M1	C-R	471553!
13571	LPD JN-MN	471424!	13620	C-R	471255	136771	SPERY	322353	13723	C-R	50026
13572	C-R	472258	136203SB	TRSCM	51322	136771	SPERY	474278!	137231C1	IH	204038
135722	ALLCH	415138!	136206	GOODM	415938	13678	C-R	473214	137235SP	TRSCM	8549S
13573	C-R	40522S	136206	JEFF	415150!	13679	C-R	473214	13724	C-R	471554!
1357370	GMC	8594S	13620M1	C-R	471255	13680	C-R	473214!	13724	FAIRB	471554!
13574	SPICE	473442!	13621	C-R	481073*	1368068	GMC	331301N	13724	IH	471554!
13575	C-R	470774!	13622	C-R	471553!	13682	C-R	473214!	13724M1	C-R	471554!
13576	C-R	470774!	13623	C-R	50026*	13684	C-R	473214!	13725	C-R	481443!
13577	C-R	470774!	136233H2	IH	417597	13685	C-R	2655	137253R91	IH	471103!
13578	C-R	470774!	136234SB	TRSCM	9568	13686	C-R	40169S	13726	C-R	471231!
13578	LDS JN-MN	471801!	1362360	GMC	8620N	13687	C-R	473214!	13726M1	C-R	471231!
13579	C-R	472258	1362377	GMC	8594S	136879	CUMMI	416271!	13727	C-R	473215!*
13579	C-R	472258!	13624	C-R	471554!	13688	C-R	4614N	137272R91	IH	470004!
13579	LDS JN-MN	473459	13625	C-R	481443!*	13689	C-R	40169S	13728	C-R	471267!*
135804	SPERY	482126	13626	C-R	471231!	13689H2	IH	472492!	13728	STEEL	450398
135804	VICK	482126	136277	HOUGH	417316!	13690	C-R	473214	13728	STEEL	471267!
13581	C-R	472258	136277H1	HOUGH	417316!	13690A	C-R	472179	13728M1	C-R	471267
13581	LPD JN-MN	471137	13628	C-R	471267!*	13692	C-R	473214	13729X	MASSE	471750!
13582	C-R	470774	13630	C-R	472287!	13693	C-R	473214	13730	C-R	473215!
13583	C-R	470774!	13631	C-R	472287!	136957R91	IH	340771	1373030	GMC	473179
13585	C-R	470774*	13632	C-R	472287!	13696	C-R	473214	13732	SPICE	412119!
13587	C-R	470774!	1363206	GMC	8594S	13696A	HEIL	417267	13732A	HEIL	471255!
13587	LPD JN-MN	471870!	13633	C-R	472287!*	13696A	HERCU	417267	13732A	HERCU	471255!
13588	C-R	470774	13634	C-R	472287!	13698	C-R	473214!	13734	C-R	473215=
1358899	GMC	9613S	13637	KEN	415656	13699	C-R	473214	13736	C-R	473215!
135897	GOODM	417020	136376	SPERY	204029	136A10804	TROS	472560N!	13737	C-R	473215!
135897	JEFF	417020	136376	SPERY	204507!	136GH28	C-R	471267	13738	C-R	473215!
13590	C-R	470774!	136393	US-EL	470625!	136R	TIMKE	136PKG	13738	C-R	9568
13591	C-R	470774!	13641	C-R	472287!	136224	C-R	471554!	137381	GMC	415991
1359176	GMC	473179	13642	C-R	471192	137	IG-RA	455480!	13739	C-R	473215!
13592	C-R	470774	13645	C-R	471192	13700	C-R	9569S	13740	C-R	473215!*
13593	C-R	470774	13647	C-R	471192	1370084020	COLLS	330385!	13743	C-R	473215!*
13594	C-R	470774!	136478	US-EL	416664!	1370085020	COLLS	416271!	1374709	CHRY	9116S
1359496	WHITE	416288!	13647LPD	JN-MN	471729	1370085030	COLLS	471413!	1374709	GMC	9116S
13595	C-R	470774!	13648	C-R	471192	1370085040	COLLS	471272!	13748X	MASSE	410102
135955	NEHO	472164!	13649	C-R	471192	1370085050	COLLS	450457	13750	C-R	3543
13595	LDS JN-MN	417546!	13650	C-R	471192	1370085060	COLLS	473224!	13752	C-R	473215!*
13595X	MASSE	471224!	13652	C-R	471192	1370085070	COLLS	472015!	13753	C-R	43089S
13596	C-R	6760S	136535	WEBER	415303!	1370090010	COLLS	471760	137547	NEHO	473231!
13598	C-R	51322*	13654	C-R	471192	13702	C-R	50402	13755	C-R	43089S
13599	C-R	472287!	136540	WEBER	450446	13704204	TROS	481397	1375660	C-R	41081S=
135999	HOUGH	415371	13655	C-R	471192	13704206	TROS	481397	13757	C-R	710249
135999H1	HOUGH	415371	13657	C-R	471192	13704804	TROS	471498	13758	C-R	43089S
135999H1	IH	415371	13658	C-R	471192	13705	C-R	42763	13759	C-R	223520!
135FF28	C-R	471267!	1366	MURPH	473228	13705604	TROS	471633!	137592	US-EL	471647
135R	TIMKE	135PKG	13660	C-R	471192	137060H	IH	471141!	1376	CHEL	471763
135X160X12	SIMRT	135X160X12	13662	C-R	471192	13706307	TROS	450908=	1376030	OSHKO	415991!
135X160X13	TRSCM	135X160X13	13664	C-R	471192	137068	US-EL	470898	1376030	OSHKO	415991
135X160X13	TRSCM	135X160X13	13665	C-R	471192	13708	C-R	42763	137624	FMC	471554
135X170X12	TRSCM	135X170X12	13666	C-R	471192	13710	C-R	42763*	13764	C-R	473215!
135X170X12	TRSCM	135X170X12	13668	C-R	3543	13710	DIA	471689!	13765	C-R	9568*
13600	C-R	472287!	136699	HOUGH	417967!	13710204	TROS	471076	13766	C-R	473215!
136002	HOUGH	472409!	13670	C-R	471192	13711	C-R	204027	13767	C-R	473215!
136002H1	HOUGH	472409!	136702	HOUGH	417546!	13713	C-R	473215!	1376776	GMC	9116S
136002H1	IH	472409!	136702H1	IH	472439	137136	HOUGH	410737!	1376778	GMC	9116S

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
13768LUP JN-MN	417481	1384746 GMC	473179	13904 C-R	450463	139561 GOODM	55030
13769 C-R	473215!*	13849 C-R	1147	13905 C-R	450463	139561 JEFF	55030
13770LUP JN-MN	415150!	13850 C-R	710111	13905 GARLK	472572	13957 C-R	710331
13772LPD JN-MN	415058	13851171 JOY	473210	13905 NEWPR	472572	13959 C-R	710096
13773LDS JN-MN	453182	13851172 JOY	416294!	13906 C-R	450463	13959 MASSE	471224!
13774 C-R	470950!	13851173 JOY	415937!	13907 C-R	223520*	13959A HERCU	471264
13774 C-R	6241S	13851174 JOY	415035	13908 HOUGH	416107!	13960 C-R	35X55X8!
13775 C-R	470950!	13851175 JOY	415138!	13908 HOUGH	455073	13961 C-R	223543
13775 C-R	6241S	13851176 JOY	455576!	13909 C-R	35X48X8!*	13961 C-R	35X56X10!
13778SS JN-MN	471442!	13851177 JOY	417362!	13911 C-R	710076	13961 C-R	35X56X8
13781 C-R	473367	13852LDS JN-MN	472179	13914LUP JN-MN	471466!	13962 C-R	2007N
137816H IH	50327	13853 C-R	4613N	13916 C-R	473197	13963 C-R	223540
13786 C-R	470950!	13857 C-R	1987	13917 C-R	473197	13964 C-R	35X58X10
13786 C-R	6241S	13857 C-R	710178*	13918 C-R	473197!	13965 C-R	223550
13787 C-R	6241S*	138572 SCHWI	473016=	13919 C-R	473197	13965 C-R	35X58X10!
13789LUP JN-MN	415128	13858 C-R	710138	13920 C-R	473197!	13966 C-R	4901
13790 C-R	6241S	13858LDS JN-MN	415483	139224TB TRSCM	8660S	13967 C-R	223551
137902H1 HOUGH	417134	13860 C-R	35X50X8!*	13922LDS JN-MN	473450!	13967 C-R	35X60X10!
13792 C-R	223550	13860 C-R	710324*	13924A HERCU	471341!	13967 C-R	710424
1379246 GMC	5591\$	13861 C-R	223540	13925 C-R	473197	13969 C-R	223553
13793 C-R	6241S	13861 C-R	35X55X8!	13926 C-R	473197	13969 C-R	4901
13794 C-R	223801	13862 C-R	7245	13927 C-R	35X45X7	13969 HYST	474265
137945H1 HOUGH	471413	1386231 GMC	9613S	13928 C-R	1140*	13969A C-R	471267!
13796 C-R	6241S	13863 C-R	35X80X8	13928 C-R	35X68X10!	13970 C-R	35X62X7!
13797 C-R	6241S	13865 C-R	471835!*	13929 C-R	471105	13970A C-R	472560N!
13799 C-R	470950!	13866 C-R	471835!	13930 C-R	3655	13971 C-R	1173
13799 C-R	6241S	13867 C-R	471835V*	13931 C-R	1215	13972 C-R	223555
137A28 C-R	471267	13868 C-R	35X65X10!	13931 C-R	1215N	13972 C-R	35X64X8!
137G28 C-R	471267!	13869 C-R	473214	13932A C-R	472185!	13973 C-R	35X65X10!
137HD28 C-R	471267!	1387134 GMC	5591	13933 C-R	223520	13973 C-R	35X65X8
137HD28-Q6 C-R	471267!	13872 KEN	415001!	13933 C-R	35X50X7!	13973 C-R	710335*
137R TIMKE	137PKG	13873 C-R	473258!	13934 C-R	450492	13974 C-R	223580
137Z20 C-R	471255	13875 C-R	473258!	13935 C-R	450516	13975 C-R	35X69X8!
138 C-R	5596=	13876 BU-SP	417247!	13936 C-R	450516	13975A C-R	6312
13800 CASE	6590S	13876 C-R	473258!	13937 C-R	470989	13976 C-R	223580
13802 C-R	470950!	13877 C-R	8168=	139371 US-EL	473235!	13977 C-R	35X70X8
13802 C-R	6241S	13878 C-R	473258	13938 C-R	223510	13978 C-R	1173*
13804 C-R	470950!	1387893 GMC	9913	13938 C-R	35X47X7!	13979 C-R	35X72X10*
13804 C-R	6241S	13879 C-R	472843	13939 C-R	1172	13979 C-R	35X72X8!
13804LPD JN-MN	453182	1387919 GMC	9911S	13940 C-R	450516	13979 SCHWI	470625!
138053 ALLCH	415007	1387920 GMC	9911S	13941 C-R	35X48X8!	13979SSW JN-MN	200322
13807 C-R	715101	1387OS JN-MN	412027*	13941 C-R	710051	13980 C-R	35X72X10*
138088 JEFF	471645	13880 C-R	472843	13942 C-R	1108	13980 C-R	35X72X8!
13809LUP JN-MN	55078S	138802C1 IH	J1125	13942 NEWPR	9449	13981 C-R	1147
1380A3 WHITE	472157	138803C1 IH	415389	139422 HYST	200856	139822 HYST	340827
1381 SKIL	472951	13881 C-R	472843	139425 HYST	JV1181	13984 C-R	35X78X8
1381 SKIL	474252	13883 C-R	40504S=	13943 C-R	3771	13985 C-R	3214
13810 C-R	471276*	13884 C-R	320249	13944 C-R	223520	139852 HYST	340847
13811 C-R	471276	13884 C-R	714436	13944 C-R	35X50X8!	13986 C-R	35X80X8
13812 C-R	471276*	13885 C-R	223520	13945 C-R	223510	139864H1 IH	417316=
138120 HYST	472258!	13885 C-R	35X50X8!	13946 C-R	713771	139866 GOODM	471766!
13815 C-R	471276	13885 C-R	710324*	13947 C-R	3655	139866 JEFF	471766!
13816LPD JN-MN	455297	13887 C-R	223520!	13948 C-R	223535	13987 C-R	223520!*
13819 C-R	450776!	13888 C-R	4529N	13948 C-R	35X52X7!	13987 C-R	713771*
13820 C-R	471255	13889 C-R	450776!	13949 C-R	223535	13988 C-R	470672
13824X MASSE	470059	13892 C-R	450776!	139499 HYST	476470	139885 JEFF	417349
13824X MASSE	470380!	13893 C-R	223542	13950 C-R	223555	139885 SUL	417349
13826 C-R	473215!	13893 C-R	35X55X11!	13950 C-R	35X64X8!	139886 JEFF	471766!
13829 JOHND	473473	13894 C-R	223550	13951 C-R	223535	139888 JEFF	415867
13830 C-R	6241S*	13895 C-R	35X65X10!	13951 C-R	35X52X8!	13989 C-R	1170
13831E JOHND	415035!	13895 C-R	710335	13952 C-R	1119	13989 C-R	35X52X8!*
13831E JOHND	415035	13896 C-R	35X72X10	13952 C-R	35X54X8!	13990 C-R	8660S
138374H1 HOUGH	417535	13896 HYST	474265	13952 C-R	710331	13991 C-R	8660S
13839 C-R	7687S	13896 KEN	415437	13953 C-R	4040N	13992 C-R	8660S
138396H2 IH	2505	13897 C-R	710217	13954 C-R	223542*	139924 US-EL	415074
13841 C-R	471835!	13899 C-R	450456!	13954 C-R	35X55X11!*	139927 US-EL	415074
13843 C-R	6952S=	13899 HOUGH	417316!	13954 C-R	35X55X8!	13993 C-R	35X55X8!
13844 C-R	7245	13899 PUL	412119!	13954 C-R	473823	13993 C-R	473823
13845 C-R	710178	138HMS28-Y12 C-R	471267!	13954LPD JN-MN	417486	13994 C-R	223543!
13845662 JOY	415138!	138R TIMKE	138PKG	13955 C-R	9344S	13994LPD JN-MN	25X52X7!
13846 C-R	471835!	13900 C-R	450456!*	13956 C-R	8676S	13995 C-R	8660S
13847 C-R	471835!	1390321 CHRY	410987!	139560 JEFF	416865!	13996 C-R	223552

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial
13997	C-R	35X62X7!*	14010804.5	TROS	471652	14046972	GMC	5698	14095611	GMC	341022
13998	C-R	223552	14010805	TROS	471652	140471	HYST	415725=	14096051	GMC	4359V
13998F	OSHKO	415035!	14011	C-R	223605	14047298	GMC	3747	14096052	GMC	4359V
13999	C-R	35X72X10!	14012694	GMC	3896	14050	C-R	36X62X7!	14096077	GMC	3517V=
139HMS28-Y12	C-R	471267!	14012754	GMC	3747	14050	C-R	481826*	1409902	CHRY	6966S
139R	TIMKE	139PKG	14012967	GMC	710044	14050	C-R	4989	140A10804	TROS	471652
13D17	TLSMI	417158=	14013	C-R	223608!*	14052	C-R	36X62X7!	140B04804	TROS	471643!
13D18	TLSMI	415200N=	14013	C-R	36X52X7	14052	C-R	4989*	140B10804	TROS	471652
13D19	TLSMI	416624	1401335	CHRY	5414	14052	C-R	710209	140R	TIMKE	140PKG
13D20	TLSMI	455576=	1401336	CHRY	5414	14053338	GMC	9613S	140X160X13AN	ISP	140X160X12
13D21	TLSMI	416364=	14015	DGASK	3655	14054	C-R	710152	140X160X13SC	TRSCM	140X160X13!
13X26X7	FORSH	13X26X7	14015	HYST	340356	14055	C-R	710057	140X160X13TC	TRSCM	140X160X13!
13X26X7	SIMRT	13X26X7	14016	C-R	223608*	14057	C-R	710057*	140X170X12ASN	ISP	140X170X12
13X26X7SC	TRSCM	13X26X7	14016	C-R	36X52X7!	140574	JEFF	412473!	140X170X12ASN(32)	ISP	140X170X12
13X26X7TC	TRSCM	13X26X7	1401691	BUC-E	472354!	14058LUP	JN-MN	471224!	140X170X15SC	TRSCM	140X170X15!
13X30X7SC	TRSCM	13X30X7	14017	C-R	223608	14059	DGASK	3774	140X170X15TC	TRSCM	140X170X15!
13X30X7TC	TRSCM	13X30X7	14018	C-R	223553	14059	DGASK	TCS45472	140X180X12AN	ISP	140X180X12
14	BL-KN	471787!	14018	C-R	4901*	14061	DGASK	3774	140X180X12AN(35)	ISP	140X180X12
14000	C-R	35X72X10!*	14018012A	HARWA	140X180X18	14061	DGASK	TCS45473	140X180X18	SIMRT	140X180X18
140000	SPG	712115	14018399	GMC	3348	14062X	MASSE	470954!	140X180X18SC	TRSCM	140X180X18
140001	SPG	712114	14018STLPD	JN-MN	415227!	14065	C-R	223620	140X180X18TC	TRSCM	140X180X18
140003	SPG	712118	14019LUP	JN-MN	472299	14066982	GMC	5697	141	C-R	5453
140004	SPG	712119	14020	C-R	710197!	14066E	MASSE	474278!	141	FMC	415995!
140006	SPG	712116	14021	C-R	2003N	140688	CUMMI	470530!	14100	MICH	50199S!
140007	SCHWI	471689!	14021	C-R	223540	14069068	GMC	5433	14100	MICH	6863S!
140009	SPG	471466	14021077	GMC	5697	14069889	GMC	5210	14100	UNIVE	50199S!
14001	C-R	710201	140227	GOODM	410825	14070	C-R	36X70X8	14100	UNIVE	6863S!
140011	SPG	415449	140227	JEFF	472394	1407167	CHRY	471564	14101	BENDI	471466!
140012	SPG	712109	140228	JEFF	410825	14071721	GMC	710046	14101	WOODB	471362!
140015	SPG	712112	14023	C-R	36X54X7.5	14074	C-R	50254=	1411035	WOOL	472164!
140016	SPG	712113	14023	C-R	36X54X8	140744	US-EL	416077	141113	HYST	415725=
140018	SPG	712122	140233	GOODM	470625!	14074833	GMC	4795V	141119	HYST	417605
140019	SPG	712101	140236	ALLCH	415196!	14075	C-R	50254=	14112	MICH	474277
14001933	LF-PT	471829	14024	C-R	223610	14076995	GMC	5699	14112	UNIVE	474277
14002	C-R	710166	14024	C-R	710197	14077041	GMC	8610	141149	HYST	417605
140020	SPG	712126	1402443	CHRY	6241S	140771	SPG	340771	14115134	CONTI	50445
140021	SPG	712102	1402618	CHRY	6636S	14077244	GMC	4307V!	14115A	MASSE	471651
140024	SPG	712120	14027	C-R	710331	1407752	CHRY	6597S	1412185	GMC	473212!
14002LDS	JN-MN	453066	14028	C-R	710197	14079089	GMC	9316	141263SB	TRSCM	9342S
14002LDS	JN-MN	470898!	14028	C-R	710199	140791	HOUGH	471224!	141276H	IH	415137!
14003	C-R	35X47X7V	14028939	GMC	5576	14079359	GMC	5072	141276H	IH	418028
14003414	GMC	8871	14029097	FAIRB	411	14079467	GMC	3543	14128LDS	JN-MN	455584
14003417	GMC	8835S	14030	C-R	2003N!	1408142	CHRY	473367	141309H	IH	50631
14004	C-R	710343	1403023	FMC	415007	1408142	CHRY	473367!	141322	FORD	471762!
14004804	TROS	471643!	1403023	FORD	415007	1408143	CHRY	470898!	14136	SPICE	473228
14004805	TROS	471643!	1403031	FMC	411253!	14081702	GMC	5210	1413635	GMC	473179!
14005	C-R	223601	14031	C-R	50126	14081761	GMC	331210V	14141	C-R	50075=
14005	C-R	36X47X7!	14032	C-R	1940	14081761	GMC	5210	141507	ALLCH	415035
14005003	TROS	481644	14033199	GMC	9845	14082	C-R	36X72X8	141507	ALLCH	415035!
14005005	TROS	481644	140337	FORD	473010!	14083	WOODB	471424!	14151	HYST	473467
14005604	TROS	471646!	14034495	GMC	2440	14084118	GMC	5697	141515HA	IH	323138!
14005605	TROS	471646!	14035	C-R	474127	14084119	GMC	5698	141515HB	IH	323138!
14005607	TROS	471646!	140359R91	IH	410496!	14084120	GMC	5699	141516HA	IH	340400
14006	C-R	2007N	14037	C-R	36X56X10	14085829	GMC	4307V!	141516HB	IH	340400
14006	C-R	223543!*	14038	C-R	36X56X10!	14086700	GMC	5697	14154LPD	JN-MN	472924!
14006	C-R	710396	14039	C-R	36X58X12!*	14087	C-R	4532N	1415976	GMC	473228!
14006004	TROS	471647	14039577	GMC	223255	1408732	CHRY	470954	1415976	MASSE	473228!
14006005	TROS	471647	14039577	GMC	32X52X7!	140878H2	HOUGH	331356=	141614R91	IH	457291
140061	SPG	6241S	14039587	GMC	8611N	14088	C-R	9116S	141671	HYST	417603!
14007	C-R	710218	14040	C-R	36X58X12!*	14088556	GMC	4359V	14169A	C-R	473464!
14007	C-R	710315*	14040	C-R	36X58X8!	14088556	GMC	5274	14169A	C-R	473464
14008	C-R	223602	14040	C-R	474288	14088559	GMC	4359V	14171	HYST	472560N!
14009	C-R	223605	140408	ALLCH	470530!	140896	CUMMI	472164=	141739	CUMMI	340797
14009	C-R	36X50X7!	140420	ALLCH	415001!	14090906	GMC	9845	141743	CUMMI	417621
14009	C-R	710341*	14042LPD	JN-MN	416664!	14091	DGASK	3771	141743	CUMMI	5509
14009612	GMC	710385	14043	C-R	36X58X12!*	14091422	GMC	473227	141818	ALLCH	471766!
14010	C-R	223605	14044	C-R	36X58X12!	14092	C-R	9342S	14182FX	OSHKO	322353
14010	C-R	36X50X7!	14045	C-R	1965	14092820	GMC	3667	14182FX	OSHKO	474278!
140100	SCHWI	471787=	14045	C-R	36X60X7!	14092900	GMC	2003N!	14182X	MASSE	240119
14010004	TROS	471649!	14046	C-R	1965	14095609	GMC	3173	14188	WITTE	416273!
14010005	TROS	471649!	14046941	GMC	710171	14095609	GMC	710928	1418889	GMC	450274
14010007	TROS	471649!	14046972	CHRY	5698	14095610	GMC	472572	14191	CASE	.J1105

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
1419512	GMC	6064	14271LPD	JN-MN	418028	14363	C-R	474264*	14484	C-R	239134
14198LUP	JN-MN	417602!	14272	DGASK	6936S	14363	C-R	474264!	144886	JEFF	417351!
141R	TIMKE	141PKG	14272	DGASK	TCS45285	14364	C-R	474264	14489	C-R	37X52X8!
14202	DGASK	223420	14278	DGASK	TCS45483	143697	JEFF	472636!	1449	ALLCH	472394
14202	DGASK	TCS45603	142806XX	TIMKE	14X28X6	143699	JEFF	417316!	14490LDS	JN-MN	455462
14205	CASE	473454	14281	DGASK	4040N	14370	C-R	6966S*	14491	C-R	471405
14209	C-R	340930	14281	DGASK	TCS45700	14381	C-R	4795V	14493A	C-R	473234
1420D	GOODM	472164!	14282	C-R	473225!	14383	C-R	473226	14494	C-R	2003N!
14212	C-R	3394	14282	DGASK	713655	14383	DGASK	TCS45725	14496	C-R	710302
14213TB	TRSCM	473224!	14282	DGASK	TCS45699	14384	LEECE	471750!	144961	JEFF	473471
14214	C-R	3395!	14283	C-R	473225!	14385	DGASK	TCS45727	144963	JEFF	471272!
14216	BTM	6074	14286A	C-R	450593!	14387	C-R	4795V*	14497	DAVEY	473228
142161	JEFF	471570!	14287	DGASK	320595	143873R91	IH	451143	14499	BU-SP	416167!
14218	C-R	473224!	142917	US-EL	417258	1439	ALOY	417487	144A11604	TROS	353135
14218521020	ALLCH	417481	14293	DGASK	320595	143926C1	IH	457734	144A11604	TROS	474278!
14219	C-R	473224!	14295	C-R	473225!	14393	C-R	4795V*	144A11604C	TROS	474278!
14220	C-R	473224!	14296	C-R	473225!	14393	DGASK	1121	144A11604C	TROS	6859S
14221	C-R	473224!	142981	US-EL	471868	14397	HOUGH	470565!	144R	TIMKE	144PKG
14222	C-R	473224!	142C799	WABCO	470806	143990R91	IH	416956	144X160X12SC	TRSCM	144X160X12
14223	C-R	473224!	142K1	WHITE	323138!	143R	TIMKE	143PKG	144X160X12TC	TRSCM	144X160X12
14223	SPICE	5778	142R	TIMKE	142PKG	144	C-R	710163	14500	C-R	710228
142234	SPICE	5778	143007A	HARWA	14X30X7	144	C-R	BS5974	145000	SPG	712123
14223TB	TRSCM	473016!	143007XX	TIMKE	14X30X7	144002R91	IH	472185!	145001	SPG	712124
14229	C-R	473016!	14301A	HERCU	473228	14404	C-R	473437*	145014	SPG	712125
1422C	GOODM	472179	14302	DGASK	TCS45724	14409	DGASK	TCS45884	14502	C-R	224462
1422D	GOODM	472179	14302	SPICE	472924!	1440927	GMC	473234	145029	JEFF	472492!
14230	C-R	473016!	143040	HYST	415498	144100	JEFF	472924!	145029	SUL	472924!
142308	GABR	471344	14306	DGASK	TCS45483	144101	JEFF	473215!	1450316	CHRY	6636S
14231HA	IH	472560N!	14308	BU-SP	412943	14410405	TROS	470606!	14504	BU-SP	415995!
142329H	IH	474278!	14309	DGASK	TCS45786	14410406	TROS	470606!	14504	KOE	415995!
142329HA	IH	340356	1431	C-R	472311!	14410L	IH	470950!	14506	C-R	710259
142331H	IH	472560N!	14310A	C-R	472924!	14410L	IH	6241S	145074	JEFF	412473!
142331HA	IH	472560N!	14311	DGASK	TCS45635	14411205	TROS	470328	145103	JEFF	415371
142333HA	IH	474276!	14312A	C-R	412871!	14411205	TROS	481213!	145107	JEFF	415995!
142333HB	IH	474276!	14315	C-R	474264	14411206	TROS	470328	145108	JEFF	415371
14233TB	TRSCM	473225!	14316	C-R	474264	14411206	TROS	481213!	145108	SUL	415371
1423404	GMC	473238	14316	DGASK	223420	144112X07	TROS	474260	14518012A	HARWA	145X180X12
14237LPD	JN-MN	455024	14316	DGASK	TCS45635	14411604	TROS	353135	1452	ALOY	1944
1423RC	SUL	417172	14317C	DIA	450400	14411604	TROS	474278!	145212	JEFF	471554!
142407XX	TIMKE	14X24X7	14317F	DIA	6597S	14411606	TROS	40185	14528	JN	471271!
14241A	C-R	416738!	14318X	MASSE	415960	14412	BU-SP	416154!	145383	JEFF	471711!
14241A	C-R	450096	143191VC	TRSCM	340930	14412LDS	JN-MN	473213!	145384	JEFF	415021
14242	C-R	473016!	1431M1	C-R	472311!	144139C1	IH	417698	145395	AU-WS	471735
1424334A	AUTSP	474276!	143203TB	TRSCM	3395!	14418	DGASK	TCS45860	1454	ALOY	474134
14243SB	TRSCM	474264!	143203TB	TRSCM	352444	144229	JEFF	471391!	145416	JEFF	415072
14246	C-R	473016	143207XX	TIMKE	14X32X7	144229	SUL	471391!	145493	JEFF	471549!
14247	C-R	473016!	143224	BRCWY	470059	14423	C-R	471862*	1455257	GMC	470059
14247	DGASK	3476	143224	BRCWY	470380!	14423A	C-R	471466!	1455257	GMC	470380!
14249	C-R	473016!	14322X	MASSE	473212!	14424	C-R	471862	14553	SPICE	50075=
1424B	GOODM	471984	143263TL	TRSCM	473437	144260H	IH	470004!	14557	SPICE	450073
1424D	GOODM	473313	143270	WHITE	415023	14427	DGASK	TCS45745	145585	JEFF	471791
14250	C-R	473016!	143281	WHITE	473447	14429	DGASK	TCS45918	145585	JEFF	456585
142505A	HARWA	14X25X5	143305TB	TRSCM	471405	144302	ALLCH	476838!	145588	BRCWY	415001!
142505XX	TIMKE	14X25X5	14337	EATON	713750	14438LPD	JN-MN	416191	1456	ALLCH	472394
14251	DGASK	TCS45108	14337	FULLE	713750	14443LDS	JN-MN	415379	145637	SPG	45637S
14252	C-R	473016!*	14341H	IH	472397!	14443LDS	JN-MN	415379!	145702	JEFF	415551
14253SB	TRSCM	473226	14341LPD	JN-MN	472826!	14444LDS	JN-MN	415142	145752	HYST	471267!
1425501	AUTSP	481163!	14342	C-R	474264	14446	C-R	450808	145753	HYST	471224!
14256	DGASK	3476	14344	DGASK	TCS45424	1445023	BENDI	472070	14577LPD	JN-MN	224025
14257	DGASK	TCS45718	14346	C-R	6966S	1445062	BENDI	240319	145812	HOUGH	470898
14259	DGASK	TCS45719	14347	DGASK	TCS45424	14452	C-R	412473!	145812	IH	470898
142598	CUMMI	417316	143473	ALLCH	473205	144557	JEFF	415196!	145827H2	IH	473467
142599	CUMMI	476122H=	143507XX	TIMKE	14X35X7	14457	SPICE	450073	145847250	MACK	120X150X12
142607XX	TIMKE	14X26X7	14351	HOUGH	441130	14458	C-R	450808*	14589	SPICE	40769S
14261	C-R	473016!	143555	JEFF	456105	14458	DGASK	TCS45108	14589SS	JN-MN	222510
14262	C-R	473016!	14357	DGASK	TCS45424	144581	JEFF	417512	14589SS	JN-MN	25X35X7!
142657	AUTOZ	K16300	143575	US-EL	472324!	144657	AM WH	473234	14598A	C-R	476838!
142658	AUTOZ	K16301	14359	C-R	6966S	14468	C-R	450808	145R	TIMKE	145PKG
14270	WHITE	415023	14360	DGASK	TCS45434	14474	DGASK	TCS45914	145X170X12SC	TRSCM	145X170X12
142707XX	TIMKE	14X27X7	14360A	C-R	416865!	14477	C-R	710355	145X170X12TC	TRSCM	145X170X12
142708R91	IH	410737!	14362	C-R	474264	14480	DGASK	TCS45963	145X175X15SC	TRSCM	145X175X15
14271	DGASK	TCS45506	143620	FWD	473229	14483	DGASK	TCS45725	145X175X15TC	TRSCM	145X175X15

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

145X180X12 – 14860

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
145X180X12 SIMRT	145X180X12	146A346 STN-S	470625!	14743 C-R	38X62X7	14810007 TROS	471689!
145X180X12SC TRSCM	145X180X12	146A347 STN-S	471750!	14746 C-R	223843	14810009 TROS	471689!
145X180X12TC TRSCM	145X180X12	146A5 HEIL	470004!	14746 C-R	38X60X10!	14810804 TROS	471692!
146-A153 HEIL	471734	146A57 HEIL	472397!	14747 C-R	710139	14810805 TROS	471692!
146-A160 HEIL	472636!	146A59 HEIL	471224!	14748 C-R	1176	14810806 TROS	471692!
146-A306 HEIL	472018	146A6 HEIL	471571	14749 C-R	2009	14810807 TROS	471692!
146-A322 HEIL	4715196!	146A60 HEIL	471466!	14750 C-R	38X65X8!	14811 C-R	50209*
14601 C-R	223750	146A9 HEIL	471466!	14750 C-R	710435	14811006 TROS	471707N
1461 SUPER	450084!	146A92 HEIL	472636!	147529 JEFF	415711	14811604 TROS	471413!
14610LPD JN-MN	65X90X10!	146R TIMKE	146PKG	1475295 GMC	5113	14811606 TROS	471413!
14613 HEIL	471224!	147 C-R	5476=	1475295 GMC	7721!	14812 C-R	480210!*
146139 US-EL	473225	1470 SUPER	416339	14753 C-R	1175	14812403 TROS	340853
14614 AMC	411253!	1470 SUPER	455031!	147537 ALLCH	473205	14813 C-R	474276
146163 BUSHH	204017	14700 C-R	710304	14754 CHAMP	471281!	148150 HYST	55301S
14618LDS JN-MN	473228!	14701 C-R	38X50X7!	14755 C-R	38X68X10!*	148151 HYST	473467
14619 HEIL	412119!	14702 C-R	1128	14755 C-R	38X68X8!	14816 C-R	42260S
14619LDS JN-MN	472016!	14703 C-R	223801	14755 C-R	710165	14817015A HARWA	148X170X15
14620 HEIL	416476!	14704 C-R	1174	14756 C-R	710509	1481M1 C-R	471224!
14620LDS JN-MN	415449!	14704 C-R	38X52X8.5!	14758 C-R	1176	14821 C-R	474276
14621LDS JN-MN	472185!	14705 C-R	1174	14759 C-R	1120	14821LDS JN-MN	415327
14626 HEIL	471141!	14705 C-R	38X52X8.5!	14760 C-R	38X70X10	14822 C-R	471579*
146319 HEIL	476470	14705 C-R	710309*	147600 JEFF	472144!	148223SB TRSCM	50468
14634 C-R	710414	14706 C-R	1966	14761 C-R	38X72X10	14824 C-R	474276!
14634LPD JN-MN	415645!	14707 C-R	223801*	14762 C-R	350572	14825 C-R	481568!*
14635 C-R	710441	14707 C-R	223802*	147621 JEFF	472397!	14826 C-R	474253
146366 TLSMI	415449!	14708 AIRCO	55155=	147622 JEFF	415187	14826 C-R	474253!
14640 C-R	473438	14709 C-R	38X52X7	147622 SUL	415187	14827 C-R	473414*
14641 C-R	473438	147091 BRCWY	456618	14763 C-R	223840	14828 C-R	471570!*
14643LPD JN-MN	226020	14709A MASSE	417493	14764 C-R	38X72X10	1483 ALOY	4148
14643LPD JN-MN	60X80X8!	14709X MASSE	473214	14764A C-R	416339	14830 C-R	471571*
14644LPD JN-MN	228010	1471 ALOY	9864S	14764A C-R	455031!	14831 C-R	451583!*
146458 HOUGH	473448	14710 C-R	239146	14766 C-R	1177	14831LDS JN-MN	415007
146458H1 HOUGH	473448	14710 C-R	38X54X7!	14767 C-R	1177	14832 C-R	1126
146458H1 IH	473448	14711 C-R	1174*	14767 C-R	38X74X8!	14832 C-R	474276*
146482 BRCWY	415458!	14711 C-R	38X52X8.5!*	14768 C-R	1177	14832STLPD JN-MN	55239=
146483 BRCWY	5M867	14712 C-R	4530	14769 C-R	38X75X8	14833 C-R	474276!
14649A C-R	471224!	14713 C-R	223802	14770 C-R	38X78X8	14836 C-R	474276*
1464RC SUL	418028	147148 BRCWY	415060	14774 C-R	38X80X8	1483758 CHRYS	471827
1464RC SUL	455137!	147148 BRCWY	455060	14775 C-R	1196	14840 C-R	443018!
1465 CHEL	471529	14715 C-R	38X54X7!	14775 C-R	3357	14840 C-R	474276*
1465 SUPER	473228	147178 BRCWY	415697!	147765 JEFF	472299	148415 JEFF	472164!
14650 C-R	473438	147178 BRCWY	455547	14779LPD JN-MN	20X32X7	14845 C-R	474276!
146522 JEFF	417344!	14719 C-R	223830	14780 C-R	8597S	1484523 CHRYS	474278!
146522 SUL	417344!	14720 C-R	223830	14781LDS JN-MN	416664!	1484523 CHRYS	6859S
14656 HEIL	50405	14720 C-R	38X55X7!	1478432 GMC	8804S=	148456 ALLCH	472012
14657SS JN-MN	472810!	14721 C-R	223830*	14785 C-R	38X90X8	1484592 CHRYS	340797
146583 JEFF	417349	14721 C-R	223831*	14789 C-R	482415	1484597 CHRYS	240698
1466004 GMC	473231!	14724 C-R	38X56X10V	1479 ALOY	224520	14846 C-R	481163!
14661 HEIL	471442!	147242 TLSMI	50266	14790 C-R	223801!	14846 C-R	6759S
14663 C-R	473439!	14725 C-R	38X56X10	147908H1 HOUGH	471466!	14847 C-R	474276
14666 HEIL	455290	14726 C-R	223845*	1479396 GMC	451078!	1484702 GMC	8804S=
14667 C-R	473439!	14726 C-R	38X62X7!*	14797LDS JN-MN	470954!	14848 C-R	1126
146672 JEFF	471553!	14727 C-R	38X56X10!	14798 EATON	451143	14848 C-R	3677
14669STLPD JN-MN	509503=	14728E MASSE	471442!	14798 FULLE	451143	14848 C-R	41257!
146718 BRCWY	5957S	147297 JEFF	471571	147987 JEFF	415645!	14849 C-R	240319
14671STLPD JN-MN	417608	14730 C-R	223840	147987 JEFF	455104	14849LPD JN-MN	472164!
146721 FUNK	412473!	14730 C-R	38X58X8!	147R TIMKE	147PKG	14850 C-R	240319*
14672LPD JN-MN	471735	147305 BRCWY	473464!	148004 FUNK	470625!	148504 WEBER	416107!
146741 SPERY	471224!	147305 BRCWY	473464	14802 EATON	417433=	148504 WEBER	455073
146748 BRCWY	5951	14731 C-R	223840	148036 ALLCH	471647	14852 C-R	481163!
14675 C-R	473439!	14732 C-R	223842	1480393 GMC	5589\$	14852 CHAMP	417484!
14676 C-R	473439!	14733 C-R	38X62X7!	14804 C-R	253099*	14852 DOMIN	417484!
1468 ALOY	4250*	14738 C-R	1038	14805004 TROS	471337	14853 C-R	240319*
1468 HEIL	476838!	1473814 GMC	5113	14805205 TROS	471686	14854LPD JN-MN	470774!
146855 BRCWY	416654!	1473814 GMC	7721!	148057 JEFF	417343!	14855 C-R	481163!
14694LPD JN-MN	70X100X13	14739 C-R	223843	14806LUP JN-MN	471442!	14855 CHAMP	470954=
14695 C-R	223805	1474 ALOY	5698	14807 C-R	253099!	14857 C-R	240319*
14699 HEIL	472179	14740 C-R	223843	14808 C-R	253099	148574H1 HOUGH	471649!
146A33 HEIL	450593!	14740 C-R	38X60X10!	1481 C-R	471224!	14858 C-R	1174
146A34 HEIL	473215!	14740 C-R	38X60X8	14810 C-R	253099	14858 C-R	472466!
146A345 STN-S	472951	14741 C-R	38X60X10V	14810004 TROS	471689!	14859 C-R	6759S
146A345 STN-S	474252	14742 C-R	38X62X7	14810005 TROS	471689!	14860 C-R	480630

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
1486096	CHRYSLER	14917	DGASK	14968	C-R	15-00108	ITM
14862	C-R	14918	DGASK	14969	C-R	15-00109	ITM
14863	C-R	14919	C-R	1496910	SPICE	15-00112	ITM
14864	C-R	14919	DGASK	1496B	JN-MN	15-00120	ITM
14865	C-R	1491M1	C-R	1496RC	SUL	15-00121	ITM
14866	C-R	14920	C-R	14970	C-R	15-00302	ITM
14869	C-R	14920	DGASK	14970LPD	JN-MN	15-00303	ITM
14870	C-R	149203TC	TRSCM	14972	C-R	15-00304	ITM
148720	ALLCH	149206SLX	MICH	14974	C-R	15-00307	ITM
14873	C-R	14921	DGASK	14975	C-R	15-00308	ITM
14875	C-R	14922	C-R	14975LPD	JN-MN	15-00311	ITM
14876	C-R	14922	DGASK	14978	C-R	15-00313	ITM
14877	C-R	14923	DGASK	14978	C-R	15-00315	ITM
14878	C-R	14924	C-R	14979	C-R	15-00319	ITM
14879	CHAMP	14924	DGASK	14979	SPICE	15-00320	ITM
14880	C-R	14925	C-R	1497OS	JN-MN	15-00321	ITM
14881	C-R	14925	DGASK	14980	C-R	15-00322	ITM
14882	C-R	14926	C-R	14980	C-R	15-00323	ITM
14884	C-R	14926	C-R	14980	DGASK	15-00324	ITM
14885	C-R	14926	DGASK	14981	C-R	15-00502	ITM
14885	CLAYN	14926M1	C-R	14981	C-R	15-00505	ITM
14886	C-R	14926M1	C-R	14981	DGASK	15-00506	ITM
14886	CLAYN	14927	C-R	14981LPD	JN-MN	15-00507	ITM
14887	C-R	14927	DGASK	14982	C-R	15-00508	ITM
148872HI	HOUGH	14928	C-R	14982	C-R	15-00514	ITM
1488883	GMC	14928	DGASK	14982	DGASK	15-00518	ITM
1489	CHAMP	14929	DGASK	14982A	C-R	15-00518	ITM
1489	DOMIN	1493	C-R	14982A	C-R	15-00519	ITM
148942	HOUGH	14930	C-R	14983	C-R	15-00520	ITM
148942	HOUGH	14931	C-R	14983	C-R	15-00522	ITM
14896	C-R	14932	C-R	14983	DGASK	15-00524	ITM
14898	C-R	14933	C-R	14984	DGASK	15-00525	ITM
14898	CHAMP	149345R91	IH	149848	FORD	15-00803	ITM
148L	OSHKO	14935	C-R	14985	DGASK	15-00900	ITM
148M1-L	C-R	149375R91	IH	14986	C-R	15-00901	ITM
148M1-L	C-R	1493776	GMC	14987	DGASK	15-00902	ITM
148R	TIMKE	1493778	GMC	14988	C-R	15-00903	ITM
148X170X15	SIMRT	14938	C-R	14990	C-R	15-00903	ITM
148X170X15SC	TRSCM	14939	C-R	14990	C-R	15-00905	ITM
148X170X15TC	TRSCM	14939	C-R	14991	C-R	15-00907	ITM
14900	DGASK	14939	C-R	14991	C-R	15-00908	ITM
14901	DGASK	14940	C-R	14992	C-R	15-00910	ITM
14902	C-R	14940	C-R	14993	C-R	15-00913	ITM
14902	DGASK	14942	C-R	14993	C-R	15-00913	ITM
14903	C-R	14942	CHAMP	14994	C-R	15-00916	ITM
14903	DGASK	14942	DOMIN	14995	C-R	15-00919	ITM
149030R91	IH	14943	C-R	14998	C-R	15-01000	ITM
149030R91	IH	14944	C-R	14999	C-R	15-01001	ITM
14904	DGASK	1494465	GMC	149R	TIMKE	15-01004	ITM
14904LDS	JN-MN	149488	CUMMI	149ZM1-Y2	C-R	15-01009	ITM
14905LDS	JN-MN	1495	ALOY	14X24X7SC	TRSCM	15-01103	ITM
14906	DGASK	14951	C-R	14X24X7TC	TRSCM	15-01105	ITM
14907	C-R	14953	C-R	14X25X5	FORSH	15-01106	ITM
14907	DGASK	149543	JEFF	14X25X5	SIMRT	15-01107	ITM
14908	DGASK	149543	SUL	14X25X5SC	TRSCM	15-01110	ITM
14909	C-R	149552	JEFF	14X25X5TC	TRSCM	15-01112	ITM
14909	DGASK	149552	SUL	14X26X7SC	TRSCM	15-01114	ITM
1491	C-R	14957	C-R	14X26X7TC	TRSCM	15-01116	ITM
14910	C-R	14959LPD	JN-MN	14X28X6SC	TRSCM	15-01119	ITM
14910	DGASK	1495M5	WHITE	14X28X6TC	TRSCM	15-01120	ITM
149105	JEFF	14960	C-R	14X30X7	SIMRT	15-01120	ITM
14911	C-R	1496010	SPICE	14X30X7SC	TRSCM	15-01123	ITM
14911	DGASK	1496096	CHRYSLER	14X30X7TC	TRSCM	15-01124	ITM
14912	C-R	1496123	GMC	14X32X7SC	TRSCM	15-01125	ITM
14912	DGASK	1496175	GMC	14X32X7TC	TRSCM	15-01126	ITM
14913	C-R	14963	C-R	14X35X7SC	TRSCM	15-01127	ITM
14913	DGASK	14964	C-R	14X35X7TC	TRSCM	15-01202	ITM
14914	DGASK	14965	C-R	15	WGEAR	15-01301	ITM
14915	DGASK	149654	JEFF	15-00005	ITM	15-01302	ITM
14915LPD	JN-MN	149654	SUL	15-00009	ITM	15-01303	ITM
14916	C-R	14966	C-R	15-00106	ITM	15-01304	ITM
14916	DGASK	14967L	IH	15-00107	ITM	15-01305	ITM

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
15-01306	ITM	710233	15-09313	ITM	223601	15-50507	ITM	1977	15008	C-R	470380!
15-01308	ITM	223230	15-09806	ITM	228010	15-52301	ITM	1974	15008000	AJUSA	1129
15-01311	ITM	1038	15-09813	ITM	227040	15-54002	ITM	473234	15008100	AJUSA	223005
15-01500	ITM	716102	15-09815	ITM	228010	15-54019	ITM	473234!	1500811	ITM	223551
15-01502	ITM	227550	15-09816	ITM	472439	15-58001	ITM	1174	1500811	ITM	710424
15-01505	ITM	227045	15-09830	ITM	5108	15-59805	ITM	50501	15008200	AJUSA	223010
15-01506	ITM	223840	15-09907	ITM	224252	15-59807	ITM	1994	15008300	AJUSA	5601
15-01513	ITM	223235	15-09908	ITM	227040	15-59807	ITM	710313	1500845	FRKLN	8907
15-01514	ITM	1987	15-11505	ITM	222025!	15-59808	ITM	222510	15008600	AJUSA	223012
15-01514	ITM	TCS45424	15-12301	ITM	713655	15-91402	ITM	1962	15008800	AJUSA	1981
15-01518	ITM	1994	15-13501	ITM	224200	15-A74	MINNM	476838!	15008900	AJUSA	223018
15-01520	ITM	221820	15-20003	ITM	224820	15-JG17	KEN	456744N	15009	SPG	415960
15-01523	ITM	228009	15-20006	ITM	1992	15-M22	SPICE	472361 =	15009000	AJUSA	712001
15-01524	ITM	1953	15-20101	ITM	1949	15-M30	SPICE	472361 =	150092	WAUKE	470625!
15-01526	ITM	223802	15-20300	ITM	225875	15-M36	SPICE	471272!	150093	WAUKE	471341!
15-01528	ITM	224020	15-20301	ITM	225010	15000	C-R	410059	15009600	AJUSA	223059
15-01530	ITM	223802	15-20302	ITM	494122	15000	C-R	470380!	15009700	AJUSA	473214
15-01532	ITM	224205	15-20303	ITM	474134	150001	SPG	712104	15009800	AJUSA	223035
15-01533	ITM	229210	15-20501	ITM	1188	150003	SPG	712103	15009SA	SPG	415960!
15-01534	ITM	231004	15-20502	ITM	1183	1500031	EATON	473436	1501	C-R	471224!
15-01536	ITM	231004	15-20509	ITM	2002	150004	SPG	712100	1501	GOODM	471224!
15-01550	ITM	231052	15-20510	ITM	1985	15000400	AJUSA	12X26X7	1501+2102	STEM	370023A
15-01552	ITM	710187	15-20511	ITM	1986	15000417	GMC	415072 =	1501+2102	STEM	417505
15-01901	ITM	225020	15-20905	ITM	1952	150008	SPG	712103	1501+320-2102	STEM	370023A
15-01904	ITM	710060	15-20906	ITM	1952	1500080M1	MASSE	412473!	1501+320-2102	STEM	417505
15-01906	ITM	712005	15-21501	ITM	224015	1500081M1	MASSE	450446	15010000	AJUSA	6479
15-01908	ITM	224205	15-21502	ITM	1950	15001	C-R	470380!*	15010100	AJUSA	223220
15-01917	ITM	3476	15-22303	ITM	472213	15001000	AJUSA	221540	15010300	AJUSA	223230
15-01918	ITM	226820	15-22502	ITM	1209	1500114	ITM	TCS45603	15010400	AJUSA	223235
15-01937	ITM	222340	15-22703	ITM	222510	1500115	ITM	BS40583	15010500	AJUSA	223420
15-02000	ITM	3476	15-23302	ITM	1217	1500122	ITM	TCS45681	15010600	AJUSA	710310
15-02005	ITM	710205	15-23303	ITM	1217	15001600	AJUSA	221710	15010700	AJUSA	223240
15-02007	ITM	226020	15-23304	ITM	1165	15001700	AJUSA	221720	15010800	AJUSA	3476
15-02009	ITM	716102	15-23306	ITM	473455!	15002200	AJUSA	222025!	15010900	AJUSA	3476
15-02107	ITM	3476	15-24008	ITM	224820	15002300	AJUSA	222030	15011	C-R	50209
15-02300	ITM	224461	15-24009	ITM	1090	15002800	AJUSA	222050	15011000	AJUSA	223240
15-02301	ITM	224250	15-24201	ITM	451948	15002900	AJUSA	20X40X10	15011700	AJUSA	223340
15-02304	ITM	223802	15-25603	ITM	1110	15003	HYST	410190	15012	C-R	480210!
15-02305	ITM	224250	15-26301	ITM	473230!	15003	SPG	415458!	15012000	AJUSA	223420
15-02307	ITM	473823	15-29303	ITM	482126	150030	HYST	410190	1501214	FRKLN	471278
15-02503	ITM	3909	15-30010	ITM	1974	15003200	AJUSA	5699	1501229	MASSE	473234
15-02902	ITM	224520	15-30101	ITM	473812	15003600	AJUSA	222240	1501229M1	MASSE	473234
15-03102	ITM	223050	15-30102	ITM	473179	15003700	AJUSA	222267	1501230M1	MASSE	471765!
15-03104	ITM	710331	15-30301	ITM	3195	1500381	FRKLN	370043A	15012500	AJUSA	1172
15-03313	ITM	224840	15-30503	ITM	710329	15004	C-R	470059	15012600	AJUSA	1108
15-04017	ITM	710271	15-30506	ITM	1977	15004	C-R	470380!	15012700	AJUSA	320249
15-04018	ITM	223800	15-31101	ITM	1188	15004	NATL	417316!	15012800	AJUSA	223602
15-04302	ITM	710056	15-31302	ITM	224015	15004000	AJUSA	222340	15012900	AJUSA	3771
15-05602	ITM	50266	15-31504	ITM	1956	15004100	AJUSA	24X35X7!	15013	C-R	410059
15-05603	ITM	472164!	15-32010	ITM	1174	15004400	AJUSA	222510	15013	C-R	470380!
15-06101	ITM	713771	15-32010	ITM	224015	1500449	FRKLN	472924!	15013	SPG	415995!
15-06102	ITM	228480	15-32303	ITM	50501	150046	JEFF	455191	15013000	AJUSA	223520!
15-06301	ITM	224025	15-32501	ITM	3395!	15004600	AJUSA	324151 =	1501309	ITM	BS40638
15-06303	ITM	223035	15-32902	ITM	1187	1500474	FRKLN	473237!	15013100	AJUSA	710329
15-06304	ITM	226480	15-34011	ITM	1960	15004800	AJUSA	450908 =	15013200	AJUSA	3771
15-06307	ITM	494117	15-34203	ITM	470898	15004804	TROS	471684!	15013300	AJUSA	3771
15-07801	ITM	2955	15-34203	ITM	473234!	15005	C-R	470380!	15013400	AJUSA	710329
15-07802	ITM	3909	15-35602	ITM	471870!	1500510	ITM	223250	15013600	AJUSA	3771
15-08301	ITM	1953	15-35603	ITM	350936	1500510	ITM	710415	15013700	AJUSA	3771
15-08307	ITM	228010	15-35604	ITM	340823	15005100	AJUSA	222556	15013800	AJUSA	223535
15-08502	ITM	3771	15-35609	ITM	710058	15005500	AJUSA	1990	15013NA	SPG	415995!
15-08504	ITM	222556	15-36303	ITM	223535	15005600	AJUSA	28X38X7	15013SA	SPG	415995!
15-08506	ITM	710302	15-36304	ITM	224235	15006	SPG	417344!	15014000	AJUSA	223542
15-08507	ITM	223010	15-36305	ITM	40X58X10!	15006000	AJUSA	222820	15014000	AJUSA	4530
15-08510	ITM	223005	15-39101	ITM	224865	15006100	AJUSA	710325	15014100	AJUSA	223542
15-08511	ITM	222267	15-39307	ITM	473238!	15006200	AJUSA	712008	15014200	AJUSA	223550
15-09106	ITM	331227H	15-39818	ITM	320595	15006400	AJUSA	28X42X8!	150148	JEFF	417498
15-09300	ITM	1108	15-40101	ITM	474133	15006700	AJUSA	222860	15015	C-R	410059
15-09303	ITM	229210	15-40509	ITM	1167	15006700	AJUSA	2901	15015	C-R	470380!
15-09306	ITM	710190	15-44017	ITM	1965	15006S	SPG	417344!	15015000	AJUSA	3394
15-09308	ITM	710190	15-45605	ITM	451857	15007	C-R	470380!	1501511	ITM	BS16192
15-09312	ITM	321460	15-50301	ITM	1196	15007500	AJUSA	320595	1501512	ITM	TCS45424

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
15015200	AJUSA	223800	15021300	AJUSA	2440	1502929	CHRY	410308!	15037300	AJUSA	228250
15015300	AJUSA	223802	15021400	AJUSA	2440	15029400	AJUSA	226020	15037300	AJUSA	710448
15015300	AJUSA	7216	15021500	AJUSA	2440	15029500	AJUSA	2001	15037400	AJUSA	710294
15015400	AJUSA	1174	15021600	AJUSA	1185	15029600	AJUSA	60X82X12!	15037500	AJUSA	228410
15015500	AJUSA	1966	15021700	AJUSA	003	1502961	FRKLN	470565!	15037600	AJUSA	228480
1501566	CHRY	6781	15021900	AJUSA	224550	15029800	AJUSA	473573	15037700	AJUSA	716102
150158	HYST	474281!	15021900	AJUSA	5120	1502QS	JN-MN	415072*	1503776	FRKLN	413248
15015800	AJUSA	223831	15022	C-R	471579	1503	C-R	HU009A	1503777	FRKLN	413248
15015LPD	JN-MN	415551	15022200	AJUSA	710289	1503+2023	STEM	370065A	1503778	FRKLN	470565!
15016	C-R	470059	15022300	AJUSA	710289	1503+2173	STEM	370107A	1503779	FRKLN	470565!
15016	C-R	470380!	15022400	AJUSA	710289	1503+320-2023	STEM	370065A	15037900	AJUSA	6469
15016100	AJUSA	710318	15022500	AJUSA	224560	1503+320-2023	STEM	380065A	15037900	AJUSA	716102
15016200	AJUSA	710318	150225R1	SELAS	5115	15030	C-R	471571	15038	C-R	470059
15016600	AJUSA	5521	15022600	AJUSA	224560	15030	GEHL	471571	15038	C-R	470380
15016800	AJUSA	224010	15022800	AJUSA	710289	1503016M2	MASSE	414268!	15038000	AJUSA	6469
15016900	AJUSA	224015	15023	SPG	415023	1503017M1	MASSE	415137!	15038000	AJUSA	716102
15017	C-R	470380!	150233SP	TRSCM	7692S	1503017M1	MASSE	418028	15038100	AJUSA	716102
15017000	AJUSA	224015	15023400	AJUSA	1973	15030400	AJUSA	62X80X10	15038400	AJUSA	710232
15017200	AJUSA	473677	15023500	AJUSA	716484	1503042	FRKLN	417040	15038500	AJUSA	228700
15017400	AJUSA	3392	15023600	AJUSA	1973	15030900	AJUSA	64X80X8	15038600	AJUSA	3772
15017500	AJUSA	224025	15024	C-R	471567!	15031	C-R	451583!	15038700	AJUSA	3772
15017600	AJUSA	224026	15024	GOODM	471567!	15031000	AJUSA	009	15038900	AJUSA	710237
15017800	AJUSA	5604	15024000	AJUSA	224840	15031400	AJUSA	712005	15039	C-R	470059
15018	C-R	40059S	15024100	AJUSA	6127	15031500	AJUSA	226530	15039	C-R	470380
15018	NATL	476470	15024100	AJUSA	712010	15032	C-R	40059S	15039000	AJUSA	229005
15018100	AJUSA	5521	15024200	AJUSA	712010	15032100	AJUSA	226820	150392	WAUKE	470059
15018200	AJUSA	224040	15024300	AJUSA	224850	15032200	AJUSA	712511	150392	WAUKE	470380!
15018300	AJUSA	224040	15024800	AJUSA	225010	15032300	AJUSA	68X90X10!	15039200	AJUSA	229005
15018800	AJUSA	224205	15024900	AJUSA	225010	15032400	AJUSA	70X85X8!	15039300	AJUSA	229005
15018900	AJUSA	473560N	15024LDS	JN-MN	416394	15032500	AJUSA	5606	15039400	AJUSA	229010
15018900	AJUSA	5613!	15025	C-R	481568!	15032600	AJUSA	1021V	1503967	FRKLN	471272!
15019	C-R	410059	15025000	AJUSA	225020	15032700	AJUSA	70X88X8!	15039800	AJUSA	710288
15019	C-R	470380!	15025300	AJUSA	50X70X10V	15032800	AJUSA	227020	15039900	AJUSA	710288
15019000	AJUSA	224220	1502533M1	MASSE	473238!	15032900	AJUSA	227040	1503OS	JN-MN	416229
1501902	ITM	1945	1502534M1	MASSE	472636!	15033	C-R	470059	1504	C-R	HU149A
1501902	ITM	228480	1502537M1	MASSE	473232	15033	C-R	470380	1504+2110	STEM	416158
1501903	ITM	1945	1502538M1	MASSE	450446	15033000	AJUSA	227040	1504+320-2110	STEM	386025A
1501903	ITM	228480	15025400	AJUSA	225035	15033100	AJUSA	227040	1504+320-2110	STEM	416158
1501909	ITM	TCS45633	15025400	AJUSA	4401=	15033400	AJUSA	227045	15040	SPG	416891!
15019100	AJUSA	473560N	15025600	AJUSA	225040	15033500	AJUSA	227045	15040000	AJUSA	229210
150192	WAUKE	473231!	150257M1	MASSE	473232	15033800	AJUSA	227235	15040100	AJUSA	717005
15019200	AJUSA	42X56X7!	15026	C-R	474253!	15033900	AJUSA	227409	15040500	AJUSA	4359V
15019300	AJUSA	224235	15026	C-R	474253	15033LPD	JN-MN	130X160X12	15040600	AJUSA	710060
1501931M1	MASSE	470354	15026200	AJUSA	1884	15034	C-R	470380!	15040700	AJUSA	229510
150194	HYST	415867	15026200	AJUSA	4990	15034000	AJUSA	227410	15041	C-R	472189A
15019500	AJUSA	2000	15026300	AJUSA	52X69X10	15034200	AJUSA	75X90X10	15041	C-R	9613S
15019600	AJUSA	1953	15026400	AJUSA	225420	15034400	AJUSA	227550	15041100	AJUSA	231002
1501977	FRKLN	415449!	15026500	AJUSA	225450	15034500	AJUSA	227550	15041300	AJUSA	710290
15019800	AJUSA	1953	15026700	AJUSA	710279	15034600	AJUSA	227550	1504180	FRKLN	412920!
15019900	AJUSA	1953	15026800	AJUSA	55X70X8!	15034700	AJUSA	227550	15041800	AJUSA	110X135X12
1501K	AU-WS	471224!	15026900	AJUSA	710279	15034800	AJUSA	1019	15042000	AJUSA	5625
1501M1	C-R	471224!	15026M1	C-R	474253	15034900	AJUSA	227610	1504210M1	MASSE	40566S
1502	C-R	HU036A	15026M1	C-R	474253!	1503490M1	MASSE	240151	15043	C-R	9613S
1502+2106	STEM	370003A	15026SS	JN-MN	50200	15034SA	SPG	415034!	15043100	AJUSA	231705
1502+2115	STEM	370005A	15027	C-R	473414	15035	C-R	470380!	15043500	AJUSA	223230
1502+2162	STEM	370006A	15027000	AJUSA	225535	15035300	AJUSA	227830	15043700	AJUSA	222540
1502+320-2106	STEM	370003A	1502703	FRKLN	413247!	15035600	AJUSA	228005	15044	C-R	9613S
1502+320-2106	STEM	380003A	1502708	FRKLN	472185!	15035700	AJUSA	228008	15044200	AJUSA	225020
1502+320-2115	STEM	370005A	15027100	AJUSA	225535	15035700	AJUSA	6481=	150446	JEFF	415263
1502+320-2162	STEM	370006A	15027200	AJUSA	225535	15035800	AJUSA	228009	15044600	AJUSA	224462
15020200	AJUSA	224252	15027300	AJUSA	225545	15035900	AJUSA	80X100X10!	15044700	AJUSA	224460
150202SC	TRSCM	240319	15027400	AJUSA	55X78X10	15035SA	SPG	415035	15044800	AJUSA	224250
150202SC	TRSCM	481163	15027800	AJUSA	471272	15036	C-R	470059	15045	C-R	9613S
15020300	AJUSA	224252	15028	C-R	471570!	15036	C-R	470380	15045100	AJUSA	224650
15020400	AJUSA	224255	15028	FAIRB	471570!	15036	SPG	415036	15045500	AJUSA	224560
15020500	AJUSA	224266	15028	GOODM	471570!	15036100	AJUSA	228009	15045600	AJUSA	231052
15020600	AJUSA	224461	15028700	AJUSA	710271	15036200	AJUSA	228009	15045700	AJUSA	232520
15020700	AJUSA	224465	15028900	AJUSA	225880	15036400	AJUSA	228010	15045700	AJUSA	710415
15020LPD	JN-MN	472020	15029000	AJUSA	225880	15036500	AJUSA	228020	15045900	AJUSA	223520!
1502109	FRKLN	370121A	1502904	ITM	BS25031	15037	C-R	470380!	15047	C-R	4370N
15021100	AJUSA	224510	15029100	AJUSA	4408	15037000	AJUSA	228480	1504716	FRKLN	416624!
15021200	AJUSA	1184	15029200	AJUSA	226020	15037100	AJUSA	228480	15047300	AJUSA	1121

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
15047400	AJUSA	228015	1509+2117	STEM	370030A	15150	C-R	473228!*	152062VB	TRSCM	7537S
1504754M1	MASSE	471192	1509+320-2117	STEM	370030A	15153	C-R	473228!	152063SB	TRSCM	480630!
1504755M1	MASSE	473234!	15090	C-R	471344*	15153LPD	JN-MN	417350!	152069	ADAMS	416654!
15048500	AJUSA	223750	15092	C-R	471344*	15154	SPG	417351!	152069	WABCO	416654!
15048600	AJUSA	229005	15093	C-R	471344*	15156NA	SPG	417621	15206SG	TRSCM	480630!
15048800	AJUSA	710233	1509305	ITM	TCS45725	15157	C-R	473228!	15207	AIRCO	471766!
15048900	AJUSA	710234	1509309	ITM	TCS45725	15158	C-R	473228	15207	C-R	470487!
15048X	MASSE	450765!	15094	C-R	471344*	15159	C-R	473228!	15208	C-R	473440!
15049000	AJUSA	223230	15095	C-R	471862*	1516+2097	STEM	370069A	15209	C-R	450984*
15049100	AJUSA	710236	15095	SPG	416271!	1516+320-2097	STEM	370069A	15209	SPICE	415001!
15049200	AJUSA	710235	150951	JEFF	417362!	1516+320-2097	STEM	380069A	15209LUP	JN-MN	120X160X12
15049300	AJUSA	716102	15095S	SPG	416731!	15160	C-R	40067S=	1521103	ITM	1213N
15049400	AJUSA	2025	150967	JEFF	471103!	15161	C-R	40067S=	15212	C-R	473228!
15049500	AJUSA	716102	15099LUP	JN-MN	471192	15162	C-R	473228	15212	C-R	473440
15049600	AJUSA	710187	150R	TIMKE	150PKG	15164	C-R	473228	152128	AM WH	455194
15049700	AJUSA	1120	150X180X12SC	TRSCM	150X180X12	15166	C-R	473228!	15213	C-R	473440!
1504RC	SUL	415035!	150X180X12TC	TRSCM	150X180X12	1517+2113	STEM	370021A	15213	SPG	417247!
1504RC	SUL	415035	150X180X15SC	TRSCM	150X180X15	1517+320-2113	STEM	370021A	15213NA	SPG	415213N
15050	C-R	9613S	150X180X15TC	TRSCM	150X180X15	15170	C-R	473228	15213TB	TRSCM	473227!
15050200	AJUSA	223802	150Z1	C-R	471224!	15171	C-R	473228	15213TEB	TRSCM	473227!
1505044	MASSE	450269	1510+2118	STEM	370037A	15171LDS	JN-MN	416381	15213VTB	TRSCM	473227
150511R91	IH	40316S	1510+2118	STEM	370338A	1517230	OSHKO	416888!	15214	C-R	473440!
1505258M1	MASSE	474272	1510+320-2102	STEM	380023A	15174	C-R	200861	15215	C-R	473440!
15053	SIDEW	415379	15100	MICH	320457	15174LPD	JN-MN	416500!	1521506	ITM	225020
15053	SIDEW	415379!	15100	UNIVE	320457	15175	C-R	410190	1521506	ITM	50X68X8!
1505328M1	MASSE	471442!	15102	C-R	473228	15176	C-R	410190*	15219SA	SPG	415219
150539	AMC	472560N!	15103	C-R	473228	15177F	OSHKO	417349=	152205	JOHND	5778
15054	C-R	5200	15104	C-R	473228!	151818	BRWCY	450400	152218	OLIVE	472144!
15054LPD	JN-MN	3476	15105	C-R	473228	15182TB	TRSCM	253099!	15222	C-R	474281!
1505900	ITM	BS40535	15105SA	SPG	415938	15182TB	TRSCM	473099	152223TB	TRSCM	480844
1505903	ITM	BS40535	15108	SPG	476470	15182VB	TRSCM	253099	152225VL	TRSCM	40438S
1505RC	SUL	417344!	15109	C-R	473228	15183	SPG	417205!	15222VHY	TRSCM	340136
150604	OLIVE	417267	1511	C-R	HU024A	15184	C-R	410190	1522301	ITM	227040
1506224M1	MASSE	340823	1511+2129	STEM	416892	15185	OLIVE	472924!	1522301	ITM	70X90X10!
150628H1	IH	471766!	1511+320-2129	STEM	416892	15186	C-R	470380!	15223SB	TRSCM	470625
15065	C-R	7886S*	1511035	C-W	415725!	15186	C-R	472189A	15223TB	TRSCM	470625!
15065LUP	JN-MN	442874	1511035	WOOL	415725!	151876	WAUKE	471413!	15223VTB	TRSCM	470625!
15067LUP	JN-MN	416167!	15112	MICH	470004!	151879	WAUKE	471413!	15225	DIA	6532S=
1506RC	SUL	415995!	15112	UNIVE	470004!	15189	C-R	451857	15225	EATON	6532S=
1507+320-2109	STEM	370036A	15113	C-R	473228!*	151890	BRWCY	323138!	152257	ALLCH	416865!
1507+320-2109	STEM	370349A	15113A	C-R	415437	15190	C-R	41461S	152264TA	TRSCM	9363S
1507+320-2109	STEM	380036A	15113A	C-R	415437!	15191VB	TRSCM	474276	152270	JEFF	417490
15070	C-R	471820	15114G	P-C	TCS45483	15192NA	SPG	415192N	152275SH	TRSCM	8940S
15070LPD	JN-MN	417533	15116	C-R	473228!	15192TB	TRSCM	474276!	15228	C-R	474281!
15072STLUP	JN-MN	415076	15116A	C-R	471766!	15192TB	TRSCM	474276!	152283	JEFF	417073
15076	C-R	471820*	15118	C-R	473228!*	15193	SIDEW	204029	15229	C-R	474281!
15076LDS	JN-MN	417602!	1512	ALLCH	471766!	15193	SIDEW	204507!	1522B	GOODM	472572!
15077	C-R	7886S*	1512	TRAC	471766!	151932VB	TRSCM	443018!	1522D	GOODM	472572!
1507800	ITM	BS40380	15120	C-R	473228!*	15194	C-R	451857*	1522T2	DIA	410308!
1507808	ITM	TCS45472	15120	C-R	473228*	15195	SPG	416556!	1522T2	WHITE	410308!
15079	C-R	7886S	15124	C-R	473228	15195	SPG	472157	1523	C-R	HU066A
15079	TMTR	471466!	15125	C-R	473228	151962R91	IH	415449	15230	C-R	474281!
1508+2131	STEM	370019A	15129	C-R	473228!*	15198	C-R	41461S	152302	JEFF	55155=
1508+320-2114	STEM	370019A	15129LPD	JN-MN	30X47X7	151982KBJ	TRSCM	3677	1523102	ITM	1012
1508+320-2131	STEM	370019A	1513	C-R	HU044A	15198LPD	JN-MN	473229!	1523102	ITM	1012N
15080	C-R	40063S!	15130	C-R	473228!*	15199LDS	JN-MN	7131	1523301	ITM	1213N
15081	C-R	471820	15131	C-R	473228!*	151R	TIMKE	151PKG	15233VHY	TRSCM	204013
15082	C-R	471820	15135	C-R	473228!*	152	C-R	5585	15234	C-R	471915*
150833M1	MASSE	415991	151371R91	IH	415449	15200	C-R	470487!	15234VB	TRSCM	203013
150833M1	MASSE	455146!	15139	C-R	473228	1520103	ITM	471950	15235	C-R	450523*
15084	C-R	7886S	1514014	ITM	471224!	15201SS	JN-MN	231404*	15236	C-R	450523
1508503	ITM	TCS45727	15141	C-R	473228!	15202	C-R	50345=	152372VH	TRSCM	40059S
1508509	ITM	TCS45725	151417	AM WH	417596	15202	SPICE	50402	152373TB	TRSCM	470380!
15086	C-R	471344	15141LDS	JN-MN	415035	15202SP	TRSCM	224015	152373VTB	TRSCM	470059
15087	C-R	471344	15142	C-R	473228!	15202VB	TRSCM	240319	152374TBP	TRSCM	472189A!
15087	EATON	415991	15143LDS	JN-MN	474281!	15203SP	TRSCM	1217	152374TBP	TRSCM	9613S
15087	EATON	415991!	15147	C-R	473228!*	15203TB	TRSCM	481163!	152375SA	TRSCM	410059
15087	FULLE	415991	15147	SPG	415449!	15203TB	TRSCM	6759S	152375SA	TRSCM	470059
15087	FULLE	415991!	15149	SPG	417343!	15204	C-R	450984*	1523D	GOODM	473238
15089LPD	JN-MN	227550	1515	C-R	HU028A	1520503	ITM	1174	1524	C-R	HU070A
15089LPD	JN-MN	75X100X12!	1515+2132	STEM	415058	1520503	ITM	38X52X8.5!	1524-2	DAVIS	471766
1509	C-R	HU003A	1515+320-2132	STEM	415058	15206	C-R	9613S	15240	C-R	450326

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
1524018	ITM	1174	1529A	WAYNE	474254!	15343	C-R	452222	154507	CASE	477123=
1524018	ITM	38X52X8.5!	152R	TIMKE	152PKG	153463521	TOWNR	200322	15451	C-R	223802
152407XX	TIMKE	15X24X7	153-124-04	TROS	323138!	153507XX	TIMKE	15X35X7	15451LPD	JN-MN	471645
15241	C-R	471958	1530	C-R	HU014A	15353	C-R	710214	15457LPD	JN-MN	412861
152427	FUNK	473228	15300	C-R	1205	15355	DIA	5951	15460	C-R	8695S
15242VB	TRSCM	40063S!	15300	C-R	1205N	15355	EATON	5951	154615H1	IH	410308!
152435B	TRSCM	471820	15300	C-R	321416	1535606	ITM	473210	154615H1	IH	473468
152443TL	TRSCM	471344	153002	WAUKE	471466!	1536	C-R	HU012A	15462	C-R	4244
152468	JEFF	417621!	153007XX	TIMKE	15X30X7	1536301	ITM	1174	15463	C-R	472213
152469	JEFF	416125!	153032	ALLCH	415960!	1536301	ITM	38X52X8.5!	1546RC	SUL	471549!
1524D	GOODM	450084!	15303TB	TRSCM	471958	15364A	MASSE	240385	1547	ALOY	473459
15250	C-R	210914	15304804	TROS	473406!	1537	ALOY	9569S	15471LPD	JN-MN	471492
15250	MURRA	417316!	15305	C-R	8610	153706XX	TIMKE	15X37X6	15473STLUP	JN-MN	509756=
152505SA	TRSCM	473229	15305	SPG	415991	153710	JEFF	417344!	154745	JEFF	471281!
152505XX	TIMKE	15X25X5	1530501	ITM	1181	153716	HYST	200885	154745	SUL	471281!
152506XX	TIMKE	15X25X6	1530501	ITM	41X56X7!	153717	HYST	JV1371	154751	JEFF	471103!
152507XX	TIMKE	15X25X7	1530505	ITM	1181	15372	C-R	710118	154751	JOY	471103!
15252	JA-MI	6283S	1530505	ITM	41X56X7!	153725	JEFF	416288!	154774	WAUKE	420
15252	JAE	6283S	15305607	TROS	471137	15373	C-R	40369S	1548OS	JN-MN	415991
15253	C-R	450540	15306	C-R	8611N	15374	C-R	8610	1548OS	JN-MN	455146!
152536	JEFF	473235!	15306	SIDEW	204017	15376	C-R	8940S	1548RC	SUL	416891!
152535B	TRSCM	473228	153097	WAUKE	417546!	15379S	SPG	415379	15491LPD	JN-MN	33X50X12!
15253TB	TRSCM	473228!	153097A	WAUKE	455071N=	1537D5	WHITE	471689!	15493	TLSMI	240816
152542	JEFF	416271!	1531	C-R	HU007A	1537OS	JN-MN	417316!	154935	HOUGH	415379
15255	C-R	6922=	15310	C-R	710123	1538	ALLCH	471271!	154935H1	HOUGH	415379
15255SA	TRSCM	473228	15310007	TROS	450593!	1538	C-R	HU011A	1549OS	JN-MN	415449!
1525601	ITM	1213N	15310407	TROS	473419	1538	TRAC	471271!	154G119-90	GR-DV	417210!
152563TB	TRSCM	410190	15310607	TROS	450044	1538170	OSHKO	370003A	154G119-91	GR-DV	415072
152565TA	TRSCM	410190	15310805	TROS	476838!	15382	C-R	712011	154G119-92	GR-DV	415116
15257	C-R	455308	15310807	TROS	476838!	15382	NEWPR	3173	154G119-93	GR-DV	416888!
15258	C-R	455308	15311007	TROS	450482	15382	NEWPR	710928	154G149-72	GR-DV	417247!
1526	C-R	471539!	1531102	ITM	1214	15388	SIDEW	473367	154G149-73	GR-DV	417548
152607XX	TIMKE	15X26X7	1531102	ITM	1214N	1538D5	WHITE	473203	154R	TIMKE	154PKG
1526103	ITM	224100	153114	JEFF	471466!	1538F	ALOY	6815	155	C-R	5390
1526103	ITM	40X65X10!	153115	JEFF	413247!	1538OS	JN-MN	417269!	15500	C-R	710233
152623TB	TRSCM	470682	153116	JEFF	416163	1539027	ONAN	205017	1550001	ITM	1994
15262VH	TRSCM	41461S	153117	JEFF	416666	1539675	FMC	327303!	1550001	ITM	48X70X9!
1526302	ITM	472213	153119	HYST	473236!	1539676	FMC	417551	15502	C-R	4244
15263SL	TRSCM	451857	15312	C-R	710122	1539F	OSHKO	416107!	15502	CHRYSS	7412S
15264SP	TRSCM	8610	15312406	TROS	323138!	1539F	OSHKO	455073	155044	HOUGH	415483!
1527	C-R	HU019A	153128H1	HOUGH	455509	153R	TIMKE	153PKG	1550555	CLARK	471341!
15270	C-R	710247	153139	US-EL	470565!	154005	JEFF	416339	1550556	CLARK	471344
15272	SPG	416706!	15315	NPG	472572	154005	JEFF	455031!	1550559	CLARK	5751
152735B	TRSCM	473440!	1531501	ITM	1180	154005	SUL	416339	15506	C-R	330749V
15275TC	TRSCM	474281	1531501	ITM	41X55X7!	154005	SUL	455031!	155079	BENDI	455079!
152772	AM WH	416149	15315SA	SPG	415984!	154007XX	TIMKE	15X40X7	15508	C-R	8421S
15278	CHAMP	370054A	153207XX	TIMKE	15X32X7	15401A	C-R	473214	15508LUP	JN-MN	223035
1528	C-R	HU028A	153208XX	TIMKE	15X32X8	154040	JA-MI	472179	15509	C-R	7994S
152807XX	TIMKE	15X28X7	15325	C-R	470059	154040	JAE	472179	1550929	CHRYSS	471827
15281SA	SPG	417349	15325	C-R	470380!	154041	JA-MI	472185!	1550988	CLARK	472179
152833TB	TRSCM	471915	15326	C-R	470059	154041	JAE	472185!	1550989	CLARK	413247!
152848	HYST	417488!	15326	C-R	470380	1540501	ITM	32X58X8!	1550990	CLARK	416282
152857	HYST	415303!	1532901	ITM	1174	15408A	C-R	471466	1550992	CLARK	417353!
152863	HYST	416278	1532901	ITM	38X52X8.5!	15409	SIDEW	473228	15509928	GMC	470625!
152877	JEFF	473367!	153291	WAUKE	471255!	154141	JEFF	417210!	1551061	CHRYSS	6636S
152877	JEFF	473367	153291B	WAUKE	471255!	15415LDS	JN-MN	416556!	15510627	GMC	471271!
15287A	MASSE	473467	153291C	WAUKE	417365	15415LDS	JN-MN	472157	15510775	GMC	415066
152883	HYST	416888!	15329A	C-R	412473!	15419	SPG	417492	15510805	TROS	350974!
152885	HYST	415725!	15330	C-R	452222!	1542	C-R	HU013A	15510919	GMC	9773
152886	HYST	J1136	153314	HYST	472015!	154253	CASE	471424!	15511	C-R	340927
152892	CUMMI	470059H=	153318A	OLIVE	450073	154269	SIMPL	473157	15511060	GMC	415458
15290	C-R	473228	15332	C-R	452222!	1543	C-R	HU009A	15511066	GMC	416654
15292	C-R	710318*	153322	HYST	417247!	154344H2	IH	415854	15511078	GMC	412473
15292	C-R	710319	1533302	ITM	1208	154347R91	IH	471224!	15511083	GMC	712937
1529304	ITM	224045	1533302	ITM	48X72X7!	15439LPD	JN-MN	470954!	15511087	GMC	722250
1529304	ITM	40X62X12!	1533303	ITM	1969	1543F	OSHKO	416158	15511129	GMC	416654!
152934	HOUGH	470898	1533303	ITM	48X63X9!	1544	ALOY	472070	15511587	GMC	416282
152934H1	HOUGH	470898	153334R1	IH	240733	15440	C-R	710046	15511791	GMC	472636!
15294A	C-R	471539!	15338	C-R	452222!	154437R91	IH	471224!	15512	C-R	40X50X8!
152953	US-EL	472070	1534	C-R	HU008A	15445	C-R	1126	15512	C-R	710158
15296A	C-R	471442!	15341	C-R	470059	15445	C-R	710120	15512274	GMC	476023V!=
15298	C-R	710309	15341	C-R	470380	15450	C-R	472635	15512423	GMC	100263

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

15512423 – 15588693

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
15512423	GMC	3905	15527580	GMC	481181!	15527652	GMC	2081	1554005	ITM	224820
15512458	GMC	4561V	15527581	GMC	204017	15527653	GMC	417158!	1554005	ITM	48X62X8!
15512458	GMC	473274!	15527582	GMC	473367	15527654	GMC	417158!	155402	HYST	J1111
15513351	GMC	722250	15527583	GMC	473367	15527655	GMC	417134	155403	HYST	412920
15515	C-R	473517!	15527584	GMC	473010!	15527656	GMC	2674	15541	C-R	472299*
15516	C-R	473517!	15527585	GMC	473234	15527657	GMC	416500	15542	C-R	472299
15517	C-R	473517!*	15527586	GMC	450400	15527658	GMC	417349!	15542	SIDEW	471692!
15518	C-R	473517*	15527587	GMC	42352S	15527659	GMC	415995!	15543	C-R	472299
15519013A	HARWA	155X190X15	15527588	GMC	9845	15527660	GMC	8976S	15543	EMRSN	472299
15519908	GMC	370011A	15527589	GMC	472164!	15527661	GMC	416297	15544	C-R	40438S
15519910	GMC	370011A	15527590	GMC	472164	15527663	GMC	5313	15546	C-R	2506
1552001	ITM	224550	15527591	GMC	472164	15527664	GMC	6358	15546800	GMC	9613S
1552001	ITM	45X65X8!	15527592	GMC	472193!	15527665	GMC	416292	15549	C-R	472299
15520072	GMC	370145A	15527593	GMC	472179	15527666	GMC	415085!	15550	C-R	472299
15521	C-R	472213	15527594	GMC	471141!	15527666	GMC	456648	15550869	GMC	370003A
15521874	GMC	710102	15527595	GMC	472747	15527667	GMC	455249!	15551	C-R	472299
15521904	GMC	710106	15527596	GMC	2942	15527668	GMC	455858	15551435	GMC	473471
15522	C-R	472213	15527597	GMC	472439	15527669	GMC	415146!	15557	C-R	450666*
15522060	GMC	4762N	15527598	GMC	331227H	15527669	GMC	415991	15557677	GMC	370003A
15522062	GMC	710105	15527599	GMC	7107A=	15527670	GMC	415991	15557678	GMC	370023A
15523	C-R	472213	15527600	GMC	414045!	15527671	GMC	415437	155577	HYST	471538!
15524	C-R	472213	15527601	GMC	6808N	15527672	GMC	417355!	15557LUP	JN-MN	472164!
15524A	C-R	415697!	15527602	GMC	473459	15527672	GMC	485497	15558LUP	JN-MN	450446
15524A	C-R	455547	15527603	GMC	472394	15527673	GMC	415983N!	155627A	OLIVE	417344!
155256	HYST	415498	15527604	GMC	471424!	15527674	GMC	2377	155627A	WHITE	417344!
15526364	GMC	415234!	15527605	GMC	472924!	15527675	GMC	415379!	15563	C-R	450666*
15526365	GMC	415960	15527606	GMC	470530!	15527676	GMC	415697!	15566LDS	JN-MN	471271!
15526366	GMC	417484!	15527607	GMC	470530!	15527677	GMC	415958!	15569	C-R	471821!
15526367	GMC	100494	15527608	GMC	473463	15527677	GMC	415958	1557	ALOY	6808N
15526367	GMC	476470!	15527609	GMC	410102	15527678	GMC	456618	15570	C-R	471821!
155265TB	TRSCM	8695S	15527610	GMC	6954S	15527679	GMC	417506	15574LUP	JN-MN	455037
15527296	GMC	727410	15527611	GMC	5756	15527680	GMC	6864S	15575957	GMC	415991
15527297	GMC	470954	15527612	GMC	470898	15527681	GMC	417530	15577SA	SPG	415577
15527541	GMC	471554!	15527613	GMC	470898!	15527682	GMC	415351!	15579	C-R	471821!
15527542	GMC	471231!	15527614	GMC	470898	15527683	GMC	7006S	15579788	GMC	710046
15527543	GMC	471267!	15527615	GMC	410308!	15527684	GMC	2297V!	155801	CH MA	410496!
15527545	GMC	472311!	15527615	GMC	473468	15527755	GMC	370132A	155802	CH MA	350936
15527546	GMC	471224!	15527616	GMC	410308!	15527763	GMC	415958	15580225	GMC	714503
15527547	GMC	471649!	15527617	GMC	472409	15527780	GMC	370124A	15580226	GMC	330385!
15527548	GMC	471689!	15527618	GMC	3103!	15527781	GMC	416888	155803	CH MA	8597S
15527549	GMC	471760	15527619	GMC	471341!	15527LDS	JN-MN	455406!	15580329	GMC	714503
15527550	GMC	472560N	15527621	GMC	410737!	15528	BU-SP	472439	15580381	GMC	472572
15527551	GMC	470712!	15527622	GMC	410737!	155280	JEFF	416288!	155805	CH MA	471351!
15527552	GMC	471763	15527623	GMC	472636!	15529	BU-SP	415379	155806	CH MA	472164!
15527553	GMC	471785!	15527624	GMC	44052	1553	CALI	416107!	155807	CH MA	473228!
15527554	GMC	473425	15527625	GMC	411253!	1553	CALI	455073	155807A	OLIVE	416339
15527555	GMC	471765!	15527626	GMC	493291	15530	C-R	200887	155809	CH MA	481163!
15527556	GMC	240356	15527627	GMC	493637	15530288	GMC	710281	155810	CH MA	410308!
15527557	GMC	322353	15527628	GMC	413246	155314	HYST	472015!	155813	CH MA	7537S
15527557	GMC	474278!	15527629	GMC	412119!	155316PSB	TRSCM	5778	155819	CH MA	6371=
15527558	GMC	7412S	15527630	GMC	410987!	155318A	OLIVE	450073	155820	CH MA	471835!
15527559	GMC	471750!	15527631	GMC	5487	155318A	WHITE	450073	15582172	GMC	6358
15527560	GMC	471766!	15527632	GMC	471271!	15533	C-R	472299	15582232	GMC	415960
15527562	GMC	471795	15527633	GMC	415449!	155331A	OLIVE	416125!	15582257	GMC	710304
15527563	GMC	6370N	15527634	GMC	415449!	155331A	WHITE	416125!	155831	CH MA	340817
15527564	GMC	472354!	15527635	GMC	8975S	15533564	GMC	415082	15583783	GMC	9316
15527565	GMC	482163!	15527636	GMC	455079!	15534	C-R	472299	155838	CH MA	471272!
15527566	GMC	472258!	15527637	GMC	5401	15534471	GMC	HU042A	15583894	GMC	100263
15527567	GMC	471192	15527638	GMC	411330!	155346	HYST	417343!	15583894	GMC	4562V
15527568	GMC	473214!	15527639	GMC	451143	155346A	OLIVE	473473	155843	CH MA	6575S
15527569	GMC	473215	15527640	GMC	413248	155346A	WHITE	473473	155846	CH MA	473235!
15527570	GMC	6241S	15527641	GMC	415458!	15535	C-R	8935S	15585	C-R	471821!
15527571	GMC	473258!	15527642	GMC	415458!	15535	TMTR	471763	155856	CH MA	473454!
15527572	GMC	474276	15527643	GMC	9773	15535300	GMC	415995	155862	CH MA	416339
15527573	GMC	470625!	15527644	GMC	455008	15536	CATER	472397!	155863	CH MA	472636!
15527574	GMC	340136	15527645	GMC	417484!	15536	TMTR	472397!	1558633	GMC	415088
15527575	GMC	470380!	15527646	GMC	417484!	155361	HYST	JX1190	15588359	GMC	710101
15527576	GMC	470059	15527647	GMC	417316!	155371	HYST	415867	15588691	GMC	370199A
15527576	GMC	470380!	15527648	GMC	2222	15538	C-R	472299*	15588691	ROCKW	370199A
15527577	GMC	9613S	15527649	GMC	415960!	155384	AMC	471141!	15588692	ACDEL	370211A
15527578	GMC	471827	15527650	GMC	415960	15539	C-R	40438S	15588692	GMC	370211A
15527579	GMC	473229!	15527651	GMC	415960!	15540	C-R	472299	15588693	GMC	370212A

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	
155887	HOUGH	415938	156275SA TRSCM	473441	15668LUP JN-MN	471649!	157305 WITTE	411245!
155887H2	HOUGH	415938	15628LDS JN-MN	416891!	1567 ALOY	9150S	15730504 GMC	370199A
155887H2	IH	415938	1563 ALOY	6954S	15676 C-R	450143	15731 C-R	450545*
15589475	GMC	6358	15634 C-R	473229	15676LUP JN-MN	416313	15733 C-R	224063
15589666	GMC	710103	15634020 GMC	4525V	15677 C-R	450143*	15735 C-R	471316*
15590 C-R		471821!	15634058 GMC	473237	15679880 GMC	370003A	15736 C-R	710505
1559008	ONAN	473445	15634LDS JN-MN	472394	15679881 GMC	370023A	15737 C-R	4764
15591 C-R		471821!	15635 C-R	473229	1568 C-R	HU031A	1574 ALOY	7044NA
15592 C-R		471821!*	15635 C-R	473229*	15680A MASSE	330385!	15741 C-R	3459
15594384	GMC	473471	15635 C-R	711552	156846R91 IH	240816	15742 C-R	3459
15595878	GMC	470530	15635260 GMC	714655	1568501A SIDEW	473215!	15744 C-R	6336S
1559802	ITM	1955	15635281 GMC	470530	15686 C-R	470682	15744A MASSE	471192
1559802	ITM	52X65X9!	15635334 GMC	415449	15687 C-R	470682	15746 C-R	473677
1559809	ITM	1012	15635337 GMC	7412S	15687419 GMC	370048A	15748 C-R	450803
1559809	ITM	1012N	15635377 GMC	7412S	15687419 GMC	380048A	15749 C-R	450803
1559819	ITM	BS40382	15636443 GMC	224850	1568762 CHRYS	472354!	157496R91 IH	415995!
155R	TIMKE	155PKG	1564 C-R	HU037A	15688S SPG	418028	15750 C-R	3459
155X190X15	SIMRT	155X190X15	1564114 CLARK	413247!	1569 C-R	HU036A	15752 C-R	473441
15600 C-R		471827!	15641LPD JN-MN	417210!	1569 CLSON	471526!	15753 C-R	1216
156004	GMC	416921!	15642 C-R	473229!	15690 C-R	42X80X8	15753 C-R	1216N
156005	GMC	415284	15643 C-R	473229!	15692 C-R	470682	15760 C-R	473441
15601 C-R		471827*	15644A MASSE	471192	15693A MASSE	50199S!	15761 C-R	473441*
156019	GMC	417344!	15646 FMC	417344!	15693A MASSE	6863S!	15764 C-R	450273
156020	GMC	473243	15648 C-R	40185	15698 C-R	470682	15765 C-R	450273
15602640	GMC	5682	15649 C-R	42364S=	1569894 CHRYS	340797	15766 C-R	450273
156042	HYST	413247!	1565 ALOY	442380	15699 C-R	470682	15767LDS JN-MN	473234!
15604806	TROS	470390	1565 C-R	HU066A	1569915 CHRYS	410308!	15769 C-R	450273
15605 C-R		471827*	15651 C-R	473229!	156B12404 TROS	472354!	1577 ALOY	5778
156082	US-EL	471821!	15651660 GMC	4739	156D6 WHITE	415041	15770LDS JN-MN	473229!
1561 C-R		471270!	15651661 GMC	4740	156ML14 C-R	472560N!	15771 C-R	471827
15610004	TROS	471733	1565254 CHRYS	5471 \$	1570 ALOY	2955	15773 C-R	473442!*
15610007	TROS	471733	156533 IH	472397!	1570 C-R	HU034A	15774 C-R	473442!*
15610807	TROS	470712!	15654 C-R	473229!	15702 C-R	6336S	15775 C-R	473442!
15611171	GMC	370008A	15655 C-R	473229!	15703555 GMC	370023A	15776 C-R	473442!*
15611204	TROS	472475	15655172 GMC	4740	15703555 GMC	380023A	15777 C-R	471827
15611205	TROS	472475	156553C91 IH	472397!	15707 C-R	471316*	15779 C-R	473442
15611604	TROS	471737	15656 NATL	415656	157078 HOUGH	417269!	15780 C-R	473442
15612 C-R		450188	15656 WMG	415656	157078H1 HOUGH	417269!	15780 C-R	5778
15612007	TROS	473423	15657 BU-SP	470625!	157078H3 IH	417269!	15781 C-R	473442!
15612404	TROS	472354!	15658 BU-SP	412119!	157103 HOUGH	6590S	15784 C-R	6808N
15612406	TROS	472354!	156599 GOODM	471138!	157103H1 HOUGH	6590S	157844 HYST	417316!
15612407	TROS	472354!	15660 C-R	200640	157106 HOUGH	472924!	1578532 CLARK	370002A
15613 C-R		471827!	156602 HOUGH	415458!	157106H1 HOUGH	472924!	15788 C-R	5778
15613203	TROS	253099	156602H2 HOUGH	415458!	157106H2 HOUGH	472924!	157884 HYST	417316!
15614 C-R		472560N!	15661460 GMC	4333N	157106H3 IH	472924!	1579 ALOY	410059
15614M1	BUC-E	472560N!	15661495 GMC	710211	157113H1 IH	204078=	1579 ALOY	470380!
15614M1	C-R	472560N!	1566167 CLARK	472258!	157120H2 IH	473517!	15790 C-R	474133
15616050	GMC	714512	1566169 CLARK	473197	157136 AUTOZ	35126	15791 C-R	5778V
156168	HYST	417278	1566172 CLARK	470950!	157137 AUTOZ	35162	15796 C-R	3459
15617178	GMC	6759S	1566172 CLARK	6241S	157141 JEFF	417210!	15800 C-R	224052
15617869	GMC	5682	1566175 CLARK	470380!	157141 SUL	417210!	15801 C-R	224015
15620 C-R		471827!	1566179 CLARK	470596	157145 AUTOZ	35261	15801LDS JN-MN	416167!
156200	HYST	416229	1566181 CLARK	472164!	157166A WHITE	472492!	15802 C-R	224015
156202SB	TRSCM	8421S	1566190 CLARK	472492!	15719 C-R	471316	15802 C-R	239201
156202VB	TRSCM	7994S	1566195 CLARK	415349	15721 C-R	481397*	15802 C-R	4175*
156202VSB	TRSCM	330749V	1566199 CLARK	415234!	157217 AUTOZ	16215	15803 C-R	1217
156205	HYST	471424!	1566208 CLARK	417082	157218 AUTOZ	16216	15804 C-R	224010
156210A	OLIVE	471554!	1566211 CLARK	416664!	15722 C-R	471579*	15805 C-R	1962
156210A	WHITE	471554!	1566221 CLARK	417247!	157220 AUTOZ	16269	15805 C-R	224015
156220	HYST	415897	1566224 CLARK	415458!	157221 AUTOZ	16268	15807 C-R	1213N
156220TZ	TRSCM	472213	1566225 CLARK	416107!	157223 AUTOZ	16316	15807 C-R	40X54X6!
156223	HYST	415458!	1566225 CLARK	455073	157224 AUTOZ	16217	15808 C-R	1178
156233TB	TRSCM	472299	1566231 CLARK	416345!	157227 AUTOZ	16267	15809 C-R	710284
156234	HYST	416339	15662465 GMC	4503N	15724 C-R	471498*	1581 C-R	HU028A
1562431SL	TRSCM	471821	1566326 GMC	9773	15724LUP JN-MN	417355!	1581 CHEL	472258
156243TB	TRSCM	471821!	15663537 GMC	370001A	15725 C-R	471316	15810 C-R	1213N*
156245TB	TRSCM	471827!	15665322 GMC	416654	157269R91 IH	471413	15810 C-R	40X54X6!
156252VHY	TRSCM	40185	15665326 GMC	9773	15728 C-R	471633!*	15810LUP JN-MN	415027
156253SB	TRSCM	472213	15665670 GMC	370005A	1572813 CATER	J2529	15815 C-R	224020
156253TB	TRSCM	473229!	15666 C-R	5790=	15729LDS JN-MN	472397!	15818 C-R	224020
156255SA	TRSCM	200640	1566687 CLARK	417040	1573 ALOY	331107N	15819 C-R	473677
15626 C-R		471827	156670R91 IH	473459	15730 C-R	471316	1582 WHITE	470565!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
15820	C-R	40X55X8!	15864	C-R	712011	159563	JEFF	415725!	15X28X7SC	TRSCM	15X28X7
15820	C-R	473677	15865	C-R	40X78X10!*	159566	JEFF	471267!	15X28X7TC	TRSCM	15X28X7
15821	C-R	40X55X8V	15865	C-R	40X78X8!	159568	JEFF	417357	15X30X7SB	TRSCM	15X30X7
15822	C-R	224020	15866	C-R	1036	159568	JEFF	455192!	15X30X7SC	TRSCM	15X30X7
15822	C-R	40X55X8!	15867	C-R	1146	15957	C-R	450065	15X30X7TC	TRSCM	15X30X7
15822A	C-R	472015!	158685	ALLCH	415991	159572	HYST	416624!	15X32X7AN(35)	ISP	15X32X7
15823	C-R	224020	158685	ALLCH	455146!	15960	C-R	482253	15X32X8SC	TRSCM	15X32X8
15823	C-R	40X55X8!	15869	C-R	40X60X10*	159604	JEFF	472924!	15X32X8TC	TRSCM	15X32X8
15825	C-R	712551	15870	C-R	40X80X10	159614	ALLCH	416339	15X35X7SC	TRSCM	15X35X7
15826	C-R	224026	15871	C-R	40X80X10V	159614	ALLCH	455031!	15X35X7TC	TRSCM	15X35X7
158262	JEFF	471281!	15872	C-R	40X80X10	159615	ALLCH	415072	15X37X6SC	TRSCM	15X37X6
15827F	OSHKO	415725!	15873	C-R	40X80X10V	15965961	GMC	370008A	15X37X6TC	TRSCM	15X37X6
15828	C-R	712551	15874A	MASSE	415458!	15968	C-R	451469*	15X484	MINNM	473450!
15830	C-R	40X57X10	15874X	MASSE	415458!	15969	SPICE	42763	16 WGEAR		471692!
15830	C-R	710432	15876	C-R	40X58X10	159691	SPICE	473444	16-5600-6	CNTIR	S-1012N
15835	C-R	3459	15876SA	SPG	415876	159693	SPICE	42763	16-5601-4	CNTIR	S-1126
15835	C-R	40X58X10!	15877	C-R	40X80X10*	159697	SPICE	42763	16-5602-2	CNTIR	S-1174
15835	C-R	40X58X8	15878	C-R	40X68X12	159727	JEFF	415303!	16-5603-0	CNTIR	S-1177
158354A	OLIVE	470954!	15880	C-R	40X85X8	159728	JEFF	417487	16-5604-8	CNTIR	S-1181
158354A	WHITE	470954!	15881	C-R	1213N	15973123	GMC	370120A	16-5605-6	CNTIR	S-1183
158358A	OLIVE	471224!	15882	C-R	712011	15975	C-R	450274*	16-5606-4	CNTIR	S-1188
158358A	WHITE	471224!	15882	C-R	712020	15978	C-R	710227	16-5607-2	CNTIR	S-1196
15836	C-R	3459	15883	C-R	712011	1598	KINNR	415995!	16-5608-0	CNTIR	S-1205N
15838	C-R	3459	15884G	P-C	TCS45483	15980	BU-SP	473467!	16-5609-8	CNTIR	S-1213N
15839	C-R	224040	15885	C-R	40X88X8	15981	BU-SP	415449!	16-5610-2	CNTIR	S-1217
15839	C-R	40X60X10!	15886	C-R	710113	15981A	MASSE	450400	16-5611-0	CNTIR	S-1883
15839LUP	JN-MN	415447	15887	C-R	710134	15982	BU-SP	416865!	16-5612-8	CNTIR	S-1884
15840	C-R	224040	15889LUP	JN-MN	411376!	15982769	GMC	370003A	16-5613-6	CNTIR	S-1932
15840	C-R	40X60X10!	1589	C-R	HU005A	15982869	GMC	370003A	16-5614-4	CNTIR	S-1948
15841	C-R	710147	15890	C-R	40X90X8	1599	ALOY	9912	16-5615-2	CNTIR	S-1950
158411	GOODM	417541	1589010	OSHKO	HU110A	15990004	GMC	370008A	16-5616-0	CNTIR	S-1953
158412	GOODM	471506	15891	C-R	224066	15992A	MASSE	450516	16-5617-8	CNTIR	S-1955
158417A	CLARK	455079!	15894G	P-C	TCS45483	15993A	MASSE	472015!	16-5618-6	CNTIR	S-1956
15842	C-R	710147	15896	NPG	4333N	15994	OLIVE	450129	16-5619-4	CNTIR	S-1960
15843	C-R	710202	15899NA	SPG	415899N	15994	OLIVE	472826!	16-5620-8	CNTIR	S-1962
15844	C-R	710147	15899NA	SPG	416624	15995	C-R	7456N	16-5621-6	CNTIR	S-1973
158444A	OLIVE	473231!	15899SA	SPG	415899N	15A10671	MINNM	204008	16-5622-4	CNTIR	S-1984
158444A	WHITE	473231!	15899SA	SPG	416624	15A11584	MINNM	470565!	16-5623-2	CNTIR	S-1987
15845	C-R	40X62X8!	1590	ALOY	9161	15A14589	MINNM	472258!	16-5624-0	CNTIR	S-1992
15846	C-R	40X62X8!	15900	C-R	4141	15A14589	WHITE	472258!	16-5625-8	CNTIR	S-1994
15846	C-R	710196	15902	C-R	710131	15A15742	MINNM	473473	16-5626-6	CNTIR	S-2002
15847	C-R	40X62X7	159035	ALLCH	417487	15A16195	MINNM	471224!	16-5627-4	CNTIR	S-2007
15848	C-R	224045	159036	ALLCH	471272!	15A72	MINNM	471750!	16-5628-2	CNTIR	S-203013
15849	C-R	1216	15904	C-R	43074S	15A8155	MINNM	415116	16-5629-0	CNTIR	S-203025
15849	C-R	1216N	15907J	DIA	6638S	15FM41A1	FAIRB	472951	16-5630-4	CNTIR	S-204013
15850	C-R	224100	15910	C-R	710436	15FM41A1	FAIRB	474252	16-5631-2	CNTIR	S-204017
15850	C-R	40X65X10!	15910LDS	JN-MN	415995!	15FM41A2	FAIRB	473016!	16-5632-0	CNTIR	S-204038
15850	C-R	474161	15910LDS	JN-MN	415995!	15FM41A4	FAIRB	416273!	16-5633-8	CNTIR	S-2043
15851	C-R	224045	15915	C-R	480581=	15G47	OSHKO	471689!	16-5634-6	CNTIR	S-2081
15851	C-R	40X62X8!	159178	HYST	416130!	15HU-027-008	GKN	714675	16-5635-4	CNTIR	S-2146
15852	C-R	224100	159183	HYST	416039	15JG-1	KEN	415991!	16-5636-2	CNTIR	S-223420
15852	C-R	40X65X10!	15920	C-R	710140	15JG-1	KEN	415991	16-5637-0	CNTIR	S-223542
15853	C-R	224068*	159200	JEFF	470059	15JG-2	KEN	471570!	16-5638-8	CNTIR	S-223543
15853	C-R	40X68X12!*	159200	JEFF	470380!	15JG-3	KEN	240731	16-5639-6	CNTIR	S-223605
15854	C-R	40X68X12	159213PSL-H	TRSCM	480581	15JG-4	KEN	417349	16-5640-0	CNTIR	S-223830
15854	C-R	40X68X8!	15924	C-R	471498*	15JG-5	KEN	471224	16-5641-8	CNTIR	S-223840
15855	C-R	40X70X8	15925A	C-R	474272	15JG-6	KEN	415983N!	16-5642-6	CNTIR	S-224015
158550	ALLCH	472179	159295	HYST	45637S	15JG7	KEN	456744N	16-5643-4	CNTIR	S-224026
158556	CUMMI	415035=	15929LUP	JN-MN	417501	15M-11	SPICE	340356	16-5644-2	CNTIR	S-224235
15856	C-R	710196	15933	C-R	450065	15M-2	SPICE	340815	16-5645-0	CNTIR	S-224772
15857	C-R	40X72X7	159372	WAUKE	470625!	15M1	SPICE	472179	16-5646-8	CNTIR	S-224820
158577	HYST	9600S	15942	C-R	450065	15P562	MINNM	473467!	16-5647-6	CNTIR	S-225110
15858	C-R	224068*	159483	WAUKE	470645	15X24X7SC	TRSCM	15X24X7	16-5648-4	CNTIR	S-225225
15859A	C-R	470606!	1595	ALOY	473228	15X24X7TC	TRSCM	15X24X7	16-5649-2	CNTIR	S-225230
15859A	MASSE	472157!	15951	SIDEW	450492	15X25X5	ISP	15X25X5!	16-5650-6	CNTIR	S-226285
15859A	MASSE	472157	15952X	MASSE	472164!	15X25X5ASN	ISP	15X25X5	16-5651-4	CNTIR	S-22686
15860	BU-SP	415072	159533	JEFF	455079!	15X25X6SC	TRSCM	15X25X6	16-5652-2	CNTIR	S-2506
15860	C-R	350572	15953X	MASSE	473421	15X25X6TC	TRSCM	15X25X6	16-5653-0	CNTIR	S-2655
15860	C-R	40X72X7!	15954	C-R	450065*	15X25X7SC	TRSCM	15X25X7	16-5654-8	CNTIR	S-2658
15862	C-R	712011	15955	C-R	450065*	15X25X7TC	TRSCM	15X25X7	16-5655-6	CNTIR	S-2692
15863	C-R	474133	159556	JEFF	471267!	15X26X7SC	TRSCM	15X26X7	16-5656-4	CNTIR	S-2955
15864	C-R	40X75X8!	159562	JEFF	415725!	15X26X7TC	TRSCM	15X26X7	16-5657-2	CNTIR	S-3087

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
16-5658-0	CNTIR	S-3173	16-5731-4	CNTIR	S-7038SA	16018510A	HARWA	160X185X10	16072	C-R	473231
16-5659-8	CNTIR	S-3195	16-5732-2	CNTIR	S-7044NA	16019	C-R	224068	16073	C-R	473231
16-5660-2	CNTIR	S-3214	16-5733-0	CNTIR	S-710005	160196	JEFF	417134	16076	C-R	5115
16-5661-0	CNTIR	S-3227	16-5734-8	CNTIR	S-710067	1601M1	C-R	471649!	160763A	OLIVE	410308!
16-5662-8	CNTIR	S-331107N	16-5735-6	CNTIR	S-710072	16020	EATON	474276	160763A	OLIVE	473468
16-5663-6	CNTIR	S-331227H	16-5736-4	CNTIR	S-710073	16020	FULLE	474276	16078	C-R	473230
16-5664-4	CNTIR	S-331228H	16-5737-2	CNTIR	S-710091	16021	C-R	474133	16079	C-R	473231!
16-5665-2	CNTIR	S-334111	16-5738-0	CNTIR	S-710092	16022	C-R	224015	16079LDS	JN-MN	415683 *
16-5666-0	CNTIR	S-3357	16-5739-8	CNTIR	S-710096	16022A	MASSE	455079!	1608	C-R	HU065A
16-5667-8	CNTIR	S-3459	16-5740-2	CNTIR	S-710101	16023	C-R	710114	160809R91	IH	5405
16-5668-6	CNTIR	S-3543	16-5741-0	CNTIR	S-710105	16025	C-R	481644 *	16080LDS	JN-MN	415656
16-5669-4	CNTIR	S-3604	16-5742-8	CNTIR	S-710110	1602537	WHITE	472157	16081	C-R	473231
16-5670-8	CNTIR	S-3622	16-5743-6	CNTIR	S-710166	16026	C-R	480844 *	16081M	DIA	471271!
16-5671-6	CNTIR	S-3655	16-5744-4	CNTIR	S-710168	16027	C-R	473414 *	16082	C-R	473231
16-5672-4	CNTIR	S-3677	16-5745-2	CNTIR	S-722108	16027	C-R	710114	16083	C-R	710204
16-5673-2	CNTIR	S-3723	16-5746-0	CNTIR	S-722109	160273	HARRI	415234!	16084	C-R	473231!
16-5674-0	CNTIR	S-3743	16-5747-8	CNTIR	S-7300S	1602788	WHITE	412119 * =	16085	C-R	1192
16-5675-8	CNTIR	S-3747	16-5748-6	CNTIR	S-7412S	16028	C-R	471646	16085	C-R	473231
16-5676-6	CNTIR	S-3771	16-5749-4	CNTIR	S-7687S	16028M1	C-R	471646	16086	C-R	473231!
16-5677-4	CNTIR	S-3896	16-5750-8	CNTIR	S-7692S	16030	C-R	471647 *	16088	C-R	473231!
16-5678-2	CNTIR	S-3946	16-5751-6	CNTIR	S-7781S	16031	C-R	471648 *	16089	C-R	473231
16-5679-0	CNTIR	S-4072N	16-5752-4	CNTIR	S-7934S	16032	C-R	1950	16090	C-R	473231!
16-5680-4	CNTIR	S-4099	16-5753-2	CNTIR	S-8121S	16034	C-R	1180	16091	C-R	473231 *
16-5681-2	CNTIR	S-410308	16-5754-0	CNTIR	S-8181NA	16034	C-R	41X55X7!	16092	C-R	473231! *
16-5682-0	CNTIR	S-412920	16-5755-8	CNTIR	S-8312	160357A	WHITE	473232!	16097	C-R	473231
16-5683-8	CNTIR	S-4131	16-5756-6	CNTIR	S-8430S	16036	C-R	1180	16098	C-R	473231
16-5684-6	CNTIR	S-413248	16-5757-4	CNTIR	S-8460N	16037	C-R	710114	1609948C1	IH	370003A
16-5685-4	CNTIR	S-413470	16-5758-2	CNTIR	S-8516N	16038	C-R	710141	160X185X10	SIMRT	160X185X10
16-5686-2	CNTIR	S-4148	16-5759-0	CNTIR	S-8594S	16039	C-R	473694	160X185X10SC	TRSCM	160X185X10
16-5687-0	CNTIR	S-415009	16-5760-4	CNTIR	S-8610	1604	C-R	HU057A	160X185X10TC	TRSCM	160X185X10
16-5688-8	CNTIR	S-415960	16-5761-2	CNTIR	S-8611N	16040	C-R	8477S	160X190X15SC	TRSCM	160X190X15
16-5689-6	CNTIR	S-4160	16-5762-0	CNTIR	S-8660S	16041	C-R	710220	160X190X15TC	TRSCM	160X190X15
16-5690-0	CNTIR	S-416273	16-5763-8	CNTIR	S-8695S	16043	C-R	4143	160X200X12AN	ISP	160X200X12
16-5691-8	CNTIR	S-417158	16-5764-6	CNTIR	S-8704S	160433A	OLIVE	417343!	160X200X15SC	TRSCM	160X200X15
16-5692-6	CNTIR	S-4249	16-5765-4	CNTIR	S-8705S	160433A	WHITE	417343!	160X200X15TC	TRSCM	160X200X15
16-5693-4	CNTIR	S-4250	16-5766-2	CNTIR	S-8792S	16044	C-R	8835S	161	DALMO	350435
16-5694-2	CNTIR	S-4278	16-5767-0	CNTIR	S-8835S	16044G	P-C	TCS45472	16100	MICH	471442!
16-5695-0	CNTIR	S-4370N	16-5768-8	CNTIR	S-8871	16046	C-R	473694!	16100	UNIVE	471442!
16-5696-8	CNTIR	S-442109	16-5769-6	CNTIR	S-8974S	16047	C-R	472419	1610095	AMC	471570!
16-5697-6	CNTIR	S-442251	16-5770-0	CNTIR	S-9015S	1605	C-R	HU058A	16101	C-R	473231!
16-5698-4	CNTIR	S-442874	16-5771-8	CNTIR	S-9150S	160502	JEFF	471551!	1610187M1	MASSE	415995!
16-5699-2	CNTIR	S-444116	16-5772-6	CNTIR	S-9178S	16052	C-R	473230!	1610187M1	MASSE	415995!
16-5700-8	CNTIR	S-455086	16-5773-4	CNTIR	S-9316	160524A	OLIVE	416921!	161019	H-S	415303!
16-5701-6	CNTIR	S-470331N	16-5774-2	CNTIR	S-9406S	16053	C-R	473230!	161020A	OLIVE	415995!
16-5702-4	CNTIR	S-470361	16-5775-0	CNTIR	S-9449	16053	CLIN	474278!	16103	C-R	473367!
16-5703-2	CNTIR	S-470460	16-5776-8	CNTIR	S-9569S	160530A	WHITE	240319	16103	C-R	473367
16-5704-0	CNTIR	S-471224	16-5777-6	CNTIR	S-9613S	160539	AMC	472560N!	16103550	FREIG	471870!
16-5705-8	CNTIR	S-471271	16-5778-4	CNTIR	S-9845	1605397	GMC	9049	16104	NPG	4370N
16-5706-6	CNTIR	S-471424	16-5779-2	CNTIR	S-9864S	1605397	GMC	9049N	161052	ACF	340771
16-5707-4	CNTIR	S-473468	16-5780-6	CNTIR	S-9912	16054	C-R	481181!	161057	H-S	472924!
16-5708-2	CNTIR	S-473677	16-D19	LK-BT	416556!	160540	AMC	474278!	161058	H-S	471267!
16-5709-0	CNTIR	S-4740	16-D19	LK-BT	472157	160546	JEFF	416865!	161075	JEFF	472164!
16-5710-4	CNTIR	S-474134	16-D20	LK-BT	471192	16054G	P-C	TCS45472	161076	JEFF	470898
16-5711-2	CNTIR	S-4762N	160	C-R	BS1280	16058	C-R	473230!	161077	JEFF	455311
16-5712-0	CNTIR	S-4795V	1600149	WHITE	408	16060	C-R	204017	161079	JEFF	415995!
16-5713-8	CNTIR	S-4899	1600194	WHITE	408	160603	CUMMI	470954	16108	C-R	473367
16-5714-6	CNTIR	S-493291	1600255	WHITE	412119!	16061	C-R	1999	161080	H-S	470625!
16-5715-4	CNTIR	S-493637	16003	C-R	710444	16061	C-R	473230!	1611	C-R	471649!
16-5716-2	CNTIR	S-494117	1600780	WHITE	408	16062	C-R	473230!	161100A	OLIVE	340724!
16-5717-0	CNTIR	S-494123	1601	C-R	471649!	16063	C-R	205017	1611035	WOOL	416345!
16-5718-8	CNTIR	S-51098	16011	C-R	481650 *	16064	C-R	204017	1611035	WOOL	455033
16-5719-6	CNTIR	S-5121	16012	C-R	471651 *	16064G	P-C	TCS45472	161106	H-S	471466!
16-5720-0	CNTIR	S-5131	16012	CLIN	470328	16066	C-R	205017 *	16111	C-R	481650 *
16-5722-6	CNTIR	S-5604	16012	CLIN	481213!	16067	C-R	204017 *	16112	C-R	471651 *
16-5723-4	CNTIR	S-5697	16012LUP	JN-MN	473239!	16068	TRMBL	733067	161121	JEFF	470605!
16-5724-2	CNTIR	S-5778	160132	ALLCH	415146!	16069	C-R	204017	161124	JEFF	415995!
16-5725-0	CNTIR	S-6358	160132	ALLCH	415991	16069	C-R	205017	161125	JEFF	415991
16-5726-8	CNTIR	S-6712NA	16014	C-R	471652 *	160692H1	HOUGH	417555!	161125	JEFF	455146!
16-5727-6	CNTIR	S-6815	16014L	C-R	471652	16070	C-R	473231 *	16113	C-R	473367!
16-5728-4	CNTIR	S-6840S	16014M1	C-R	471652	16070	C-R	473231!	16113	C-R	473367
16-5729-2	CNTIR	S-6954S	16015	C-R	710241	16071	C-R	473231	16114	C-R	471652
16-5730-6	CNTIR	S-7022S	16017	C-R	710402	16071SA	SPG	416071	16115	JNSON	471224!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
16116	C-R	710102	1618683	CHRY	3103!	1624D	GOODM	472397!	16306LDS	JN-MN	415219
16117	C-R	473367*	16188	FMC	473227!	1625	CHEL	415449!	16307	C-R	473232!*
16117	C-R	473367	16188	SIDEW	473227	1625-10698LPD	JN-MN	55103S	163075	AMC	473435
16118	C-R	473367*	16189	C-R	471829	1625-15473STLUP	JN-MN	509756=	16308	C-R	473232!*
16118	C-R	473367	161919H2	IH	473231!	16250	C-R	473010	16310004	TROS	471744!
16119	C-R	473367!	16199	C-R	471829*	162503TB	TRSCM	473234!	16311207	TROS	473426
1611M1	C-R	471649!	161H1	C-R	471649!	162509	JEFF	417082	16311604	TROS	471750!
1611M1	MASSE	471649!	162	C-R	5453	16251	C-R	473010!	16311607	TROS	471750!
16120	C-R	473367V	162	DALMO	350364	16252	C-R	473010!	16311608	TROS	471750!
16121	C-R	473367!	16201	C-R	471829*	1625240	C-R	509756=	16311LUP	JN-MN	471602!
16121	C-R	473367*	16204	C-R	471829	16253	C-R	473010	16313	MCCOR	5587
1612170M1	MASSE	200188=	162052	JEFF	471689!	1625380	C-R	55103S	16313204	TROS	474276
1612172M1	MASSE	416125!	162075	AMC	473435	16253TB	TRSCM	473010!	16313207	TROS	474276!
1612223	CHRY	471646!	162075	JEFF	471870!	16253VTB	TRSCM	473010	16313208	TROS	474276!
161222SC	TRSCM	1181	162080	AMC	473435	16254	C-R	473010!	16314	C-R	473232!
16125	C-R	481644*	16209	C-R	6513*	162550	C-R	55103S	16315	C-R	473232!
16125	MICH	471472!	1620D5	WHITE	412119	16257	C-R	473010	163196	US-EL	476470!
16125	UNIVE	471472!	1621	C-R	471649!	16257F	DIA	472924!	163196	US-EL	476470
161255SZ	TRSCM	8835S	16210	C-R	471829*	16258	C-R	473010	163207B	HARWA	16X32X7
16126	C-R	471645*	16211	C-R	481650	1625840M1	MASSE	415150!	163207XX	TIMKE	16X32X7
16127	C-R	473414*	16211407.5	TROS	203016	162601	JEFF	471554!	16322	C-R	40568S
16128	C-R	471646	16211607.5	TROS	6906S	162602	JEFF	472810!	16325	C-R	473232!
1612823C1	IH	370131A	162116X07.5C	TROS	6906S	162603	JEFF	471549!	16327	C-R	473232
16128M1	C-R	471646	162118	AMC	473367!	162607XX	TIMKE	16X26X7	16328	C-R	473232
16130	C-R	471647*	162118	AMC	473367	16262	C-R	714569	163295	WOODB	471652
16131	C-R	471648*	16212	C-R	471651	16263	C-R	473010!	16330	C-R	40568S
161310	H-S	417210!	162128	CUMMI	415458	16263J	DIA	417355!	16331	C-R	473232!
16132	C-R	473367!	16212SB	TRSCM	481181!	16263TB	TRSCM	473232!	16332	C-R	473232!
16132	C-R	473367	16214	C-R	471652	16264	C-R	473010!*	16333	C-R	481864
161323	AMC	471827	16217	C-R	473367	16265	C-R	473010!*	16334	C-R	481864
1613239M1	MASSE	40097S	16217	C-R	473367!	1626520UB	TRSCM	200886	16335	C-R	473232!
16134	C-R	473367	16219	C-R	473367!	162668	JEFF	471570!	163351	PACIF	470334!
1613409	CHRY	6840S	16219	C-R	473367	162683SB	TRSCM	481864	163353	PACIF	55329=
16137	C-R	473367!	1621M1	C-R	471649!	16268SS	JN-MN	411253!	16336	C-R	473232!
16137	C-R	473367	1621Y2	C-R	471649!	16269LDS	JN-MN	417210!	16337	C-R	481864*
16137	MICH	471549!	162204XX	TIMKE	16X22X4	1627159M1	MASSE	311189	16339	C-R	481864
16137	UNIVE	471549!	1622222	GMC	9599S	16272SB	TRSCM	40286	163391	PACIF	480581
16138	C-R	473367!	16223	C-R	473367!	16273TB	TRSCM	473236!	163392	PACIF	416041
16138	C-R	473367	16223	C-R	473367	16275	C-R	473010!	16340	C-R	481864
16141A	MASSE	470625!	162231	JEFF	474253	1627806	GMC	710075	16341	PACIF	341022
161452	H-S	240119	16223TB	TRSCM	473230!	1627827	GMC	710263	16342	C-R	5727
1614578	GMC	3907	16223VSB	TRSCM	473230	16279	TRMBL	HU009A	163421	PACIF	416267!
1614579	GMC	3907	16225	C-R	481644	16280	C-R	473010	1634210	PACIF	417601
16146	C-R	4762N	16226	C-R	471645	162807XX	TIMKE	16X28X7	1634211	PACIF	417605
16148	C-R	473367	1622631	GMC	710263	16281	C-R	473010	1634212	PACIF	415482
16150	C-R	473367!	16227	C-R	473414	16283TB	TRSCM	473444!	1634215	PACIF	415962
16150	C-R	473367	16228	C-R	471646	16284	C-R	204500!	1634216	PACIF	471504
1615116	GMC	3606	162285	LEYLD	330385!	16284	C-R	291099*	1634217	PACIF	417357
16153	C-R	473367	16228B	C-R	471646	16285	C-R	6356	1634219	PACIF	471466!
16155	CLAYN	471271!	162290	JEFF	471231!	16286	C-R	200641	163422	PACIF	413246
16156	CHRY	7300S	16230	C-R	471647	16287	C-R	8835S	1634220	PACIF	415001!
16156	NEWPR	2465	16231	C-R	471648	162874A	OLIVE	473517=	1634221	PACIF	472258!
16159LPD	JN-MN	471504	16233TB	TRSCM	473231!	162874A	WHITE	473517*=	1634223	PACIF	415043
161673	Y-T	417344!	16234VHY	TRSCM	205017	162875A	OLIVE	410496=	1634225	PACIF	416154!
16168	C-R	473367	16235	TRMBL	370023A	162875A	WHITE	410496=	1634226	PACIF	415867
161686	EATON	100495	16235SA	TRSCM	473231	162876A	OLIVE	472150=	1634227	PACIF	417484!
161686	EATON	417349	162389	JEFF	472439	162876A	WHITE	472150=	163423	PACIF	416664!
161686	Y-T	417349	162402	JEFF	415867	16289	C-R	204500*	163424	PACIF	417316!
16173	C-R	473367!	162405XX	TIMKE	16X24X5	16289	C-R	291099*	163425	PACIF	417134
16173	C-R	473367	162406XX	TIMKE	16X24X6	16289	C-R	4763S	163426	PACIF	476470!
16177	EATON	412473=	162407A	HARWA	16X24X7	16291	C-R	473232!	163426	PACIF	476470
16177	FULLE	412473!	162407XX	TIMKE	16X24X7	16293	C-R	473232!	163428	PACIF	416380!
16178	C-R	473367!	16240J	DIA	472144!	16295	C-R	714679	163429	PACIF	417254
16178	C-R	473367	16241LUP	JN-MN	473235!	16296	C-R	473232	1634310	PACIF	411376!
161781	CUMMI	473016=	16242LDS	JN-MN	417316!	16297	C-R	473232	1634311	PACIF	455079!
16179	C-R	473367!	16243TB	TRSCM	473367	162228	C-R	471646!	1634312	PACIF	415458!
16179	C-R	473367	16244	C-R	6356	163	DALMO	50199S!	1634313	PACIF	415984!
16179STLUP	JN-MN	455966	162443TB	TRSCM	471829	163	DALMO	6863S!	1634314	PACIF	417316!
16180	C-R	471829*	16245	C-R	473010!	163007XX	TIMKE	16X30X7	1634315	PACIF	455310
16184	C-R	473367	16246	C-R	473010!	16303SA	TRSCM	414268	1634316	PACIF	418028
16184	C-R	473367!	16247	C-R	473010	163062A	OLIVE	455134=	1634316	PACIF	455137!
16186	C-R	471829	16249	C-R	473010	163062A	WHITE	455134!	1634317	PACIF	418028

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
1634318	PACIF	417191	164007XX TIMKE	16X40X7	16509	C-R	42X58X7!
1634318	PACIF	455165!	16405	C-R	473444	16511	C-R
1634319	PACIF	415437	16406	C-R	473444!	16511	C-R
1634320	PACIF	415027	164063	ALLCH	417597	165118	ALLCH
1634320	PACIF	415027!	16416	C-R	450415	16512	C-R
1634321	PACIF	415379!	16416	NPG	710046	165122A	OLIVE
1634321	PACIF	415379	16422	C-R	414268!	165122A	WHITE
1634322	PACIF	416339	16422	C-R	414268*	165123A	OLIVE
1634323	PACIF	417366!	164263PTB	TRSCM	8620N	165123A	WHITE
1634324	PACIF	415034!	16426SS	JN-MN	50199S!	165123A	WHITE
1634325	PACIF	417357	16426SS	JN-MN	6863S!	1651279C91	IH
1634325	PACIF	455192!	16428	C-R	450335	1651279C91	IH
1634326	PACIF	416891!	16431	C-R	450335	1651280C91	IH
1634327	PACIF	416154!	16432LUP	JN-MN	228010	1651281C91	IH
1634328	PACIF	415058	16433LUP	JN-MN	110X130X12	16513	C-R
1634331	PACIF	455290	16435	C-R	411978N=	16514	C-R
1634332	PACIF	417555!	16436	C-R	450540*	16515	C-R
1634333	PACIF	415072	164368	ALLCH	327303!	16515	C-R
1634334	PACIF	455480!	16438	C-R	450467	16515	C-R
1634335	PACIF	417601	1643G	OSHKO	415991	16516	C-R
1634336	PACIF	417605	1643G	OSHKO	455146!	16517	C-R
1634337	PACIF	416706!	16440	C-R	450467	16517	C-R
1634339	PACIF	450621	16447LUP	JN-MN	471270!	165175A	OLIVE
1634342	PACIF	470088	164513R1	NAVST	425RR	165175A	WHITE
1634348	PACIF	416892!	16452LUP	JN-MN	472016!	16518	C-R
1634349	PACIF	416239!	164544	JEFF	416332!	16519	C-R
163435	PACIF	470596	164567A	MINNM	330385	16519	C-R
1634351	PACIF	415294!	164639	HYST	JV1166	16520	SIDEW
1634352	PACIF	417600	164648	JEFF	476838!	16522	C-R
1634358	PACIF	471413!	16465LDS	JN-MN	473205!	16523	C-R
163436	PACIF	471504!	164662A	OLIVE	473459	16523	C-R
1634362	PACIF	455596=	16467LDS	JN-MN	473235!	16523	C-R
163437	PACIF	472164!	16472LDS	JN-MN	416294!	16523	C-R
163438	PACIF	473313	1647308	GMC	710262	16523	C-R
163439	PACIF	412027	1647311	GMC	710263	16524	OLIVE
16344	C-R	5727	1647477	GMC	710261	16525	C-R
1634631	SPICE	470774!	1648	ALOY	4148	16525	C-R
1634632	SPICE	413246	1648	ALOY	471424!	16525LDS	JN-MN
16349	C-R	474274	164848	WAUKE	J1129	165263PTB	TRSCM
16350	C-R	474274	164849A	WAUKE	455134!	16527	C-R
163507XX	TIMKE	16X35X7	164855	HOUGH	472016	16527	C-R
1635662	PACIF	455596=	164855H1	HOUGH	472016	16528	C-R
16358	C-R	40286	1648957	AMC	411253!	16528	EATON
16359	SIDEW	473231!	164918	JEFF	473214	16529	C-R
16362	C-R	40286	164919	JEFF	471795	16529	C-R
163625A	WHITE	J1119	16492	C-R	42X56X7*	16529	EATON
16364	C-R	474274!	16493	C-R	42X56X7V!	16530	C-R
163654	CUMMI	425RR	16494	C-R	224220	16530LDS	JN-MN
16365LUP	JN-MN	417020	16494	C-R	3774	16531	C-R
16367	C-R	474274	16494	C-R	710386	16531	SIDEW
16368	C-R	474274*	16495	C-R	42X55X8*	16532	C-R
16368	C-R	474274	1649628C1	IH	416158	16533	C-R
16370	EATON	476424N	1649628C1	NAVST	386025A	16533LUP	JN-MN
16371LUP	JN-MN	471141!	165	C-R	BS5974	16534	C-R
16373	C-R	450275	1650	DURA	471224!	16534	C-R
16374	C-R	450275*	16500	C-R	8620N*	16535	C-R
16374	TRMBL	HU013A	1650011	DURA	473446	16535LUP	JN-MN
1637536-24	SKF	370106A*	16502	C-R	224210	16536	C-R
163785	CUMMI	471984=	16503	C-R	1214	16536LUP	JN-MN
163807XX	TIMKE	16X38X7	16503	C-R	1214N	16537	C-R
16385	C-R	450819*	16503	C-R	42X55X8!	16539LUP	JN-MN
163871	HYST	417487!	165035	HYST	473229	16540	C-R
163871	HYST	417487	1650397	WGEAR	240462	16540LUP	JN-MN
163887	GMC	415035!	16504	C-R	3774	16541	C-R
163887	GMC	415035	16504	C-R	42X56X7!	16541LUP	JN-MN
16389	C-R	473444	16504	C-R	710386	16542	C-R
16390	C-R	473444	16505	C-R	224220	16542LUP	JN-MN
163912	HYST	473459	16505	C-R	42X56X7!	1654330C1	IH
16392	C-R	4674N	16506	C-R	494117	16543LUP	JN-MN
163A11406.5	TROS	203025	16507	C-R	3051N	16544LUP	JN-MN
163A11606.5	TROS	203029	16508	C-R	710097	16545	C-R
163C13204	TROS	41257!	16509	C-R	224235	16545LUP	JN-MN
16546	C-R	710186	165469	SPICE	410825	16546LUP	JN-MN
165469	SPICE	410825	16546LUP	JN-MN	417505	16547	C-R
16547LUP	JN-MN	417505	16547LUP	JN-MN	7457N	16547LUP	JN-MN
16547	C-R	7457N	16548	C-R	224235	16548	C-R
16548	C-R	224235	1654875C1	IH	710006	1654875C1	IH
1654875C1	IH	710006	1654887C92	IH	39930	1654887C92	IH
1654887C92	IH	39930	16548LUP	JN-MN	455197N	16548LUP	JN-MN
16548LUP	JN-MN	455197N	16549	C-R	710517	16549	C-R
16549	C-R	710517	16549LUP	JN-MN	455576!	16549LUP	JN-MN
16549LUP	JN-MN	455576!	1654G	OSHKO	415088!	1654G	OSHKO
1654G	OSHKO	415088!	1654G	OSHKO	415088	165510	JEFF
1654G	OSHKO	415088	165510	JEFF	473016!	1655102C1	IH
165510	JEFF	473016!	1655102C1	IH	370124A	16552	C-R
1655102C1	IH	370124A	16552	C-R	42X68X8	16553	C-R
16552	C-R	42X68X8	16553	C-R	710207	16554	C-R
16553	C-R	710207	16554	C-R	42X72X10V	16554LUP	JN-MN
16554	C-R	42X72X10V	16554LUP	JN-MN	455476*	16555	C-R
16554LUP	JN-MN	455476*	16555	C-R	224270	16555	C-R
16555	C-R	224270	16555	C-R	42X72X10!	16556	C-R
16555	C-R	42X72X10!	16556	C-R	450073*	16558	C-R
16556	C-R	450073*	16558	C-R	42X72X8	16559	C-R
16558	C-R	42X72X8	16559	C-R	452086	16561	C-R
16559	C-R	452086	16561	C-R	42X72X10	165618	HOUGH
16561	C-R	42X72X10	165618	HOUGH	471504	16562	C-R
165618	HOUGH	471504	16562	C-R	450284=	16563	C-R
16562	C-R	450284=	16563	C-R	450284=	16564	C-R
16563	C-R	450284=	16564	C-R	710245	16564	YARD
16564	C-R	710245	16564	YARD	471538!	16565	C-R
16564	YARD	471538!	16565	C-R	4615V	16565	C-R
16565	C-R	4615V	16565	C-R	710286	16566	C-R
16565	C-R	710286	16566	C-R	7300S	16567	C-R
16566	C-R	7300S	16567	C-R	340724!	16568	YARD
16567	C-R	340724!	16568	YARD	JV980=	165756A	OLIVE
16568	YARD	JV980=	165756A	OLIVE	JV980=	165756A	WHITE
165756A	OLIVE	JV980=	165756A	WHITE	200870	165757A	WHITE
165756A	WHITE	200870	16578	C-R	710502	16578	C-R
16578	C-R	710502	16579	MYERS	473197	16579	MYERS
16579	MYERS	473197	16590	C-R	42X80X10	16594	C-R
16590	C-R	42X80X10	16594	C-R	710133	165947R91	IH
16594	C-R	710133	165947R91	IH	471341!	165949R91	IH
165947R91	IH	471341!	165949R91	IH	415483!	16597	TRMBL
165949R91	IH	415483!	16597	TRMBL	370012A	16598LUP	JN-MN
16597	TRMBL	370012A	16598LUP	JN-MN	416135!	16599	C-R
16598LUP	JN-MN	416135!	16599	C-R	4099	165P3	WHITE
16599	C-R	4099	165P3	WHITE	7107A=	165X190X13CS	ISP
165P3	WHITE	7107A=	165X190X13CS	ISP	165X190X13	166-101	PYUNG
165X190X13CS	ISP	165X190X13	166-101	PYUNG	223606	166-102	PYUNG
166-101	PYUNG	223606	166-102	PYUNG	228008	166-103	PYUNG
166-102	PYUNG	228008	166-103	PYUNG	1108	166021	SIMPL
166-103	PYUNG	1108	166021	SIMPL	471231!	16605LUP	JN-MN
166021	SIMPL	471231!	16605LUP	JN-MN	456641	16607	EATON
16605LUP	JN-MN	456641	16607	EATON	473473	16610	C-R
16607	EATON	473473	16610	C-R	473234!	1661230	CHRY
16610	C-R	473234!	1661230	CHRY	5481\$	166202	AMC
1661230	CHRY	5481\$	166202	AMC	473435	16623	NPG
166202	AMC	473435	16623	NPG	472572	16624	BU-SP
16623	NPG	472572	16624	BU-SP	415991	16624	BU-SP
16624	BU-SP	415991	1663	ALOY	471271!	166300	NEHO
1663	ALOY	471271!	166300	NEHO	291099	16636LUP	JN-MN
166300	NEHO	291099	16636LUP	JN-MN	415483	166437R91	IH
16636LUP	JN-MN	415483	166437R91	IH	456618	166488A	WHITE
166437R91	IH	456618	166488A	WHITE	410496!	16650	C-R
166488A	WHITE	410496!	16650	C-R	353141!*	16650	C-R
16650	C-R	353141!*	16650	C-R	6084	166503	SPERY
16650	C-R	6084	166503	SPERY	471750!	1665375C91	IH
166503	SPERY	471750!	1665375C91	IH	4624V	16655	C-R
1665375C91	IH	4624V	16655	C-R	205017	1665544C1	IH
16655	C-R	205017	1665544C1	IH	710211	16656	C-R
1665544C1	IH	710211	16656	C-R	473317		

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
16657	C-R	473317	167-081	PYUNG	1990	168-166	PYUNG	710404	16862	TRMBL	733067
16657F	DIA	415960	167-094	PYUNG	710316	168-171	PYUNG	712007	168629	WAUKE	J1109
16658SS	JN-MN	416664!*	167-096	PYUNG	1932	168-172	PYUNG	221710	168630	WAUKE	473204=
16659	C-R	473317	167-098	PYUNG	2007N	168-1722	PYUNG	221710	16865	C-R	473235!
16660	C-R	203008	167-124	PYUNG	2011	168-173	PYUNG	228005	16865LDS	JN-MN	417600
166600A	WHITE	471272=	167-132	PYUNG	223801	168-175	PYUNG	223014	16866	C-R	473236!
16660M	CLARK	417548	16700	C-R	473445*	168-176	PYUNG	223608	16866	EATON	415995!
16662	C-R	204008	1671152C2	IH	415035	168-178	PYUNG	225010	16867	C-R	473236!
16665	C-R	203008	16713	C-R	473234!	168-181	PYUNG	225875	16868	C-R	473236!
16667	C-R	204008	167131H1	IH	476470	168-182	PYUNG	710401	168705	US-EL	455121
16668	C-R	473317	1671340	CHRYSS	6960	168-183	PYUNG	710270	16871	C-R	473234
1666808	CHRYSS	470898!	167141	BENDI	340210	168-211	PYUNG	224460	168720	WAUKE	472857H*=
16669	C-R	473233!	16715	C-R	473234	168-212	PYUNG	712007	16874G	P-C	TCS45472
16675	C-R	473445	16716	C-R	473234	168-213	PYUNG	222025	1688203C1	IH	370001A
16675	MYERS	471271!	167176	HYST	417602!	168-214	PYUNG	228005	16884	DANMA	204002
1667583	CHRYSS	417484!	1671763	CHRYSS	471827	168-217	PYUNG	710417	16884G	P-C	TCS45472
1667599	CHRYSS	416500	16719	C-R	473234	168-225	PYUNG	224255	16889	C-R	2012V
16676	C-R	473445	16719LDS	JN-MN	472144!	168-235	PYUNG	229005	16892	C-R	334111
1667620	CHRYSS	415449!	16720	C-R	473234!	168-236	PYUNG	223010	16893	C-R	2012V*
1667652	CHRYSS	471267!	16720LDS	JN-MN	417555!*	168-242	PYUNG	223018	16893	C-R	710264
1667670	CHRYSS	417484!	16725	C-R	2465	168-243	PYUNG	227235	16894	C-R	710291
1667704	CHRYSS	471570!	16725	C-R	7300S	168-245	PYUNG	223750	16895	C-R	43X57X8
1667863	CHRYSS	410308	167268H1	HOUGH	474276	168-249	PYUNG	228480	16897	C-R	320583
16679	C-R	473445	16727	C-R	7300S	168-252	PYUNG	224810	16897	C-R	43X60X8!
16680	C-R	473445	167302A	WHITE	8126S	168-253	PYUNG	223543	16898	C-R	224320*
1668181	CHRYSS	410737!	1673373	CHRYSS	470487!	168-271	PYUNG	3771	16899	C-R	473236!
1668311	FOOTE	471570!	16734	C-R	473234!	16800	C-R	473235!	16899F	DIA	456618
16683131	FOOTE	472572!	16735	C-R	712146	16801	C-R	473235!	16900	C-R	473236!
16683141	FOOTE	472144!	16738	C-R	473234	16805	C-R	473235	1690006	CHALL	355732
16683181	FOOTE	450313	1673838	CHRYSS	7886S	16806	C-R	473235!	1690006AM	CHALL	355732
16683201	FOOTE	471271!	16739	C-R	473234	1680802C1	IH	380003A	1690007	CHALL	415082
1668321	FOOTE	450039	16740LDS	JN-MN	415725!	1680802C1	NAVST	370003A	1690016	CHALL	415995!
16683211	FOOTE	455079!	16743	C-R	40154S	16811	C-R	473235	1690016AM	CHALL	415995!
16683231	FOOTE	416921!	167432	US-EL	415449!	16816	C-R	473235!	1690016BM	CHALL	415995!
16683241	FOOTE	416956	16743LPD	JN-MN	453182	16816LUP	JN-MN	417533	1690021	CHALL	472394
16683251	FOOTE	417349	16744	C-R	473234!*	168175	JEFF	415449!	1690021AM	CHALL	472394
16683261	FOOTE	415995!	16747	BU-SP	471472!	16818	C-R	200886	1690073	CHALL	473232
16683301	FOOTE	415027!	16747	C-R	2146	16820	C-R	7381S	1690074AM	CHALL	455005
16683301	FOOTE	415027	16751LUP	JN-MN	416130!	16821	C-R	474265	1690096	CHALL	471341!
1668331	FOOTE	471764!	16754	C-R	470460*=	168213KC	TRSCM	1183	1690096CM	CHALL	471341!
16683321	FOOTE	455134!	16757	C-R	9178S	168216	WHITE	473459	1690099	CHALL	417513
16683331	FOOTE	416888!	16759	C-R	473235!	16822	C-R	474265	16901	C-R	3622
16683341	FOOTE	415351!	167591A	WHITE	455472=	168224	ALLCH	474276!	1690114	CHALL	473231!
1668341	FOOTE	471795	16762LDS	JN-MN	416229	168233TB	TRSCM	473317	1690114AM	CHALL	473231!
1668351	FOOTE	473211!	16763LDS	JN-MN	417596	168235VHY	TRSCM	203008	1690143	CHALL	473229
1668361	FOOTE	471192	16764	C-R	473235!	168235VHY	TRSCM	204008	1690143AM	CHALL	473229
1668371	FOOTE	473215!	16765	C-R	473235!	168244SSB	TRSCM	473445	1690145	CHALL	471341!
1668391	FOOTE	473225!	16769C	DIA	417238	168255TB	TRSCM	2146	1690172AM	CHALL	415027
1668489	CHRYSS	471267!	16769SS	JN-MN	50199S!	168255TB	TRSCM	470460	1690172AM	CHALL	415027!
16684C	DIA	415458!	16769SS	JN-MN	6863S!	168258TBJ	TRSCM	7300S	1690190AM	CHALL	415027
16684W	DIA	473464!	16780	CHRYSS	714655	168263VHY	TRSCM	473235	1690190BM	CHALL	415027
16684W	DIA	473464	16780	NPG	714655	168265TB	TRSCM	473235!	16902	C-R	3622
166850	DIA	5M867	16781	CHRYSS	470530	1682683TL	TRSCM	474265	16902	CHAMP	9674
16685C	DIA	5M867	16781	NPG	470530	1682713SL	TRSCM	450765!	1690204	CHALL	350909
16689	C-R	473445	16785	C-R	473235!*	16834G	P-C	TCS45472	1690204	CHALL	471224!
16692	C-R	473445*	167980	ALLCH	50501	168354	HYST	476098N=	1690204AM	CHALL	350909
16693	TRMBL	AR10+370020A	168-054	PYUNG	2146	16841	C-R	474265	1690204AM	CHALL	471224!
16696	BU-SP	471224!	168-055	PYUNG	710335	16842	C-R	474265!	1690205	CHALL	417350!
16696	C-R	473445	168-056	PYUNG	710222	16842	C-R	474265*	1690205AM	CHALL	417350!
1669724	CHRYSS	470898!	168-057	PYUNG	712007	16847	C-R	450765!	1690213AM	CHALL	416339
1669851	CHRYSS	410308!	168-058	PYUNG	223240	16848	C-R	450765!	1690213AM	CHALL	455031!
16699	C-R	473445*	168-060	PYUNG	4244	16848	SIDEW	204013	1690214AM	CHALL	473010
167	C-R	BS5974	168-100	PYUNG	224020	1684LPD	JN-MN	416107!	1690215	CHALL	417487
167-033	PYUNG	228030	168-111	PYUNG	227235	1684LPD	JN-MN	455073	1690222AM	CHALL	410308!
167-037	PYUNG	1216N	168-112	PYUNG	3771	1684OS	JN-MN	416107!	1690223	CHALL	355737=
167-038	PYUNG	55X78X10	168-118	PYUNG	223543	1684OS	JN-MN	455073	1690224	CHALL	472409!
167-039	PYUNG	1973	168-120	PYUNG	474134	16853	C-R	450765!*	1690224AM	CHALL	410308!
167-071	PYUNG	1126	168-126	PYUNG	712007	16854	C-R	450765!*	1690293AM	CHALL	40169S
167-072	PYUNG	4990	168-127	PYUNG	222025	16855W	DIA	416271!	16903	C-R	473236!
167-073	PYUNG	710323	168-128	PYUNG	223014	168572	JEFF	473236!	1690305AP	CHALL	472492!
167-076	PYUNG	221620	168-156	PYUNG	320583	168574	JEFF	412943	1690465	CHALL	471341!
167-078	PYUNG	2007N	168-158	PYUNG	710361	168575	JEFF	415449!	1690467	CHALL	200122

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
1690467AP	CHALL	200122	169W11	C-R	470606!	1702+320-2702	STEM	380001A	1706014	HEIL	473426
1690468AP	CHALL	412040	169W12	C-R	470606!	17020LDS	JN-MN	415219	17062	NPG	224850
1690492	CHALL	327303!	16A3116	MTR-C	473454	17021	DGASK	5112	17062LUP	JN-MN	417597
1690492AM	CHALL	327303!	16A3373	FED	471231!	17021	DGASK	5112S	17064	DGASK	5390
1690493	CHALL	345035	16A3810	FED	450593!	170223PTBP	TRSCM	2955	17068	DGASK	5390
16905	C-R	43X69X8	16A7342	FED	470059	1702251	WHITE	470625!	1706933	HEIL	473228
1690531AM	CHALL	416154!	16A7342	FED	470380!	1702340	WHITE	415983N!	1707+2707	STEM	370023A
1690534AM	CHALL	473215!	16A7415	FED	471141!	1702530	WHITE	415995!	1707+320-2707	STEM	370023A
1690569	CHALL	415995!	16A7628	FED	471554!	1702740	OSHKO	415023	1707+320-2707	STEM	380023A
1690598AM	CHALL	416154!	16A7639	FED	473215!	1703	C-R	HU149A	170703	ALLCH	240319
1690659AM	CHALL	370020A	16B7400	FED	473462	1703+2703	STEM	370003A	17076	DGASK	473573
1690701AM	CHALL	370006A	16D19	FMC	416556!	1703+320-2703	STEM	370003A	1708	C-R	HU065A
1690752AM	CHALL	473227!	16D19	FMC	472157	1703+320-2703	STEM	380003A	1708+2708	STEM	370124A
169084	ALLCH	450104	16D20	FMC	471192	17030	DGASK	5111	17080	DGASK	716102
1691141C2	IH	415088	16M943	UNIVE	450593!	17030	DGASK	5111S	1708443	WHITE	412119!
1691143C1	IH	710008	16T12	ATHEY	412119!	1703035	HEIL	415449!	1708548	WHITE	470530!
1691144C2	IH	4624V	16X22X4SC	TRSCM	16X22X4	170304A	SELAS	710067	1709	C-R	HU003A
1691145C2	IH	415995	16X22X4TC	TRSCM	16X22X4	1703125	HEIL	415449!	1709	NATL	2064
169114C1	IH	710006	16X24X5AN(35)	ISP	16X24X5	17032	DGASK	5414	1709+2709	STEM	370037A
16912	C-R	470606!	16X24X6SC	TRSCM	16X24X6	1703213	HEIL	470954	1709+2709	STEM	370338A
16912M1	C-R	470606!	16X24X6TC	TRSCM	16X24X6	1703292	HEIL	470954	17090	C-R	9911S
16914	C-R	43X73X8	16X24X7	FORSH	16X24X7	17033	DICO	472193!	170910	ALLCH	471689!
16914G	P-C	TCS45472	16X24X7	SIMRT	16X24X7	170330	JEFF	471271!	17095	C-R	1198
16915	C-R	474260	16X24X7SC	TRSCM	16X24X7	1703339	WHITE	417171!	1709814	FMC	471643!
16916	C-R	470328	16X24X7TC	TRSCM	16X24X7	170337	ALLCH	481163!	170X200X15SC	TRSCM	170X200X15
16916	C-R	481213!	16X26X7SC	TRSCM	16X26X7	17034	C-R	470086*	170X200X15TC	TRSCM	170X200X15
16916M1	C-R	470328	16X26X7TC	TRSCM	16X26X7	17034	DGASK	5117	170X210X15SC	TRSCM	170X210X15
16916M1	C-R	481213!	16X28X7SC	TRSCM	16X28X7	1703454	WHITE	473179	170X210X15TC	TRSCM	170X210X15
16917	C-R	710142	16X28X7TC	TRSCM	16X28X7	17035	C-R	470086	1710+2710	STEM	370131A
16918	C-R	474278!	16X30X7SC	TRSCM	16X30X7	17035	DGASK	5127	17100	C-R	710067
16918M1	C-R	474278!	16X30X7TC	TRSCM	16X30X7	17037	C-R	710105	1710450	WHITE	6603*=
16918T5	C-R	474278!	16X32X7	SIMRT	16X32X7	17038	C-R	470687*	17106	C-R	2955
1691RC	SUL	417546!	16X32X7SC	TRSCM	16X32X7	1704	C-R	HU149A	17107	C-R	2955
169237	AU-WS	410059	16X32X7TC	TRSCM	16X32X7	1704+2704	STEM	370036A	17107	CATER	471689!
169237	AU-WS	470380!	16X35X7SC	TRSCM	16X35X7	1704+2704	STEM	370349A	17107	TMTR	471689!
169237	B-L-H	410059	16X35X7TC	TRSCM	16X35X7	1704+2704	STEM	380036A	171075R91	IH	471271!
169237	B-L-H	470380!	16X38X7SC	TRSCM	16X38X7	17040	C-R	450533*	171076R91	IH	471272!
16924	C-R	710159	16X38X7TC	TRSCM	16X38X7	17040	DGASK	473573	1711	C-R	HU024A
169240R1	NAVST	411	16X40X7SC	TRSCM	16X40X7	17041	C-R	450533	1711+2711	STEM	370048A
169256R1	SELAS	2146	16X40X7TC	TRSCM	16X40X7	17041	DGASK	710056	1711+320-2711	STEM	370048A
16926LPD	JN-MN	115X140X12	170000	SPG	712107	17042	DGASK	5116	1711+320-2711	STEM	380048A
1692G	OSHKO	471785!	17002	DGASK	5092	17043	DGASK	5118	17110	C-R	8121S
16930	C-R	50419	17004	SPICE	40566S	17046	DGASK	228005	1711035	WOOL	471349
169328	IH	JV1166	170041	SPICE	40566S	17048	DGASK	3772	17112	MICH	471530
169328C1	IH	JV1166	170046	JEFF	415138!	17040S	JN-MN	327303!	17112	UNIVE	471530
169329C91	CASE	200851	17006	DGASK	5132	1705	C-R	HU058A	17113	C-R	710193
169329C91	IH	200851	17007	C-R	471981	1705+2705	STEM	370065A	17113LUP	JN-MN	472636!
16933LUP	JN-MN	415449!	1700742	AVANT	5778	1705+2705	STEM	380065A	17115	C-R	6840S
169437	ALLCH	471795	17008	DGASK	5068	1705+2718	STEM	415058	17119	C-R	471744!
16945	C-R	473235	1700846	AVANT	473228	1705+327-2718	STEM	415058	1712+2711	STEM	370021A
16947A	C-R	470898	1700847	AVANT	9912	17050	C-R	450533*	1712+320-2712	STEM	370021A
16960	C-R	470596*	17009	C-R	470086	17050	DGASK	5108	1712+3712	STEM	370021A
169634	US-EL	412943	1700923	FMC	240470	17051	DGASK	5072	17122	C-R	224660
16976	EATON	473462	1701+2701	STEM	386025A	17053	C-R	3747	1712271	CHRY	470354
16976	FULLE	473462	1701+2701	STEM	416158	17053	DGASK	5337	17123	C-R	50327
16977	EATON	410737!	170117	JEFF	415937!	17053D	IH	471570!	17124	C-R	50327
16978	EATON	J1111	170122	JEFF	471766!	17054	DGASK	3909	171255TB	TRSCM	473336
16979	EATON	J1106	170123	JEFF	471689!	17054	DGASK	BS40380	171255VB	TRSCM	442251
16981	C-R	473446*	170129	ALLCH	450269	17054	DGASK	BS40620	1713	C-R	HU044A
16982	C-R	473446*	17013	DGASK	5591	17054LUP	JN-MN	450307	1713+2713	STEM	370019A
169847	JEFF	471538!	17014	DGASK	228020	1705540	WHITE	473464!	17130	C-R	44X58X8
16984LUP	JN-MN	473459	17015	DGASK	713750	1705540	WHITE	473464	17134M	DIA	415449!
16986LDS	JN-MN	417606	17015	DGASK	BS15868	1705548	WHITE	416271!	17135	C-R	450068
169948C91	IH	472636!	17016	DGASK	3698	170560	US-EL	473237!	17136	C-R	450068
16998	C-R	473446*	17018	DGASK	5092	1705821	HEIL	240119	17137	CHRY	415449
16999	C-R	473446*	17018	SPICE	471413	17059	DGASK	5419	17137	NPG	415449
169FF18	C-R	474278!	170180	JEFF	417316!	17059	DGASK	BS5048	17139	C-R	224461
169HA15-L	C-R	474260	170182	JEFF	471567!	1706	CHEL	470530!	17139	C-R	44X60X10!
169HA18	C-R	474278!	17019	SPICE	473444	1706+2706	STEM	416892	17139	C-R	44X60X7*
169HA18	C-R	6859S	1702	C-R	HU036A	1706+2710	STEM	370131A	17140	C-R	50075=
169HMS18	C-R	474278!	1702+2702	STEM	370001A	1706+320-2706	STEM	416892	17141	C-R	50075=
169HMS18	C-R	6859S	1702+320-2702	STEM	370001A	1706013	HEIL	471554!	17142	C-R	224460

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
17144	C-R	442251	17191	C-R	710115	17232	DGASK	228010	17273	VHY TRSCM	204002
17145	C-R	5836	17191	DGASK	228008	17233	DGASK	228010	17274	C-R	473237!
17146	C-R	442251	17191	DGASK	BS40535	17234	C-R	450400 *	17275	DGASK	BS40626
17147	C-R	224462	1719115	WHITE	450400	17234SB	TRSCM	482126	1727592	FMC	4732324!
17148	C-R	224460	1719137	WHITE	6597S	17234SP	TRSCM	473237	1727593	FMC	473214!
17148	C-R	224461	17192	DGASK	228480	17235	C-R	450400 *	17276	SPICE	40769S
17149	C-R	224462	17193	C-R	710208	17235	DGASK	226480	1727607	WHITE	471538!
17149	C-R	44X62X8!	17193	DGASK	4307V!	17236	DGASK	710258	17277	C-R	204503
1715	C-R	HU028A	17194	C-R	710283	172361	CLIMX	240733	17277	C-R	41206S=
17150	C-R	50191	17194	DGASK	4307V!	17236LUP	JN-MN	223014	17278LUP	JN-MN	223275
17151	C-R	50191	17195	C-R	8705S	172373TB	TRSCM	473237!	17278LUP	JN-MN	32X56X10!
1715482	WHITE	6644	17195	DGASK	4359V	1723758	FMC	4730390	1728+2728	STEM	370047A
17155	DICO	412920!	17196	DGASK	710075	17238	DGASK	229005	17280	C-R	9845
1715514	WHITE	412027	17196	DGASK	BS40396	17239	DGASK	2377	172807XX	TIMKE	17X28X7
1715672	WHITE	473203	17197	DGASK	226820	17239	DGASK	BS40509	17280A	C-R	472636!
17158M	DIA	472636!	17198	DGASK	228700	1723903	WHITE	473473	17281	C-R	471504
17159	C-R	470334!	17199	DGASK	3698	1724	C-R	HU070A	1728192	WHITE	5778
17159	C-R	50289	17199LDS	JN-MN	415379!	1724+2724	STEM	417506	17283	C-R	471504
1715N2	WHITE	471270!	17199LDS	JN-MN	415379	17240	C-R	42352S*	17284	C-R	471504
1716	ALOY	3214	17200	DGASK	5591	17240	DGASK	3893V	17285	C-R	471504
17160	C-R	224465	17201	DGASK	227410	17241	DGASK	710060	17285	SIDEW	470625!
17160	C-R	44X65X10!	17201	DGASK	BS40381	17241	DGASK	BS40449-1	17286	C-R	6936S
171609	EL-MO	415379!	17202	DGASK	228009	17242	DGASK	716445	17286	C-R	9845
171609	EL-MO	415379	17204	DGASK	BS40268	17242	DGASK	BS40578	17286	DGASK	BS40625
171609	JEFF	415379	17205	DGASK	710060	17242VHY	TRSCM	43071S	17287	C-R	471504
171609	JEFF	415379!	17206	DGASK	227020	17243TB	TRSCM	471504!	17287	DGASK	BS40619
1716100	WHITE	5401	17207	DGASK	228250	17244	C-R	450400	17287	SIDEW	472299
1716130	WHITE	416130!	17208	DGASK	229005	172443TB	TRSCM	471831!	172875SA	TRSCM	471141
17162	C-R	50081	17209	DGASK	228009	172463	JEFF	470712!	172875TA	TRSCM	471141!
171628	HEIL	476838!	17209	DGASK	BS27493	17248	C-R	42352S	17288	DGASK	BS40182
17163	C-R	50081	1721	ALOY	4148	17248	DGASK	BS40592	17289	C-R	471504
17164	C-R	50081	1721+2721	STEM	370132A	1724D	GOODM	472015!	1728M5	WHITE	471689!
17165	C-R	350609	17210	ALLCH	204002	17250	DGASK	231004	1729	C-R	HU014A
17166	C-R	350609	17210	DGASK	228410	17250	DGASK	BS16192-1	17290	C-R	471504
17167D	IH	471255!	17211	DGASK	228010	17251	DGASK	BS40592	17293	C-R	471504=
17168	C-R	224465	17213	DGASK	228009	17252	C-R	473237!	17294	C-R	471504!
17168	C-R	44X65X10!	1721396	WHITE	45653S	17252VH	TRSCM	40494S	172940	CLIMX	415104N=
171683	JEFF	471649!	17215	DGASK	228410	17253	DGASK	BS40598	172942	CLIMX	417487
171690	ALLCH	40360S!	17216	DGASK	3772	17253SSB	TRSCM	472164	172942	CLIMX	417487!
17170	C-R	6098=	17217	DGASK	3772	17253TB	TRSCM	472164!	1730	C-R	HU014A
17170	DGASK	3698	17218	DGASK	1021V	17253VTB	TRSCM	472164!	173007XX	TIMKE	17X30X7
17170	DGASK	BS40110	17218	DGASK	BS40265	17255	DGASK	228009	17302	C-R	471504!
171700	ALLCH	45013S	17219	DGASK	1019	17256	C-R	6840S	17303	C-R	471504
17174	C-R	6101	17219	DGASK	BS40387	17256	DGASK	226820	173037TB	TRSCM	471984
17174	DGASK	227235	17220	DGASK	227045	172563VHY	TRSCM	203015	173063TB	TRSCM	473313!
17175	DGASK	5390	17221	DGASK	716102	172563VHY	TRSCM	205015!	173063TB	TRSCM	710005
17176	DGASK	5419	172210	JEFF	417205!	17257	C-R	482126	17308A	MASSE	470530!
17177	DGASK	415379!	17221VB	TRSCM	340400	17257	DGASK	229210	1730985	CHRYSS	474278!
17178	DGASK	5065	17222	DGASK	227550	1725831	WHITE	471795	1730985	CHRYSS	6859S
17178LDS	JN-MN	472409!	17222A	MASSE	473245!	17259A	MASSE	472144!	1731	C-R	471689
17179	C-R	44X70X8	17223	DGASK	228009	1726+2727	STEM	370150A	17310	C-R	43071S
17179	DGASK	228010	1722380	WHITE	415449!	17260A	MASSE	417316!	17312	C-R	471705!*
17179	DGASK	BS40252	17224	DGASK	227045	17261	C-R	473237	17314	C-R	471692!
1717N2	WHITE	417538	17225	DGASK	228010	17262	C-R	473237!*	17314M1	C-R	471692!
17180	DGASK	4307V!	1722546	WHITE	471224!	17263	C-R	473237!	17315	C-R	471831!*
17181	DGASK	4307V!	17226	DGASK	231004	17263	DGASK	BS40638	173153SM	TRSCM	482267
17183	DGASK	5591	17226	DGASK	BS16192-1	17263TB	TRSCM	472185!	17316A	MASSE	417344!
17184	C-R	224470	1722607	WHITE	471466!	17265	C-R	473237	17317	C-R	471831!
17184	C-R	44X72X10!	1722652	WHITE	413246	17265	DGASK	BS40617	17318	C-R	471831!
17185	DGASK	3772	17227	DGASK	228010	17267	C-R	473237!	173193	ALLCH	412473!
17186	C-R	224470	17227	EATON	411394=	17268	C-R	473237!	173194	ALLCH	55301S
17186	C-R	44X72X10!	17228	DGASK	228008	172683SB	TRSCM	50289	173197	ALLCH	471887
17186	DGASK	710060	17228	DGASK	BS40583	1726DA	MASSE	417316!	1731M1	C-R	471689!
17187	C-R	8705S*	17228LUP	JN-MN	455134!	1727	C-R	HU019A	1732	C-R	HU007A
17187	DGASK	473573	17229	DGASK	227040	17270	C-R	473237!	17320	C-R	471831=
17188	C-R	8705S	17229	DGASK	BS25035	172707XX	TIMKE	17X27X7	173207XX	TIMKE	17X32X7
17188	DGASK	39608	17229	EATON	J1112	17271	C-R	473237!	173232KM	TRSCM	6840S
17189	C-R	8705S	1723	C-R	HU066A	172714TC	TRSCM	323119	173234KBY	TRSCM	8121S
1718N2	WHITE	415449!	17230	C-R	450400*	17272	C-R	473237!	17324	C-R	471684!
1719	ALLCH	471192	17230	DGASK	716102	172737	ALLCH	417555!	173242VB	TRSCM	8705S
1719	TRAC	471192	17231	C-R	450400*	17273TB	TRSCM	472179	17324A	MASSE	470409!
17190	C-R	8460N	17231	DGASK	227530	17273UA	TRSCM	200854	17324A	MASSE	50409

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
17324M1 C-R		471684!	17392LUP JN-MN		45X62X8!*	17443 C-R		472185!	17523 C-R		472179
17326 C-R		471686*	17393 C-R		7300S	17444 C-R		3227	17524 C-R		471684!
173275VHY TRSCM		5836	17393TB TRSCM		476820	17446 C-R		472185!	17524M1 C-R		471684!
17328 C-R		470590*	17395 C-R		472164!	17447 C-R		472185!	17525 C-R		471337
173285PTBJ TRSCM		8460N	17395601 JOHND		416327	17450 C-R		472185!	17526 C-R		471686
1733 C-R		HU009A	17396 C-R		472164!*	17451 C-R		472185!	17528 C-R		470590
17330 C-R		472951	173968 JEFF		450400	17455557 AUTSP		472826!	1752N2 WHITE		417538
17330 C-R		474252	173970 JEFF		472179	17456 C-R		472185!	17530 C-R		472951
173305PTBP TRSCM		6818	17399 C-R		472164*	17456 C-R		472185*	17530 C-R		474252
17330M1 C-R		472951	1740 C-R		417604	17457 C-R		472185!	17530M1 C-R		472951
17330M1 C-R		474252	17400 C-R		472164!	174573 ALLCH		472029	17530M1 C-R		474252
17331 C-R		471688	174007XX TIMKE		17X40X7	174574 ALLCH		415995!	17531 C-R		471688
17332 C-R		6489*	17401 C-R		472164*	17458 C-R		3227	17533 C-R		472179
1733603 CHRYS		7188S	17402 C-R		472164!	17459 C-R		3227	17535 C-R		472179
1734 C-R		HU008A	1740270 WHITE		HU110A	17459 MALL		471571	1753532M1 MASSE		471554!
17340 C-R		494122	1740273 WHITE		370007A	17460 C-R		472185!	17537 C-R		472179
17340 C-R		6489*	1740274 WHITE		HU036A	17460 SPICE		472354!	17538 C-R		472179
17341 C-R		6489	174029 CLIMX		417487	1746312 SPICE		415027	1754 C-R		HU057A
1734152 BENDI		417343!	17403 C-R		472193!	17465 C-R		472185!	17542 SPICE		40286
173422SP TRSCM		7607	17403 C-R		473234	17466 C-R		472185!	1754299M1 MASSE		421
17344 C-R		6489*	17403 NEWPR		4813V	17468 BU-SP		415072	17544 C-R		40183S
173463 JEFF		470712!	17404 C-R		472193*	17468 C-R		1177	17544 C-R		472179
17348 C-R		203007=	17404 C-R		472193!	174707XX TIMKE		17X47X7	1754411M1 MASSE		414
1734913 CHRYS		471538	17405 C-R		472164!	174708XX TIMKE		17X47X8	1754835M1 MASSE		340724!
1734RC SUL		471648	17405LUP JN-MN		224025	17472 C-R		470334!	17552 C-R		472179
173507XX TIMKE		17X35X7	17406 C-R		203015	17472X MASSE		472439	175559 JEFF		417511
173508XX TIMKE		17X35X8	174069H1 HOUGH		472018	17473 C-R		470334!*	17556 C-R		472179
17353 C-R		710389	174069H1 IH		472018	17474 C-R		470334!	17557 C-R		472179
17354 C-R		204007=	17409 C-R		472193!	17475 C-R		470334!	17558 C-R		472179
17357 C-R		6489	174099H1 HOUGH		416229	17475LDS JN-MN		415027	1756904 ROCKW		415991
17358 C-R		473157	174099H1 IH		416229	17476LDS JN-MN		415227!	1756904 ROCKW		455146!
17359 C-R		6489	174099H2 IH		416229	17478 SPICE		40769S	1756OS JN-MN		416339
1736 C-R		HU012A	17410 C-R		472193!	174783 SPICE		40769S	1756OS JN-MN		455031!
17360 C-R		472164!	17410D IH		417247!	174826 JEFF		470625!	175732H1 HOUGH		471424!
17362 C-R		472164!	17412 C-R		471705!*	17483 C-R		470334!	175732H1 IH		471424!
17363 C-R		472164!	17413 C-R		473796	17484 C-R		470334!*	17581 C-R		473447
17364 C-R		472164!	174136 CLIMX		415937!	17485 C-R		200854	17582 C-R		473447
17365 C-R		472164!*	174137 CLIMX		416865!	174854 ALLCH		415027!	17583 CASE		40067S=
17365A C-R		472924!	17414 C-R		471692!	174854 ALLCH		415027	175938 JEFF		416888!
17366 C-R		472164!	17414M1 C-R		471692!	17486LUP JN-MN		472299	17593LDS JN-MN		415027
1737 C-R		50631	17415 C-R		204502	17488 C-R		204038	17599 C-R		472179
173707XX TIMKE		17X37X7	17416 C-R		473203	174938 JEFF		320457	175991 JEFF		473405
17371 C-R		472164!*	17418 C-R		471413	17494 C-R		472179	175A4 WHITE		472636!
173713 AU-LI		471765!	17418M1 FREIG		471413!	17497 SPICE		471689!	175F-1 KEN		471689!
17372 C-R		472164!	1741M1 C-R		471689	17497 VIC		471689!	175G OSHKO		417344
173735 ALLCH		415991	1742 C-R		HU013A	1749OS JN-MN		472397!	175K1 WHITE		240151
173735 ALLCH		415991!	17420 C-R		472185!	174Z1 C-R		471689	175ML1M1 C-R		471689
17375 C-R		472164!	17420SS JN-MN		22X32X7	174ZM1 C-R		471689	175W1 C-R		471689
17376 C-R		472164!	1742252 WHITE		413469!	17502 C-R		473237	175W1M1 C-R		471689
1737771 CHRYS		3103!	174227JX MICH		200600	175038 FORD		472185!	175W30 C-R		472951
17379 C-R		472164!	17423 C-R		472185!	17508 C-R		472179	175W30 C-R		474252
1738 C-R		HU011A	17424 C-R		471684!	175088 ALLCH		415138!	175X200X15 SIMRT		175X200X15
173807XX TIMKE		17X38X7	17424M1 C-R		471684!	17509 C-R		472179	175X200X15SC TRSCM		175X200X15
17381 C-R		472164!	17425 EATON		415027	1751 C-R		471689	175X200X15TC TRSCM		175X200X15
1738263 CHRYS		470898!	17426 C-R		471686*	1751 CABOT		471689!	17600 CASE		472924!
17382A MASSE		473010	174277 HYST		412473!	17511 C-R		471705!	17605 C-R		473447*
17383A MASSE		473214	17428 C-R		470590*	17512 C-R		471705!	17607 C-R		323119
17384 C-R		472164!	1743 C-R		HU009A	17514 C-R		471692!	17608 C-R		200354*
173849 JEFF		472636!	1743 C-R		HU159A	17514M1 C-R		471692!	17609 C-R		204002*
173857 ALLCH		471984	1743 C-R		HW009A	17515 C-R		472179	17611 C-R		204002*
17386 C-R		472164*	17430 C-R		472951	175155 JEFF		415483!	17614 C-R		203002
17386 C-R		472164!	17430 C-R		474252	17516 C-R		472179	17617 C-R		204038
17387 C-R		472164!	17430M1 C-R		472951	1751702M1 MASSE		471267!	17618 C-R		200354
17388 C-R		40494S	17430M1 C-R		474252	1751M1 C-R		471689	176199R91 IH		471413
173883 JEFF		472164!	17431 C-R		471688*	17520 C-R		710248	17620 C-R		200600
1738831 CHRYS		5126	17431 CASE		472015=	17520015A HARWA		175X200X15	17623 C-R		470334!
17389 C-R		472164!	17431 WHITE		415001!	17521 TRMBL		370023A	17623 C-R		50289
17390 C-R		472164	17432 C-R		472185!	17521 WHITE		370023A	176234 US-EL		473239!
17391 C-R		472164!	17433 C-R		472185!	17522 C-R		472179	17624 C-R		712260
17392 C-R		472164	17436 SCHWI		473225!	17522 C-R		472179=	176256 US-EL		455480!
17392LUP JN-MN		1012*	17441 C-R		472185!*	17522 TRMBL		370007A	17627A MASSE		412119!
17392LUP JN-MN		1012N*	17442 C-R		472185!	175223SA TRSCM		450400	176364 HYST		471138!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
17638 C-R		471141!	17726 C-R		482267	17778 C-R		1943	17849 C-R		4072
17639 C-R		471141!	17727 C-R		6818	17778 C-R		224570*	17849 C-R		4072N
1764 C-R		HU037A	17728 C-R		224510	17778 C-R		45X72X7!	1785 C-R		HU149A
1764292 GMC		473471	17729 C-R		224460	17779LDS JN-MN		415027	17851 C-R		480281!
17643A C-R		415449!	1772RC SUL		416288!	17780LDS JN-MN		417598	178566 FUNK		415138!
17644 C-R		471141!*	17730 C-R		224520	17781 C-R		2440	1786 C-R		HU012A
17645 C-R		471141!*	17730 C-R		45X60X8!	17782 C-R		1979*	1787 C-R		HU036A
1765 C-R		HU042A	17731LDS JN-MN		415303!	17782 C-R		45X75X7!	17879 C-R		450089
17650 C-R		471141!	17732 C-R		224520	17783 C-R		1979	178791 JOY		417511
17651 C-R		471141!	17732 C-R		45X60X10!	17783 C-R		45X75X10V!	1788 C-R		HU009A
17653 C-R		471141!*	17734 C-R		1992*	17784 C-R		224510	1788 C-R		HU159A
17655 C-R		471141!	17734 C-R		224550	17784 C-R		45X58X7!	17880 C-R		450089
17656 C-R		471141!	17734 C-R		45X65X8!	17785 C-R		45X70X10!	178813 JEFF		471649!
17657 C-R		471141	17736 C-R		1012	17785 C-R		710238	17886LUP JN-MN		417563
1765RC SUL		412119!	17736 C-R		1012N	17787 C-R		714075	178874 WAUKE		415984!
176681R91 IH		450593!	17737 SUPER		415254	17788LDS JN-MN		417602!	1789 C-R		HU005A
17670LDS JN-MN		473238!	17739 C-R		470088*	17789 C-R		1939	1789613 CHRYS		417134
17671 C-R		471141!*	17739 SUPER		455019!	177896 ALLCH		340787	17897 C-R		224650
17674 C-R		471141	17741 C-R		45X60X7	17790 C-R		1012	178HDR14 C-R		204020
17675 C-R		5711	17742 C-R		1012*	17790 C-R		1012N	178HDR14 C-R		204505!
17678 C-R		473448	17742 C-R		1012N*	17790 C-R		45X62X8!	1790 C-R		HU110A
1768 C-R		HU031A	177431H1 IH		470954!	17791 C-R		45X80X10	1790 C-R		HU159A
17680 C-R		5711	177433 ALLCH		415025	17792 C-R		1952	179030 CHRYS		5526
17681 C-R		473448	17744 C-R		45X72X12	17793 C-R		45X82X8	17905 C-R		710126
17682 C-R		5711*	17745 C-R		470088*	17793LUP JN-MN		472439	17909 C-R		444116
17684 C-R		473448	17745LUP JN-MN		481864	17794 C-R		45X80X10	17909 C-R		46X59X8!
17685 C-R		473448	17746 C-R		470088*	177949 US-EL		471766!	1791 C-R		HU009A
17685 SIDEW		471192	17746LDS JN-MN		416239!*	17794LUP JN-MN		473204	1791 C-R		HU159A
17686 C-R		1979	17748 C-R		3583	17795 C-R		224570	17910 C-R		46X60X8
17687LDS JN-MN		473231!	17749 C-R		45X62X8*	17796 C-R		45X85X10	17914 US-EL		472185!
17688LDS JN-MN		471424!	17750 C-R		224520	177T5 WHITE		415449!	179147 ALLCH		416865!
17689 C-R		473448*	17750 C-R		45X60X10!	17801 C-R		1939	17915 C-R		710128
1769 C-R		HU036A	17751 C-R		210945	17802 C-R		1906*	1791590 CHRYS		5778
17691 C-R		710126	17752 C-R		224520	17803 C-R		710525	179164H1 IH		417357
17691LDS JN-MN		471692!	17752 C-R		45X60X8V!	17804 SUPER		418028	1791687 CHRYS		410308!
176927 CUMMI		417621	17753 C-R		710078	17804 SUPER		455137!	1791688 CHRYS		470898
17693 C-R		473448*	17754 C-R		1012	17805 C-R		321460	1791717 CHRYS		40316S
17694LDS JN-MN		471224!	17754 C-R		1012N	17806 C-R		321460*	179177 ALLCH		455655!
17695 C-R		473448*	17754 C-R		45X62X8!	178070 CLIMX		473238!	17919 C-R		710260
17697 C-R		471984	17754 C-R		494122	17808 C-R		710248	1791963 CHRYS		40769S
17699 C-R		471984*	17754 C-R		710321*	1781 C-R		HU028A	17920 C-R		1012N
176G OSHKO		473464!	17755 C-R		455536*	17810 C-R		452742	17920 C-R		224662
176G OSHKO		473464	17756 C-R		455536*	17811 C-R		452742	17920 C-R		46X62X8!
1770 C-R		HU034A	17756LDS JN-MN		473226	17811 C-R		452742V!	1792131 CHRYS		450639
17700 C-R		471984*	17757 C-R		1992	17815 C-R		7607	1792140 CHRYS		470506!
177000 JEFF		412871!	17757 C-R		45X65X8!	17817LUP JN-MN		472150	179275VB TRSCM		6781
17701LUP JN-MN		471785!	17757LDS JN-MN		472179	17818 C-R		45X72X7!	17929 BU-SP		416271!
17702 C-R		204501!	17758 C-R		224560*	1782 C-R		HU039A	17929 KOEH		416271!
17702 C-R		471984*	17758 C-R		320564*	17820 C-R		50266	1793 C-R		HU009A
17703 C-R		45X72X7	17758 C-R		45X65X8!	17821 C-R		50266*	1793 C-R		HU159A
17706 C-R		471984	17758 C-R		710345	178223TB TRSCM		321460	17930 C-R		46X65X7!
17707 C-R		471984*	17759 C-R		1992	178253TA TRSCM		452742	17936 EATON		415437!
177070 CLIMX		473238!	17759 C-R		45X65X8!	178263SB TRSCM		50266	17936 EATON		415437
1771 C-R		HU042A	17760LUP JN-MN		65X85X10	1782683SL TRSCM		450269	1794110 CHRYS		473458!
17710 C-R		473313	17761 C-R		55687=	1782A2 WHITE		330385!	1794135 CHRYS		471272!
17710182 EL-PA		473010	17762 C-R		1992	1783 C-R		HU009A	1794149 CHRYS		470954!
17711 C-R		473313	17762 C-R		45X65X8!	17831 C-R		450269	1794206 CHRYS		415483!
17712 C-R		471984=	17762 C-R		45X65X8V!	17832 C-R		450269*	179424 ALLCH		417433
17714 C-R		710067	17764 C-R		45X65X8!	17833 SPICE		473228	1794312 CHRYS		416130!
17715 C-R		473313	17766 C-R		224560	17833 VIC		473228	179447R91 IH		416500
17716 C-R		473313!*	17766 C-R		45X68X7!	1783301 SIDEW		471504!	17949 C-R		472070
17717 C-R		1992*	17767 C-R		320564	17834 C-R		450269	17950 C-R		46X68X8
17718 C-R		473313!	17767 C-R		45X68X10V!	178345 HYST		415294!	1795192 CHRYS		6808N
177190 JEFF		416107!	17769 C-R		45X68X7*	17836 C-R		6781	17952LUP JN-MN		415349
177190 JEFF		455073	17770 C-R		45X70X10!	1784 C-R		HU066A	1795358 CHRYS		417485
177191 JEFF		412473!	17771 C-R		476820	17841 C-R		450285	17953LDS JN-MN		472213
17719A C-R		470530!	17773 C-R		224570	17842 C-R		450285	17955 C-R		710161
17720 C-R		710005	17773 C-R		45X72X8V!	178446 HYST		482163!	1795508 CHRYS		6808N
17722 C-R		710005	17774 C-R		45X72X7*	17846 C-R		8314	17959LDS JN-MN		416865!
177234PTBY TRSCM		2440	17775 C-R		9845	17846LDS JN-MN		417020	17960 C-R		46X70X8!
17724 C-R		200303=	17775 C-R		9845V	17847 C-R		450285	17960 C-R		710238
17724A C-R		473228	17776 C-R		45X72X95	178481 JEFF		471647	179603 HYST		417545

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179618	ALLCH	415867	18039	C-R	451817*	181364	US-EL	415991!	182566	JEFF	415035!
179633	HYST	415962	1804009C91	IH	3894V	181364	US-EL	415991	182567	JEFF	417357
179643	ALLCH	415023	1804009C91+1806212C1	IH	5066	18137	UNIVE	471551!	182567	JEFF	455192!
179656	SPERY	415035=	1804010C91	IH	3893V	18139	C-R	473449	182568	JEFF	470682
17972LDS	JN-MN	417181!	1804010C91	IH	39608	18140	C-R	473449	182569	JEFF	410694!
179737	ALLCH	352541	18041	BU-SP	471192	18148	EATON	471821=	18258	C-R	5070
17975	C-R	46X72X8	1804414	GMC	410987!	18148D	IH	415066	182591	JEFF	412871!
1797558	CHRY5	415988	18047	C-R	1992	18149	C-R	7600S	182614	HYST	471341!
17980	C-R	46X73X8	18047	C-R	203006!*	18151D	IH	417316!	1826167	CHRY5	7013S
1799582	CHRY5	411348!	18049	C-R	5133	18152F	OSHKO	417487!	182623VB	TRSCM	6985
17B528	UNIVE	340724!	18050	C-R	203006!*	18152F	OSHKO	417487	18263SSB	TRSCM	331227H
17DH4300	DURA	471554!	18053	C-R	203006!*	18154G	P-C	TCS45472	18263TB	TRSCM	472439
17DH430A	DURA	471231!	18055	C-R	44053	18158	C-R	473449	18264	C-R	7044NA
17DH430AAS	DURA	473236!	180562	US-EL	415984!	181580	JEFF	473452	18265	EATON	417181=
17DH430B	DURA	471570!	18058	C-R	472070	18159	C-R	473449!*	18266	C-R	450090
17DH430BB	DURA	471267!	180586	FMC	471354!	1816046C1	IH	3894V	18267	C-R	450090
17DH430D	DURA	450039	180587	FMC	471649!	1816558C91	IH	39608	1826719	CHRY5	7216
17DH430DD	DURA	472705!	180597	ALLCH	415027=	1816559C91	IH	39608	18268	C-R	481992
17DH430F	DURA	471649!	1805B-54	HU-WR	472924!	18167	C-R	480281!	1826C	GOODM	472636!
17DH430G	DURA	471765!	180612	ALLCH	415683	18167A	C-R	415449!	1826D	GOODM	472636!
17DH430L	DURA	473426	1806380C91	IH	416404!	18168	C-R	480281!	18270	C-R	450090*
17DH430M	DURA	471750!	18064G	P-C	TCS45472	181692	HYST	416921!	18271	C-R	450090*
17DH430O	DURA	471554!	180689	HYST	472924!	1817-B1	REO	370023A	1827176C91	IH	600337
17DH430OS	DURA	471554!	180689	HYST	472924!*	18173	NEWPR	4741	1827177C1	IH	416404
17DH430T	DURA	473234	18070	C-R	472070	181737	HYST	471766!	18272	C-R	450090
17DH430Y	DURA	470712!	18071	C-R	472070	18175	FMC	204002	18273TA	TRSCM	472572
17DH430YS	DURA	470712!	1807783C1	IH	J1127	1817865C1	IH	917034	18273TB	TRSCM	472572!
17DH579	DURA	473197	1808	C-R	HU065A	1817867C92	IH	917034	18274SP	TRSCM	3604
17DH663	DURA	473231!	180847C1	IH	39958	1818772C1	IH	416404!	18274SSBJ	TRSCM	473179
17G170	OSHKO	415023	1808751C91	IH	5066	18190	C-R	3604	18274TA	TRSCM	414045!
17G91	OSHKO	415023	18094G	P-C	TCS45472	181937	ALLCH	416865!	18275TBJ	TRSCM	9449
17GX91	OSHKO	415023	1809797	MCKIN	416865!	1819733C91	IH	39608	18276	C-R	6930*
17R528	MTR-C	340724!	1809964C92	IH	5624	18198	BU-SP	7208S	182778	HARN	415725!
17T12	ATHEY	415988	18099LUP	JN-MN	417433!	181W287	CONE	5531	18278	C-R	6930*
17T12	FRUEH	415988	180X200X15	SIMRT	180X200X15	182	C-R	5576	1827D	GOODM	412920!
17X27X7SC	TRSCM	17X27X7	180X210X15SC	TRSCM	180X210X15	182	CALI	417223	182806XX	TIMKE	18X28X6
17X27X7TC	TRSCM	17X27X7	180X210X15TC	TRSCM	180X210X15	18201	DIVCO	473215!	18283SB	TRSCM	473238
17X28X7SC	TRSCM	17X28X7	18100	C-R	472070	182067	ALLCH	472560N	18283SP	TRSCM	9912
17X28X7TC	TRSCM	17X28X7	18100	MICH	472705!	182091	HYST	472258!	18283TB	TRSCM	473238!
17X30X7SC	TRSCM	17X30X7	18100D	IH	470530!	182110	C-R	6370N	182843KBY	TRSCM	5699
17X30X7TC	TRSCM	17X30X7	18103	C-R	472070	182112	C-R	323138!	18285SP	TRSCM	2689S
17X32X7SC	TRSCM	17X32X7	18104	C-R	472070*	18217	C-R	203006!	18285TBJ	TRSCM	5126
17X32X7TC	TRSCM	17X32X7	1810879	MCKIN	472394	182200118	IG-RA	415995!	1828719	CHRY5	7216
17X35X7SC	TRSCM	17X35X7	1810883	MCKIN	472016	182274VHY	TRSCM	7600S	1828OS	JN-MN	417596
17X35X7TC	TRSCM	17X35X7	181103	ALLCH	418028!	1822834C91	IH	5723	18292VM	TRSCM	6064
17X37X7SC	TRSCM	17X37X7	1811035	WOOL	415036	1822836C1	IH	5723	182992VB	TRSCM	203034!
17X37X7TC	TRSCM	17X37X7	18112	C-R	471866!	182293	JEFF	471341!	182992VB	TRSCM	6547
17X38X7SC	TRSCM	17X38X7	18112	MICH	471281!	182294	JEFF	417596	183-525-217	AUDI	223845
17X38X7TC	TRSCM	17X38X7	18112	UNIVE	471281!	18231	C-R	473450	183-525-217	VW	223845
17X40X7SC	TRSCM	17X40X7	18114	C-R	471866!*	18231	US-EL	474255	183-525-217A	AUDI	223845
17X40X7TC	TRSCM	17X40X7	181153	JEFF	411376!	18232	C-R	473450	183-525-217A	VW	223845
17X47X7AN(35)	ISP	17X47X7	18116	C-R	471866!	1823404C1	NAVST	600012	183003TB	TRSCM	473239!
17X47X8SC	TRSCM	17X47X8	18117	C-R	471866=	182387	JEFF	471271!	183007XX	TIMKE	18X30X7
17X47X8TC	TRSCM	17X47X8	18121	C-R	471866!	1824075	CHRY5	472354!	18303TB	TRSCM	473457!
180	C-R	5095	1812329C92	IH	5723	18241	C-R	473450	18303VSB	TRSCM	473239
18000	C-R	710397	181234VB	TRSCM	444116	18242	C-R	473450!*	18306A	C-R	470530!
180008M1	MASSE	6336S	18124	BU-SP	417486	18242D	IH	416339	1831	C-R	450593!
1800106003	BUDD	416158	18125	MICH	450536	18242D	IH	455031!	1831	CLARK	450593!
180029	CHRY5	5399	18125	MICH	471535!	18242VB	TRSCM	7934S	183105SBP	TRSCM	7216
180030	CHRY5	5531	18125	UNIVE	471535!	182455	JEFF	473237!	18311	C-R	473419
18009	C-R	4249	181254VHY	TRSCM	203006!	182473TB	TRSCM	472747	18311M1	C-R	473419
18014	C-R	224663	181265TBJ	TRSCM	472070	18250	C-R	473450!*	18312	C-R	473419
18020015C	HARWA	180X200X15	18127	C-R	7186S	182502VHY	TRSCM	340823	18312M1	C-R	473419
18021	EATON	416500	18128	C-R	7186S	182503SSB	TRSCM	473454	18313	C-R	450040
18022A	MASSE	474272	181287C1	CASE	473240	182512	JEFF	418029!	18313SP	TRSCM	6808N
1802382	FORD	7381S	181287C1	IH	473240!	182513	JEFF	417492	18314	C-R	476838!
18024	C-R	4278	181288C1	IH	470565!	182514	JEFF	456105	18314	FAIRB	476838!
1803	C-R	HU149A	18130	C-R	473449	18253SSB	TRSCM	473454	18314M1	C-R	476838!
18030	C-R	710409	181313PTB	TRSCM	7044NA	18253X	MASSE	471424!	18314PSP	TRSCM	9316
18032	BU-SP	415991	18134LDS	JN-MN	416865!	182564PTBJ	TRSCM	2942	18319SP	TRSCM	3195
18036LUP	JN-MN	471141!	181361	US-EL	416380!	182564PTBJ	TRSCM	350936!	1831M1	C-R	450593!
18038	BU-SP	472636!	181363	US-EL	473517!	182566	JEFF	415035	183207XX	TIMKE	18X32X7

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183208XX	TIMKE	18X32X8	18436	C-R	3606	18528LUP	JN-MN	200X230X15!	18601	C-R	472439
183214	CONCA	471413!	18436A	C-R	472164!	18529LUP	JN-MN	130X160X12	18603	C-R	6985
18324	C-R	450033	18438	C-R	473452	185312	JEFF	417196!	1860325M1	MASSE	470334!
18325	C-R	474273	18439	C-R	473452	18531A	C-R	450398	186063	BENDI	415027
18325	DIVCO	473462	18440LUP	JN-MN	180X210X15	18531A	C-R	471267!	18609	C-R	6985
18326	C-R	473412	18443	C-R	710501	18532LUP	JN-MN	416670	1861	C-R	471733*
18327	C-R	473415	18444	C-R	473452*	18535	C-R	8362	18611	C-R	471868*
18328	C-R	471137	18444	C-R	714675	18536	C-R	8362	186110	C-R	473423*
18328	FAIRB	471137	18446	C-R	473452	18539A	MASSE	450398	186112	C-R	472354!
18328	HUGKE	471137	18446323	SPICE	415995!	18539A	MASSE	471267!	186112M1	C-R	472354!
18328M1	CR-CF	471137	18446326	SPICE	417181=	18539LDS	JN-MN	1979	18613	C-R	471868
18329	C-R	450038	18447	C-R	47X60X8	18542LUP	JN-MN	417362!*	18614	C-R	470712!
18330	C-R	450039	18450	C-R	47X62X8!	18543	C-R	7934S	18615	C-R	471736
18331	C-R	450040	18450	C-R	710320	185433R91	IH	450143	18615	ROCKW	473232!
18331	FAIRB	450040	18451	C-R	414045!*	18544	C-R	350936	18616	C-R	472475*
18334TA	TRSCM	410524	184517	GOODM	415138!	1854449	CHRYSL	472354!	18617	C-R	471868
18336	SPICE	471141!	18452	C-R	224820	1854449	GMC	472354!	18618	C-R	471737
18338115	SPICE	470625=	18454	C-R	1937*	18545	C-R	472747*	18623	C-R	710388
18342702	EL-PA	473458!	18454	C-R	710191!	18546	C-R	350936	18624	C-R	470390*
1834474C1	IH	351196V	18458	C-R	710191	18546	C-R	4528N	18625	C-R	471868
18346312	SPICE	470625=	18458	FITZ	2955	18548	C-R	350936	18626	C-R	471868
1834632C1	IH	600451	18459	FITZ	2955	18549	C-R	353120	18630	C-R	200752
1834638	SPICE	417344	18461	C-R	473453*	18550	C-R	5458	18633	C-R	7107A=
183507A	HARWA	18X35X7	184631	SPICE	473016!	1855001	BR-WN	55532=	18638	C-R	7107A=
183507XX	TIMKE	18X35X7	184636	SPICE	470682	18551	C-R	5458	18640	C-R	7107A=
18355	SPICE	410308!	184638	SPICE	471466!	18552	C-R	353120	186417	HYST	473239!
18356392	EL-PA	471750!	184639	SPICE	472635	18553	C-R	473454	186418	HYST	415138!
18359-1	SPICE	470625=	18463LUP	JN-MN	473205!	18554	C-R	340823	18647	C-R	472572
18365	SIDEW	473446	18465	C-R	710215	18555	C-R	473454	1864750	GMC	476838!
183708XX	TIMKE	18X37X8	18467	C-R	47X65X8*	18555	C-R	710220	18650	C-R	472572!
18375LUP	JN-MN	1979	18470	C-R	1187	18556	C-R	472747	18651	C-R	472572!
18376LUP	JN-MN	65X100X10	18470	C-R	47X68X10!	18558	C-R	340823	18654	C-R	472572!
183807XX	TIMKE	18X38X7	1847386	GMC	474253	18558D	IH	473447	1865517	GMC	470059
183837	HOUGH	415227=	18475	OLIVE	473228	18559	C-R	2942	1865517	GMC	470380!
183837H1	IH	415227=	18480	C-R	47X70X10!	18560	C-R	473454	18656	C-R	472572!
183847H1	HOUGH	415021	18480	C-R	714675	1856001	BR-WN	417433!	18657	C-R	472572*
18384D	IH	410987!	18485	C-R	224772	18561	C-R	350936	18657	C-R	472572!
18396LUP	JN-MN	416154!	18487	MASSE	473471	18562	C-R	350936=	18658	C-R	472572!
183CP1M1	C-R	450593!	18487A	MASSE	473471	18563	C-R	350936	18659	C-R	42421S
183F1	C-R	450593!	18488	C-R	710150	18564LPD	JN-MN	417513	18659	SPICE	450039
183W1	C-R	450593!	18489	C-R	710143	18565	C-R	473454!	18660	C-R	472572!
183W12	C-R	473419	18489A	MASSE	470950!	18566	C-R	472439	18661	C-R	472572!
183W14	C-R	476838!	18489A	MASSE	6241S	18567	C-R	473454	18662	C-R	472572
183W14	CR-CF	476838!	1848OS	JN-MN	415124*	18567X	MASSE	471442!	18663	C-R	472572!
183W14-M1	C-R	476838!	18490	C-R	332062	18570	C-R	472439	18667	C-R	5699
183W1M1	C-R	450593!	18492	C-R	332062*	1857001	BR-WN	415447	18668	C-R	472572!
183W28	CR-CF	471137	184926	HYST	415138!	1857002	BR-WN	471424!	18669	C-R	473179!
184007XX	TIMKE	18X40X7	184947	HYST	416556!	1857003	BR-WN	471413	1866Y	HYST	5M445
18402	SPICE	471787	184947	HYST	472157	1857005	BR-WN	471652	1866Y	IH	5M445
1840201	SIDEW	471821!	1849949	GMC	471442!	185705R91	IH	6638S	18670	C-R	473179!
184021	SPICE	471787	185	C-R	5073	18571	C-R	472439	18671	C-R	473179!
184023	SPICE	471787	185031	JEFF	455330!	18575	C-R	472439*	1867150	GMC	471554!
184025	SPICE	471787	185031	O-M	455330!	18580	C-R	472439	18672	C-R	473179
184072C91	CASE	471341	18505	C-R	224772	1858007	BR-WN	416364!	18673	C-R	473179
18408	C-R	291295	1850519M1	PERKI	712139	18581	C-R	472439	18674K	IH	473419
18408	EATON	416339=	185064M91	MASSE	7790H	18583	C-R	472439*	18675	C-R	473179
18408	SIDEW	472397!	185076	HYST	415041	18584	C-R	472439	186756X1	IH	416271!
1840847M1	MASSE	415234!	18510	C-R	8521S	18587	C-R	40071S	18676	C-R	473179!
1841007	BR-WN	471765!	1851001	BR-WN	411376!	185877	HYST	JV1166	186761	JEFF	470059
18412	C-R	471841	18513	C-R	224772	18591	C-R	40071S	186761	JEFF	470380!
18412LDS	JN-MN	415259!	18516	SPICE	473228	18592	C-R	331227H	186768R91	IH	40769S
18415	C-R	6960	1851747M1	MASSE	471272!	18595	C-R	472439	186769R91	IH	40769S
18419LDS	JN-MN	471831!	18518A	MASSE	472354!	18596	C-R	472439	18677	C-R	473179!
1842	C-R	HU013A	185198	HOUGH	415035=	18597	C-R	472439	18678	C-R	473179*
184232	JEFF	415991	185198	IH	415035=	18598	C-R	331227H	186780	CUMMI	39821
184232	JEFF	455146!	185198H1	HOUGH	415035	18599	C-R	472439	186786R91	IH	40769S
184242VAY	TRSCM	291295	185209	HOUGH	415035	185FF112	C-R	472354!	18679	C-R	473179!
18425	C-R	473451!	185209	IH	415035	185X210X13	SIMRT	185X210X13	18683	C-R	473179
18426LUP	JN-MN	470354*	185209H1	IH	415035	185X210X13SC	TRSCM	185X210X13	18688	C-R	473179!
18427	C-R	40268=	18521013A	HARWA	185X210X13	185X210X13TC	TRSCM	185X210X13	18689	C-R	473179
1843	C-R	HU009A	185210H1	IH	473238=	186	C-R	5072	1868OS	JN-MN	416666
1843	C-R	HU159A	185215C1	IH	473228!	18600	C-R	472439	18690	C-R	473179

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186908	CUMMI	5010=	18778	C-R	5126	18881	C-R	3195	18968	C-R	224835
18691	C-R	473179	18778LUP	JN-MN	475384*	18882	C-R	473240!	18968	C-R	224840*
18692	C-R	473179	18780	C-R	203034	18883	C-R	7216	18968	C-R	48X68X10!*
18693	C-R	414045!	18784	C-R	6064	18885	C-R	473458!*	18969	C-R	224835
18694	C-R	414045!	18785	C-R	450084!*	188856	HYST	415035	1896RC	SUL	416865!
18695	C-R	1959	187863	CUMMI	417621	18886	C-R	473458!*	18970	C-R	1994
18695	C-R	414045!*	18796	C-R	450084!	18887	C-R	6808N	18970	C-R	48X70X8
18697	C-R	5699	18797	C-R	450084!	18888	C-R	6808N	18970	C-R	48X70X9!
18698	C-R	414045!	187984H1	IH	471271!	18889	C-R	715100	18970	C-R	710313*
18699	C-R	414045!	18798LUP	JN-MN	481443!	18891	C-R	9316	18971	C-R	1994
1869OS	JN-MN	415066	18799LUP	JN-MN	450516	18896	C-R	719316	18971	C-R	712010
187	C-R	5092	187G112	C-R	472354!	1889633	ALLCH	473436	18972	C-R	1208
1870	C-R	HU034A	187H112	C-R	472354!	1889633	GMC	473436	18972	C-R	48X72X7!
18708	C-R	5126	187H14	C-R	470712!	18897	C-R	710356	18973	C-R	224872
18708	C-R	8515N*	187HA112	C-R	472354!	18898	OLIVE	416125!	18973	C-R	48X72X8V!
18708LPD	JN-MN	415077	187HM112	C-R	472354!	18898	WHITE	416125!	18974	C-R	224874
18709	C-R	414045!	187HM112-Q6	C-R	472354!	18899	C-R	473458!	18975	C-R	48X75X10
18709LPD	JN-MN	415116	187HM112-TB	C-R	472354!	1889A3	DIA	472157	18976	C-R	224872
1870OS	JN-MN	415991	187HMS112	C-R	472354!	1889A3	WHITE	472157	18976	C-R	48X72X7!
1870OS	JN-MN	455146!	187W14	C-R	470712!	189	C-R	5072	18977	C-R	224850
1871	C-R	471733	187W14M1	C-R	470712	1890	C-R	HU009A	18979	C-R	224870
1871	GOODM	471733	188007	JEFF	455462	18900	OLIVE	473234	18981	C-R	48X80X8
18710	C-R	2689S	1880472	GMC	471466!	189005	JEFF	472354!	18982	C-R	48X82X8
18711	C-R	473445	18805	C-R	203034*	18902	C-R	473458!*	18983	C-R	224979
18711LPD	JN-MN	417596	18807	C-R	450084!	18911	C-R	451078!	18985	C-R	48X85X8
18712	C-R	471735	18808	C-R	203034	18912	C-R	7216	18986	C-R	48X80X8
18714	C-R	470712!	18809	C-R	450084!	18914	C-R	7216	18990	C-R	9049
18714M1	C-R	470712	1880BAGE	SABO	4564V	18914LUP	JN-MN	412871!	18990	C-R	9049N
187189R91	IH	40769S	18810	C-R	450084!	18915	C-R	410524	18991	C-R	48X90X10
18719	C-R	473238	18810	KOEI	412861	18916	C-R	410524*	18992	C-R	4333N
1872	SPG	224520	18810LUP	JN-MN	225875*	18918	C-R	410524*	18994	C-R	714503
1872	SPG	45X60X10!	18810LUP	JN-MN	58X75X11!*	1891820	FMC	471442!	18995	C-R	9449
18720LUP	JN-MN	472029	1881115	GMC	411376!	189210	VICK	8059S	18997	C-R	344032
187212R91	IH	450143	18813A	MASSE	473227	18922	C-R	451078!	18998	C-R	5208
18727	C-R	710337	18814	C-R	473239*	18924	TMTR	472560N	189V539P1	GE	472016
18728	C-R	471730	18814	C-R	473239	189242SB	TRSCM	8704S	18BX1	TRACS	471491
1872OS	JN-MN	327303!	18814G	VIC	TCS45635	189254R91	IH	416130!	18BX1	WHITE	417491
1873	TIMKE	1873	18815	C-R	473239*	18926	C-R	477609* =	18BX10	TRACS	417357
18731	C-R	9912	18815	C-R	473239	189311R1	IH	471689!	18BX10	TRACS	455192!
18732	C-R	473238 =	18817	C-R	473239!	18932D	IH	416738!	18BX10	WHITE	417357
18733	C-R	473238!	18818	C-R	473239	18932D	IH	450096	18BX10	WHITE	455192!
18734	C-R	473238!	188185	US-EL	472015!	189381R91	IH	415060	18BX4	WHITE	417316!
18735	C-R	473238	18821	C-R	473239!	189381R91	IH	455060	18BX5	TRACS	415991
18736	C-R	473238	18822	C-R	473239!	1893OS	JN-MN	415058	18BX5	TRACS	455146!
18737	C-R	473238 =	18823	C-R	473239!*	1894OS	JN-MN	417536	18BX5	WHITE	415991
18743	C-R	473238!	18824	C-R	473239!	18950	C-R	6127	18BX5	WHITE	455146!
18744	C-R	473238!	18824G	VIC	TCS45635	1895028	GMC	471765!	18BX7	TRACS	415219
18747	C-R	473238	18825	C-R	473239!	18951	C-R	224865	18BX7	WHITE	415219
18747A	HEIL	470712!	188252VC	TRSCM	9049	18952	C-R	224840	18BX8	TRACS	415124
18747A	HERCU	470712!	188252VC	TRSCM	9049N	18952	C-R	48X68X10!	18BX8	WHITE	415124
18748	C-R	473238!	18827	C-R	473239	18953	C-R	224840	18BX9	TRACS	417546!
18750	C-R	473238!*	18828	C-R	473239	18955	C-R	224820	18BX9	WHITE	417546!
18754	C-R	473238	188282R1	SELAS	5126	18955	C-R	48X62X8!	18F681D1	HARN	471442!
18755	C-R	473238!	1883	TIMKE	1883	18956	C-R	48X62X8V	18F681D10	HARN	471529
18757	SPICE	472560N	188319	CUMMI	954216T	18957	C-R	48X62X8V	18F681D100	HARN	410825
18757	VIC	472560N	18832	C-R	473239	18958	C-R	224820	18F681D102	HARN	411245!
187571	SPICE	472560N	18833	C-R	7044NA	18959	C-R	710167	18F681D103	HARN	417073
187572	SPICE	472560N	1884	TIMKE	1884	18961	C-R	7105S	18F681D104	HARN	471271!
18759AB	CASE	455566	18841	OLIVE	473228	18962	C-R	224820	18F681D105	HARN	415449!
18762	C-R	473238	18843	C-R	6547	18962	C-R	48X62X8!	18F681D106	HARN	416273!
18763	C-R	5697	18844D	IH	412473!	18963	C-R	224810	18F681D107	HARN	413479
18765	C-R	5697	18850	C-R	473457!	18963	C-R	48X62X8!	18F681D108	HARN	415988
18765A	C-R	470530!	1885665	GMC	340771	18964	C-R	1956	18F681D109	HARN	417481
18768	C-R	6064	188631	US-EL	415327	18965	C-R	1973	18F681D11	HARN	471538!
18769	SIDEW	473214!	1886436	GMC	471137	18965	C-R	48X65X10!	18F681D110	HARN	412871!
18769D	IH	417487	1886996	GMC	240698	18965	CLARK	370021A	18F681D111	HARN	417343!
18770	SIDEW	472179	1886T	GERL	64X80X8	189652	CUMMI	5026\$	18F681D112	HARN	415007
187705	JEFF	415007	1887083	GMC	474253	18966	C-R	1977	18F681D113	HARN	455434
18770D	IH	470059	18872	C-R	473457!*	18966	C-R	48X65X10V!	18F681D114	HARN	455151
18770D	IH	470380!	18874	C-R	473457!	18966	C-R	716484	18F681D115	HARN	455008
18771	C-R	472572	18876	C-R	710255	18967	C-R	224865	18F681D116	HARN	416664!
18772	C-R	6064	18879	C-R	473240	18967	C-R	48X65X10!	18F681D117	HARN	417316!

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

18F681D118 – 18F681D379

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
18F681D118	HARN	415960!	18F681D180	HARN	415035!	18F681D240	HARN	417555!	18F681D309	HARN	415021
18F681D119	HARN	455005	18F681D180	HARN	415035	18F681D241	HARN	417556	18F681D31	HARN	471652
18F681D12	HARN	471579	18F681D181	HARN	417357	18F681D242	HARN	417362!	18F681D31	HARN	482208!
18F681D120	HARN	417485	18F681D181	HARN	455192!	18F681D243	HARN	416666	18F681D310	HARN	471192
18F681D121	HARN	475384	18F681D182	HARN	415036	18F681D244	HARN	416476!	18F681D311	HARN	415196!
18F681D122	HARN	417344!	18F681D183	HARN	55193=	18F681D245	HARN	455297	18F681D313	HARN	415991
18F681D123	HARN	416921!	18F681D184	HARN	455037	18F681D247	HARN	455330!	18F681D313	HARN	455146!
18F681D124	HARN	417134	18F681D186	HARN	415142	18F681D248	HARN	457874	18F681D314	HARN	417211!
18F681D125	HARN	416956	18F681D187	HARN	417512	18F681D249	HARN	55316=	18F681D315	HARN	473214
18F681D126	HARN	416654!	18F681D188	HARN	415043	18F681D25	HARN	471224!	18F681D316	HARN	415035
18F681D127	HARN	417486	18F681D189	HARN	455194	18F681D250	HARN	417562	18F681D316	HARN	415035!
18F681D128	HARN	415995!	18F681D19	HARN	471267!	18F681D251	HARN	55242	18F681D317	HARN	450084!
18F681D129	HARN	417351!	18F681D190	HARN	417513	18F681D252	HARN	417563	18F681D318	HARN	473243
18F681D130	HARN	417487	18F681D191	HARN	417514	18F681D253	HARN	415294!	18F681D319	HARN	473458!
18F681D131	HARN	55155=	18F681D192	HARN	472157	18F681D254	HARN	416229	18F681D32	HARN	471692!
18F681D132	HARN	455015	18F681D192	HARN	472157!	18F681D255	HARN	417298	18F681D320	HARN	472409!
18F681D135	HARN	417621!	18F681D193	HARN	416556!	18F681D256	HARN	415327	18F681D321	HARN	412861
18F681D136	HARN	416288!	18F681D193	HARN	472157	18F681D257	HARN	417596	18F681D322	HARN	411253!
18F681D137	HARN	417171!	18F681D194	HARN	416891!	18F681D258	HARN	455584	18F681D323	HARN	412473!
18F681D138	HARN	456105	18F681D195	HARN	415061!	18F681D259	HARN	416364!	18F681D324	HARN	470059
18F681D139	HARN	455336	18F681D196	HARN	455197N	18F681D26	HARN	471649!	18F681D324	HARN	470380!
18F681D14	HARN	471554!	18F681D197	HARN	417520	18F681D260	HARN	416239!	18F681D325	HARN	410987!
18F681D140	HARN	455022	18F681D198	HARN	416144	18F681D261	HARN	416077	18F681D326	HARN	413469!
18F681D141	HARN	476470	18F681D199	HARN	415196!	18F681D262	HARN	415116	18F681D327	HARN	471795
18F681D142	HARN	417181!	18F681D20	HARN	471570!	18F681D263	HARN	455117	18F681D328	HARN	471820
18F681D143	HARN	415023	18F681D200	HARN	415047	18F681D264	HARN	415317	18F681D329	HARN	415458!
18F681D144	HARN	416292	18F681D201	HARN	416149	18F681D265	HARN	415867	18F681D33	HARN	471763
18F681D145	HARN	415085!	18F681D202	HARN	55199=	18F681D266	HARN	415551	18F681D330	HARN	472409!
18F681D145	HARN	456648	18F681D203	HARN	417525	18F681D267	HARN	417598	18F681D332	HARN	455129
18F681D146	HARN	455024	18F681D204	HARN	417526	18F681D268	HARN	455406!	18F681D334	HARN	417509
18F681D147	HARN	415442!	18F681D205	HARN	327303!	18F681D27	HARN	471689!	18F681D335	HARN	417223
18F681D147	HARN	55442	18F681D206	HARN	416881!	18F681D270	HARN	455397	18F681D336	HARN	412943
18F681D148	HARN	417191	18F681D207	HARN	416153!	18F681D271	HARN	455121	18F681D337	HARN	55358=
18F681D148	HARN	456585	18F681D208	HARN	416892!	18F681D272	HARN	417600	18F681D338	HARN	471103!
18F681D149	HARN	415025	18F681D209	HARN	417533	18F681D273	HARN	417601	18F681D339	HARN	416282
18F681D15	HARN	471567!	18F681D21	HARN	471646!	18F681D274	HARN	455123	18F681D34	HARN	470328
18F681D151	HARN	417492	18F681D210	HARN	417534	18F681D276	HARN	415124	18F681D34	HARN	481213!
18F681D152	HARN	455026	18F681D211	HARN	457585	18F681D277	HARN	417022	18F681D340	HARN	410102
18F681D154	HARN	415991	18F681D212	HARN	415371	18F681D278	HARN	417603!	18F681D341	HARN	471785!
18F681D154	HARN	455146!	18F681D213	HARN	416158	18F681D28	HARN	480210!	18F681D343	HARN	417356!
18F681D155	HARN	417196!	18F681D214	HARN	415064	18F681D280	HARN	417567	18F681D343	HARN	455188
18F681D156	HARN	415437	18F681D215	HARN	415284	18F681D281	HARN	415128	18F681D344	HARN	50478
18F681D156	HARN	415437!	18F681D216	HARN	417535	18F681D282	HARN	455129	18F681D345	HARN	470354
18F681D157	HARN	415027!	18F681D217	HARN	417536	18F681D283	HARN	455462	18F681D346	HARN	470605!
18F681D157	HARN	415027	18F681D218	HARN	415138!	18F681D284	HARN	415090	18F681D347	HARN	417511
18F681D158	HARN	415498	18F681D219	HARN	417247!	18F681D285	HARN	415219	18F681D348	HARN	413246
18F681D159	HARN	417497	18F681D22	HARN	471571	18F681D286	HARN	417606	18F681D349	HARN	415077
18F681D16	HARN	471231!	18F681D220	HARN	415066	18F681D287	HARN	55078S	18F681D35	HARN	473426
18F681D160	HARN	55028	18F681D221	HARN	416163	18F681D288	HARN	55223=	18F681D350	HARN	455144
18F681D161	HARN	416332!	18F681D222	HARN	456890	18F681D289	HARN	417605	18F681D351	HARN	417349
18F681D162	HARN	415937!	18F681D223	HARN	455614	18F681D29	HARN	471651	18F681D352	HARN	493291
18F681D163	HARN	416125!	18F681D224	HARN	416167!	18F681D290	HARN	417020	18F681D353	HARN	43086S
18F681D165	HARN	417501	18F681D225	HARN	417267	18F681D291	HARN	417570	18F681D355	HARN	415259!
18F681D166	HARN	55030	18F681D226	HARN	417269!	18F681D292	HARN	415227!	18F681D356	HARN	470682
18F681D167	HARN	415379	18F681D227	HARN	417539!	18F681D293	HARN	55228=	18F681D357	HARN	416404!
18F681D167	HARN	415379!	18F681D228	HARN	417273	18F681D294	HARN	415482	18F681D358	HARN	417172
18F681D168	HARN	416339	18F681D229	HARN	417540	18F681D295	HARN	415077	18F681D359	HARN	417158!
18F681D168	HARN	455031!	18F681D23	HARN	471647	18F681D297	HARN	473232	18F681D36	HARN	474255
18F681D169	HARN	415150!	18F681D230	HARN	416865!	18F681D298	HARN	415085!	18F681D360	HARN	418028
18F681D17	HARN	474253	18F681D231	HARN	417541	18F681D298	HARN	456648	18F681D360	HARN	455137!
18F681D170	HARN	455178=	18F681D232	HARN	417546!	18F681D299	HARN	415072	18F681D361	HARN	55353
18F681D171	HARN	455032!	18F681D233	HARN	417547	18F681D3	HARN	471472!	18F681D362	HARN	40071S
18F681D172	HARN	455189	18F681D234	HARN	417262!	18F681D30	HARN	471705!	18F681D363	HARN	40097S
18F681D173	HARN	417210!	18F681D235	HARN	415645!	18F681D300	HARN	472636!	18F681D364	HARN	417211!
18F681D174	HARN	416345!	18F681D235	HARN	455104	18F681D301	HARN	415711	18F681D365	HARN	6547
18F681D174	HARN	455033	18F681D236	HARN	417551	18F681D302	HARN	471750!	18F681D367	HARN	46997S
18F681D175	HARN	417366!	18F681D237	HARN	415938	18F681D303	HARN	415001!	18F681D37	HARN	471413
18F681D176	HARN	415034!	18F681D238	HARN	417254	18F681D304	HARN	450104	18F681D372	HARN	417350!
18F681D177	HARN	455191	18F681D239	HARN	416107!	18F681D305	HARN	416865!	18F681D374	HARN	450808
18F681D178	HARN	417506	18F681D239	HARN	455073	18F681D306	HARN	417491	18F681D375	HARN	473462
18F681D179	HARN	415187	18F681D24	HARN	472951	18F681D307	HARN	417490	18F681D377	HARN	40169S
18F681D18	HARN	471645	18F681D24	HARN	474252	18F681D308	HARN	415023	18F681D379	HARN	470898

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
18F681D38	HARN	18F682D101	HARN	18F682D163	HARN	18F682D226	HARN
18F681D380	HARN	18F682D102	HARN	18F682D164	HARN	18F682D227	HARN
18F681D381	HARN	18F682D103	HARN	18F682D165	HARN	18F682D228	HARN
18F681D383	HARN	18F682D104	HARN	18F682D166	HARN	18F682D229	HARN
18F681D39	HARN	18F682D105	HARN	18F682D167	HARN	18F682D23	HARN
18F681D39	HARN	18F682D106	HARN	18F682D168	HARN	18F682D230	HARN
18F681D4	HARN	18F682D107	HARN	18F682D169	HARN	18F682D231	HARN
18F681D40	HARN	18F682D108	HARN	18F682D169	HARN	18F682D232	HARN
18F681D42	HARN	18F682D109	HARN	18F682D17	HARN	18F682D233	HARN
18F681D42	HARN	18F682D11	HARN	18F682D170	HARN	18F682D234	HARN
18F681D43	HARN	18F682D110	HARN	18F682D170	HARN	18F682D235	HARN
18F681D43	HARN	18F682D111	HARN	18F682D171	HARN	18F682D236	HARN
18F681D44	HARN	18F682D112	HARN	18F682D173	HARN	18F682D238	HARN
18F681D45	HARN	18F682D113	HARN	18F682D175	HARN	18F682D239	HARN
18F681D46	HARN	18F682D114	HARN	18F682D176	HARN	18F682D24	HARN
18F681D47	HARN	18F682D115	HARN	18F682D177	HARN	18F682D24	HARN
18F681D48	HARN	18F682D116	HARN	18F682D178	HARN	18F682D240	HARN
18F681D49	HARN	18F682D117	HARN	18F682D179	HARN	18F682D241	HARN
18F681D5	HARN	18F682D118	HARN	18F682D18	HARN	18F682D242	HARN
18F681D50	HARN	18F682D119	HARN	18F682D180	HARN	18F682D244	HARN
18F681D51	HARN	18F682D12	HARN	18F682D181	HARN	18F682D245	HARN
18F681D52	HARN	18F682D120	HARN	18F682D181	HARN	18F682D246	HARN
18F681D53	HARN	18F682D121	HARN	18F682D182	HARN	18F682D247	HARN
18F681D54	HARN	18F682D122	HARN	18F682D182	HARN	18F682D248	HARN
18F681D55	HARN	18F682D123	HARN	18F682D183	HARN	18F682D249	HARN
18F681D56	HARN	18F682D124	HARN	18F682D184	HARN	18F682D25	HARN
18F681D57	HARN	18F682D125	HARN	18F682D185	HARN	18F682D250	HARN
18F681D58	HARN	18F682D126	HARN	18F682D186	HARN	18F682D251	HARN
18F681D58	HARN	18F682D127	HARN	18F682D187	HARN	18F682D252	HARN
18F681D59	HARN	18F682D128	HARN	18F682D188	HARN	18F682D253	HARN
18F681D6	HARN	18F682D129	HARN	18F682D189	HARN	18F682D254	HARN
18F681D60	HARN	18F682D131	HARN	18F682D19	HARN	18F682D255	HARN
18F681D61	HARN	18F682D132	HARN	18F682D190	HARN	18F682D256	HARN
18F681D62	HARN	18F682D133	HARN	18F682D192	HARN	18F682D257	HARN
18F681D63	HARN	18F682D134	HARN	18F682D193	HARN	18F682D258	HARN
18F681D64	HARN	18F682D135	HARN	18F682D194	HARN	18F682D259	HARN
18F681D65	HARN	18F682D136	HARN	18F682D195	HARN	18F682D26	HARN
18F681D66	HARN	18F682D137	HARN	18F682D196	HARN	18F682D260	HARN
18F681D67	HARN	18F682D138	HARN	18F682D197	HARN	18F682D261	HARN
18F681D68	HARN	18F682D139	HARN	18F682D198	HARN	18F682D262	HARN
18F681D69	HARN	18F682D14	HARN	18F682D199	HARN	18F682D263	HARN
18F681D7	HARN	18F682D140	HARN	18F682D20	HARN	18F682D264	HARN
18F681D70	HARN	18F682D141	HARN	18F682D200	HARN	18F682D265	HARN
18F681D71	HARN	18F682D141	HARN	18F682D201	HARN	18F682D266	HARN
18F681D72	HARN	18F682D142	HARN	18F682D202	HARN	18F682D267	HARN
18F681D75	HARN	18F682D143	HARN	18F682D203	HARN	18F682D268	HARN
18F681D76	HARN	18F682D144	HARN	18F682D204	HARN	18F682D269	HARN
18F681D77	HARN	18F682D145	HARN	18F682D205	HARN	18F682D27	HARN
18F681D78	HARN	18F682D145	HARN	18F682D206	HARN	18F682D271	HARN
18F681D79	HARN	18F682D146	HARN	18F682D207	HARN	18F682D272	HARN
18F681D80	HARN	18F682D146	HARN	18F682D208	HARN	18F682D273	HARN
18F681D81	HARN	18F682D147	HARN	18F682D209	HARN	18F682D274	HARN
18F681D83	HARN	18F682D148	HARN	18F682D21	HARN	18F682D275	HARN
18F681D84	HARN	18F682D149	HARN	18F682D210	HARN	18F682D276	HARN
18F681D85	HARN	18F682D149	HARN	18F682D211	HARN	18F682D277	HARN
18F681D86	HARN	18F682D15	HARN	18F682D212	HARN	18F682D278	HARN
18F681D87	HARN	18F682D150	HARN	18F682D213	HARN	18F682D28	HARN
18F681D88	HARN	18F682D151	HARN	18F682D214	HARN	18F682D280	HARN
18F681D89	HARN	18F682D152	HARN	18F682D215	HARN	18F682D282	HARN
18F681D9	HARN	18F682D153	HARN	18F682D216	HARN	18F682D283	HARN
18F681D90	HARN	18F682D154	HARN	18F682D217	HARN	18F682D284	HARN
18F681D92	HARN	18F682D155	HARN	18F682D218	HARN	18F682D285	HARN
18F681D93	HARN	18F682D156	HARN	18F682D219	HARN	18F682D286	HARN
18F681D94	HARN	18F682D158	HARN	18F682D22	HARN	18F682D289	HARN
18F681D95	HARN	18F682D158	HARN	18F682D220	HARN	18F682D29	HARN
18F681D96	HARN	18F682D159	HARN	18F682D221	HARN	18F682D290	HARN
18F681D97	HARN	18F682D159	HARN	18F682D222	HARN	18F682D291	HARN
18F681D98	HARN	18F682D16	HARN	18F682D222	HARN	18F682D292	HARN
18F681D99	HARN	18F682D160	HARN	18F682D223	HARN	18F682D293	HARN
18F682D1	HARN	18F682D161	HARN	18F682D224	HARN	18F682D294	HARN
18F682D10	HARN	18F682D162	HARN	18F682D225	HARN	18F682D296	HARN
18F682D100	HARN	18F682D163	HARN	18F682D226	HARN	18F682D297	HARN

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OIL SEALS

NATIONAL®

18F682D298 – 19095

Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
18F682D298	HARN	18F682D386	HARN	18F682D70	HARN	18Z2555D36	HARN
18F682D299	HARN	18F682D387	HARN	18F682D72	HARN	18Z2783	HARN
18F682D3	HARN	18F682D388	HARN	18F682D73	HARN	18Z410	HARN
18F682D30	HARN	18F682D389	HARN	18F682D74	HARN	18Z715D1	HARN
18F682D301	HARN	18F682D390	HARN	18F682D75	HARN	18Z715D12	HARN
18F682D302	HARN	18F682D391	HARN	18F682D76	HARN	18Z715D13	HARN
18F682D303	HARN	18F682D392	HARN	18F682D77	HARN	18Z715D15	HARN
18F682D305	HARN	18F682D393	HARN	18F682D78	HARN	18Z715D23	FUNK
18F682D306	HARN	18F682D394	HARN	18F682D79	HARN	18Z715D6	HARN
18F682D307	HARN	18F682D395	HARN	18F682D80	HARN	18Z715D7	HARN
18F682D307	HARN	18F682D396	HARN	18F682D81	HARN	18Z715D8	HARN
18F682D308	HARN	18F682D397	HARN	18F682D82	HARN	18Z715D9	HARN
18F682D308	HARN	18F682D398	HARN	18F682D83	HARN	18Z728	HARN
18F682D309	HARN	18F682D399	HARN	18F682D84	HARN	18Z778	HARN
18F682D31	HARN	18F682D4	HARN	18F682D85	HARN	1900-044-009	WARNR
18F682D310	HARN	18F682D40	HARN	18F682D86	HARN	1900-044-009A	FORD
18F682D311	HARN	18F682D40	HARN	18F682D87	HARN	1900-044-009A	WARNR
18F682D313	HARN	18F682D400	HARN	18F682D88	HARN	1900-044-012	WARNR
18F682D314	HARN	18F682D401	HARN	18F682D89	HARN	1900-044-013	WARNR
18F682D315	HARN	18F682D402	HARN	18F682D9	HARN	19000	C-R
18F682D315	HARN	18F682D403	HARN	18F682D90	HARN	190000	SPG
18F682D316	HARN	18F682D404	HARN	18F682D92	HARN	190001	SPG
18F682D317	HARN	18F682D405	HARN	18F682D93	HARN	19003	ONAN
18F682D32	HARN	18F682D406	HARN	18F682D94	HARN	19004	C-R
18F682D321	HARN	18F682D407	HARN	18F682D95	HARN	1900420	GMC
18F682D322	HARN	18F682D408	HARN	18F682D96	HARN	1900862	GMC
18F682D323	FUNK	18F682D409	HARN	18F682D97	HARN	19009	C-R
18F682D323	FUNK	18F682D410	HARN	18F682D98	HARN	19010	C-R
18F682D323	HARN	18F682D411	HARN	18F682D99	HARN	19011	C-R
18F682D323	HARN	18F682D412	HARN	18F689D1	HARN	190119	BR-ST
18F682D325	HARN	18F682D413	HARN	18F689D10	HARN	19012	C-R
18F682D326	HARN	18F682D414	HARN	18F689D11	HARN	190127	BR-ST
18F682D327	HARN	18F682D415	HARN	18F689D4	HARN	19013	C-R
18F682D328	HARN	18F682D416	HARN	18F689D6	HARN	19014	SUPER
18F682D328	HARN	18F682D419	HARN	18F689D7	HARN	19020	C-R
18F682D329	HARN	18F682D42	HARN	18F689D8	HARN	190206	BR-ST
18F682D33	HARN	18F682D422	HARN	18F728	HARN	19021	AT-PL
18F682D330	HARN	18F682D43	HARN	18G20	OSHKO	19024172	EL-PA
18F682D332	HARN	18F682D434	HARN	18T12	ATHEY	190302	BR-ST
18F682D333	HARN	18F682D435	HARN	18UV-0653	WHITE	19032	C-R
18F682D334	HARN	18F682D436	HARN	18UVA0653	WHITE	190324	BR-ST
18F682D335	HARN	18F682D437	HARN	18X28X6SC	TRSCM	19037	BR-ST
18F682D336	HARN	18F682D44	HARN	18X28X6TC	TRSCM	190371	BR-ST
18F682D337	HARN	18F682D45	HARN	18X30X7TC	TRSCM	190397	CUMMI
18F682D338	HARN	18F682D46	HARN	18X30X7TC	TRSCM	190398	CUMMI
18F682D339	HARN	18F682D47	HARN	18X32X7TAN(35)	ISP	190434	JEFF
18F682D34	HARN	18F682D48	HARN	18X32X8SC	TRSCM	190458M1	MASSE
18F682D340	HARN	18F682D49	HARN	18X32X8TC	TRSCM	19046	BR-ST
18F682D341	HARN	18F682D5	HARN	18X35X7	FORSH	19046	OLIVE
18F682D343	HARN	18F682D50	HARN	18X35X7	SIMRT	190466M1	MASSE
18F682D345	HARN	18F682D51	HARN	18X35X7SC	TRSCM	190469	BR-ST
18F682D346	HARN	18F682D52	HARN	18X35X7TC	TRSCM	1905523	FMC
18F682D347	HARN	18F682D53	HARN	18X37X8SC	TRSCM	190596R91	IH
18F682D349	HARN	18F682D54	HARN	18X37X8TC	TRSCM	1906	TIMKE
18F682D35	HARN	18F682D55	HARN	18X38X7SC	TRSCM	19060	C-R
18F682D356	HARN	18F682D56	HARN	18X38X7TC	TRSCM	190618	FMC
18F682D36	HARN	18F682D56	HARN	18X40X7SC	TRSCM	19062	AIRCO
18F682D363	HARN	18F682D57	HARN	18X40X7TC	TRSCM	19062LDS	JN-MN
18F682D364	HARN	18F682D58	HARN	18Z1202	HARN	1906526	GMC
18F682D37	HARN	18F682D59	HARN	18Z1202	HARN	1906526	GMC
18F682D37	HARN	18F682D6	HARN	18Z1583D1	HARN	19067A	HERCU
18F682D375	HARN	18F682D60	HARN	18Z1583D2	HARN	1907D5	WHITE
18F682D376	HARN	18F682D61	HARN	18Z1583D3	HARN	19084LDS	JN-MN
18F682D378	HARN	18F682D62	HARN	18Z1583D5	HARN	19084LDS	JN-MN
18F682D379	HARN	18F682D63	HARN	18Z1598D4	HARN	190850	JEFF
18F682D38	HARN	18F682D64	HARN	18Z1600D1	HARN	1908656	GMC
18F682D381	HARN	18F682D65	HARN	18Z1600D2	HARN	19090	C-R
18F682D382	HARN	18F682D66	HARN	18Z1601D1	HARN	19092	C-R
18F682D383	HARN	18F682D67	HARN	18Z1754D2	HARN	19094	C-R
18F682D384	HARN	18F682D68	HARN	18Z2112D2	HARN	1909498	GMC
18F682D384	HARN	18F682D69	HARN	18Z2250	FUNK	19095	C-R
18F682D385	HARN	18F682D7	HARN	18Z23	HARN	19095	C-R

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
19097	C-R	4904	19237	C-R	3173	193007XX	TIMKE	19X30X7	194008	AU-WS	472924!
1909851	GMC	471466!	19237	C-R	473459!	19301	C-R	472144!	194008	B-L-H	472924!
19099	OLIVE	473232	19238	C-R	5759=	19303TB	TRSCM	472394	194010	AU-WS	470530!
1909957	GMC	450065	19239	C-R	473459	19305	C-R	5531	194010A	HARWA	19X40X10
190X220X16SC	TRSCM	190X220X16	1923936	CHRY	470898	193089	HYST	417362!	194010XX	TIMKE	19X40X10
190X220X16TC	TRSCM	190X220X16	1923937	CHRY	471341!	19309	C-R	472144!*	194012	AU-WS	473463
190X230X13	SIMRT	190X230X13	19240	C-R	473459*	19311	C-R	472144!*	194014	AU-WS	415995!
190X230X16SC	TRSCM	190X230X16	19241	C-R	473459	1931105	CHRY	9773	194016	AU-WS	471553!
190X230X16TC	TRSCM	190X230X16	19242	C-R	473459	19313	C-R	9150S	194018	AU-WS	471554!
191	C-R	5591	19243	C-R	473459*	19314	C-R	3896	19402	C-R	40526S
19100	C-R	710148	19244	C-R	3173	19315TB	TRSCM	471391!	194020	AU-WS	476838!
19102	EATON	713750	19245	C-R	473459	19318	C-R	470530!	194022	AU-WS	471750!
1910379	GMC	6324S=	19246	C-R	473459	193183SL	TRSCM	473462	194024	AU-WS	471354!
19109	FULLE	713750	19247	C-R	473459	193201	BENDI	240414	194026	AU-WS	451948
19112	MICH	471532	19248	C-R	473459	1932011018	WABCO	240009	194028	AU-WS	416738!
1912235	GMC	474278!	19249	C-R	473459	1932011218	WABCO	343185	194028	AU-WS	450096
19125	MICH	473405	192527C1	IH	472179	1932011623	WABCO	240414	194030	AU-WS	472409!
19125	UNIVE	473405	192528C1	IH	471984	193201218	WABCO	343185	194032	AU-WS	473245!
19127LDS	JN-MN	416147	19253TB	TRSCM	471195!	193207A	HARWA	19X32X8	194034	AU-WS	472636!
19137	MICH	471558	19255	C-R	710928	193207XX	TIMKE	19X32X7	194036	AU-WS	412920!
19137	UNIVE	471558*	192572KMJ	TRSCM	9150S	193208XX	TIMKE	19X32X8	194038	AU-WS	416288!
191383	US-EL	330385	1925822	CHRY	456618	193210	HYST	417362!	194040	AU-WS	415034!
19138LUP	JN-MN	455584*	1925823	CHRY	6532S=	19322	C-R	473460	194042	AU-WS	416891!
19146LDS	JN-MN	416268	19259	C-R	450655=	19324	C-R	710394	194044	AU-WS	416137
19160	WHITE	414045!	19259C	IH	473215!	19326	C-R	473460	194046	AU-WS	473214!
1917999	GMC	480210!	19259D	IH	473215!	1932S	TIMKE	1932	19405	C-R	473462*
1918047	GMC	471231!	19262	C-R	473241	19330	C-R	473460	19405	C-R	473462
191833	JEFF	471601	19263TB	TRSCM	473814	193303H1	HOUGH	416107!	194050	AU-WS	470950!
191876	WAUKE	471413!	19264	C-R	473241	193303H1	HOUGH	455073	194050	AU-WS	6241S
19188	DIVCO	5M293	19265SP	TRSCM	5121	19333	C-R	710081	194052	AU-WS	473228
191887	KRSE	412920!	19267	C-R	473241	19333	TMTR	470954	194054	AU-WS	473229
19190	DIVCO	470530!	192683SSB	TRSCM	473459	19334	LEECE	470712!	194056	AU-WS	473232
19195	EATON	410987!	192683TB	TRSCM	473459!	1933772	CHRY	240735	194058	AU-WS	473235!
192	C-R	2261	192683VTB	TRSCM	473459	1933789	CHRY	415991!	19406	C-R	473462
19200	C-R	1936	19269	C-R	450279	1933789	CHRY	415991	19406	C-R	473462*
19207A	C-R	415960	1926D	GOODM	413246	1934676	CHRY	40494S	194060	AU-WS	472185!
19210	C-R	474269!	192706XX	TIMKE	19X27X6	1934786	CHRY	474276!	194062	AU-WS	474265
19210	KINGN	471766!	19271	C-R	2043	19349	C-R	473460	194064	AU-WS	470334!
19211	C-R	710058	1927131	GM	427	1935	TIMKE	1935	194066	AU-WS	473450
19212	C-R	474269	1927131	GM	427RR	19350	C-R	473460*	194068	AU-WS	472144!
19214	C-R	6815	1927290	TAYLR	J1109	1935033	CHRY	476574N	19407	C-R	473462!
19215	C-R	470409	1927291	TAYLR	J1135=	193510XX	TIMKE	19X35X10	194070	AU-WS	473448
19215	C-R	50409	1927293	TAYLR	J1136	19353	C-R	472394	194072	AU-WS	473460
19217	C-R	471195!	1927295	CHRY	417316!	19359	C-R	472394	194074	AU-WS	472394
19218	C-R	6815	19273	C-R	2043	1936	TIMKE	1936	194076	AU-WS	473313
19218A	C-R	470898	19274	C-R	451117N=	19360	C-R	472394	194078	AU-WS	470088
19219	C-R	6815	1927475	TAYLR	345035	19364	C-R	472394*	194080	AU-WS	473462
1921B	GOODM	413247!	1927550	TAYLR	472492!	1937	TIMKE	1937	194082	AU-WS	412119!
19220	C-R	471195!	1927575	TAYLR	417316!	19376	C-R	472394*	194084	AU-WS	411245!
19221	C-R	6815	1927590	TAYLR	417269!	193794	BENDI	470954!	194086	AU-WS	415449!
19223	C-R	9150S	192765TB	TRSCM	2043	193796	HYST	415988	194088	AU-WS	415001!
192238	HYST	200861	19277	C-R	8622	1938	TIMKE	1938	194090	AU-WS	415458!
192239	HYST	JV933	1927C	GOODM	413247!	19380	C-R	473461!*	194092	AU-WS	417316!
19224	C-R	472319	1927D	GOODM	413247!	1938104	GMC	471526!	194094	AU-WS	416921!
192249	HYST	200854	1928	TIMKE	1928	19382	ONAN	471224!	194096	AU-WS	417492
19225	C-R	472319	19281	DIVCO	473203	1938206	CHRY	7896S	194098	AU-WS	415991
192250	HYST	JV1215=	192815TCJ	TRSCM	8622	19383	C-R	472394	194098	AU-WS	455146!
19226	C-R	472319	19283SB	TRSCM	472144	19386	C-R	473461!	1941	TIMKE	1941
19227	C-R	472319=	19284	OLIVE	473215!	19387	C-R	473241	194100	AU-WS	416332!
1922774	CHRY	410825	19285	C-R	472144!	19389	C-R	473461!	194102	AU-WS	415379
19229	C-R	472319	19286	C-R	472144!	1939	TIMKE	1939	194102	AU-WS	415379!
1922A3	DIA	412119=	19288	C-R	472144!	19392	C-R	471391!	194104	AU-WS	416339
1922A3	WHITE	412119=	1928B	GOODM	416271!	19393	C-R	471391!	194104	AU-WS	455031!
19230	C-R	472319	1928D	GOODM	472636!	19396	C-R	471391!	194106	AU-WS	415150!
19231	C-R	473459	19291	C-R	472144!	1939798	GMC	450065	194108	AU-WS	416888!
19232	C-R	473459	19295	C-R	472144!*	19399	C-R	471391!	194110	AU-WS	416892!
19234	C-R	3173	19296	C-R	472144!*	194	C-R	5337	194112	AU-WS	417538
19234	EATON	415458!	19297	C-R	472144!*	1940	TIMKE	1940	194114	AU-WS	417269!
19235	EATON	473464!	192J	OSHKO	470950!	19400	C-R	471391	194116	AU-WS	473227
19235	EATON	473464	192J	OSHKO	6241S	194002	AU-WS	471224!	194118	AU-WS	455566
19236	C-R	3173	1930	TMTR	473212!	194004	AU-WS	450593!	194118	B-L-H	455566
19236	C-R	473459!	19300	C-R	472144!	194006	AU-WS	471733	194120	AU-WS	6936S

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194124	AU-WS	417488!	1942303	CHRY	331228H	194338	AU-WS	416956	195	BUSHH	204002
194126	AU-WS	415036	194232	AU-WS	411394!	194342	AU-WS	6590S	1950	TIMKE	1950
194126	B-L-H	415036	194234	AU-WS	417349	194354	AU-WS	55301S	19500	C-R	5121
194126	CLARK	415036	194236	AU-WS	450313	194358	AU-WS	331107N	195003A	OLIVE	417487
194128	AU-WS	417537	194238	AU-WS	473243	194362	AU-WS	476470	195019M1	MASSE	450446
194128	B-L-H	417537	194240	AU-WS	473473	194366	AU-WS	455406!	195020M1	MASSE	418028
194130	AU-WS	417551	1942401	CHRY	474260	194370	AU-WS	455584	195020M1	MASSE	455137!
194134	AU-WS	473467!	194242	AU-WS	50191	194372	AU-WS	410987!	195021M1	MASSE	471785!
194136	AU-WS	416294!	194246	AU-WS	473236!	194374	AU-WS	480210!	195022M1	MASSE	470774!
194138	AU-WS	472070	194248	AU-WS	450133	194376	AU-WS	470530!	195051A	OLIVE	203025
194140	AU-WS	470898!	194250	AU-WS	413247!	19438	C-R	473461	1950540	C-R	50975=
194140	B-L-H	470898!	194252	AU-WS	470605!	194380	AU-WS	470625!	1951	TIMKE	1951
194142	AU-WS	418029!	194254	AU-WS	327303!	194382	AU-WS	415027	19510	C-R	200371
194142	B-L-H	418029!	194256	AU-WS	415991	194382	AU-WS	415027!	1952	TIMKE	1952
194144	AU-WS	417621!	194256	AU-WS	455146!	194384	AU-WS	417316!	195211M1	MASSE	455079!
194146	AU-WS	415379	194258	AU-WS	415303!	194386	AU-WS	415725!	195218M1	MASSE	415150!
194146	AU-WS	415379!	194260	AU-WS	417474	194388	AU-WS	7208S	195226M1	MASSE	413247!
194148	AU-WS	473016!	194262	AU-WS	471504!	194390	AU-WS	470625!	195245M1	MASSE	473215!
194150	AU-WS	473215!	194262	B-L-H	471504!	194392	AU-WS	416476!	195255M1	MASSE	455008
194152	AU-WS	470059	194262D	GARLK	5121	194393H1	IH	416888	195271M1	MASSE	6668S
194152	AU-WS	470380!	194264	AU-WS	416664!	1944	NATL	494117	195287M1	MASSE	480630!
194156	AU-WS	482253	194266	AU-WS	415060	194402	AU-WS	417563	195291M1	MASSE	471224!
194158	AU-WS	473234	194266	AU-WS	455060	194408	AU-WS	476470	1953	WMG	1953
194160	AU-WS	470334!	194268	AU-WS	416153!	194411	AU-WS	417621!	195321M1	MASSE	240735
194160	AU-WS	50289	194270	AU-WS	415938	194412	AU-WS	415442!	19534	EATON	473238
194162	AU-WS	410694!	194270	B-L-H	415938	194413	AU-WS	415074	19535	EATON	410737!
194164	AU-WS	450104	194270	CLARK	415938	194414	AU-WS	415146!	19536	EATON	411253!
194166	AU-WS	416444	194271M1	MASSE	6668S	194414	AU-WS	415991	195367M1	MASSE	46997S
194170	AU-WS	412473!	194272	AU-WS	415072	194415	AU-WS	415138!	19537	EATON	416654!
194170	B-L-H	412473!	194274	AU-WS	471689!	194416	AU-WS	415035!	1953S	TIMKE	1953
194172	AU-WS	417210!	194276	AU-WS	415294!	194417	AU-WS	471271!	1954	NATL	224820
194174	AU-WS	417205!	194278	AU-WS	473225!	194418	AU-WS	470625!	195452M1	MASSE	472354!
194176	AU-WS	416107!	19428	C-R	710281	194419	AU-WS	472311!	195458M1	MASSE	50528
194176	AU-WS	455073	194280	AU-WS	417254	194420	AU-WS	415437	195459M1	MASSE	473010
194178	AU-WS	415138!	194282	AU-WS	473238	194421	AU-WS	415027	195474M1	MASSE	472492!
194180	AU-WS	40337S	194282UB	TRSCM	200371	194422	AU-WS	472185!	1955	TIMKE	1955
194182	AU-WS	450033	194284	AU-WS	415483!	194423	AU-WS	471466!	195501M1	MASSE	472560N!
194184	AU-WS	470712!	194286	AU-WS	417172	194423H1	HOUGH	416404!	195501M1	PERKI	712140
194186	AU-WS	411376!	194288	AU-WS	471270!	194425	AU-WS	415899N	195506M1	MASSE	470334!
194188	AU-WS	471271!	194290	AU-WS	456105	194425	AU-WS	416624	195523M1	MASSE	450604
19419	C-R	40094S	194292	AU-WS	42352S	194426	AU-WS	415085!	195536	CLARK	470954!
194190	AU-WS	417171!	194292H1	IH	415995!	194427	AU-WS	240733	195555M1	MASSE	472924!
194192	AU-WS	417181!	194294	AU-WS	415035	194428	AU-WS	240735	195557M1	MASSE	410987=
194194	AU-WS	40067S=	194294	AU-WS	415035!	194429	AU-WS	417316!	195557M1	TRU-P	410987=
194196	AU-WS	45187S	194296	AU-WS	417351!	194430	AU-WS	471138!	195677M1	MASSE	415984!
1941963	EL-WH	350364	194298	AU-WS	417546!	194431	AU-WS	417343!	195678M1	MASSE	470898
194200	AU-WS	472572!	194298	B-L-H	417546!	194432	AU-WS	417344!	195678M2	MASSE	470898
194202	AU-WS	450089	1943	TIMKE	1943	194435	AU-WS	473237!	1956S	TIMKE	1956
194202	B-L-H	450089	194300	AU-WS	417159	194436	AU-WS	470954!	195757M1	MASSE	473461!
1942020	CHRY	331227H	194302	AU-WS	415302	19445	C-R	450965	195758M1	MASSE	473236!
194204	AU-WS	416404!	194304	AU-WS	472016	19447	C-R	45653S	195759M1	MASSE	473214
194206	AU-WS	417344!	194304	CLARK	472016!	19449	C-R	417474	195760M1	MASSE	472258
194206	B-L-H	417344!	194306	AU-WS	473244	194494MI	MASSE	JV1236=	195761M1	MASSE	473423
194208	AU-WS	417355!	194306	B-L-H	473244	194495	US-EL	472397!	195763M1	MASSE	471829
194210	AU-WS	471424!	194308	AU-WS	40555	19450	C-R	417474*	19577A	C-R	470059
194212	AU-WS	472439	194308	AU-WS	40555S!	19455	C-R	6074	19577A	C-R	470380
194214	AU-WS	473459	194310	AU-WS	55367=	1946	NATL	224252	195786H1	IH	415137!
194216	AU-WS	415645!	194312	AU-WS	450269	19466	C-R	456057	195786H1	IH	418028
194216	AU-WS	455104	194314	AU-WS	413469!	1947	NATL	228020	1958	TIMKE	1958
194218	AU-WS	472492!	194316	AU-WS	417487	1947	NATL	80X105X13!	195870M1	MASSE	472560N!
19422	C-R	473462	194318	AU-WS	410825	194707XX	TIMKE	19X47X7	19588F	OSHKO	415138!
19422	C-R	473462*	194320	AU-WS	417538	1947581	CHRY	3095	1959	TIMKE	1959
194220	AU-WS	470354	194322	AU-WS	472164!	1948	TIMKE	1948	195925M91	MASSE	471413
194222	AU-WS	50528	194324	AU-WS	473467!	1949	TIMKE	1949	1959331	GM	420
194224	AU-WS	471267!	194326	AU-WS	455290	1949350	CHRY	7188S	19599	C-R	710192
194226	AU-WS	472258!	194326	B-L-H	455290	194993	DOMGA	353135	196	C-R	5095
194228	AU-WS	450307	194326	CLARK	455290	194993	DOMGA	474278!	1960	C-R	5X16X5*
19423	C-R	473462*	194328	AU-WS	472157!	194993	DOMIN	353135	1960	TIMKE	1960
19423	C-R	473462	194328	AU-WS	472157	194993	DOMIN	474278!	19600	C-R	1209
194230	AU-WS	471192	194330	AU-WS	450143	1949933	CHRY	353135	19600	C-R	225010
194230	B-L-H	471192	194332	AU-WS	471271!	1949933	CHRY	474278!	19600	C-R	50X65X8!
194230	CLARK	471192	194334	AU-WS	471689!	19475	WHITE	472636!	19601	C-R	1209

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Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial
196011	SPERY	471272!	19644	C-R	5695	19745	C-R	352541	19817D	IH	471554!
19602	C-R	225005	19645	C-R	225035	19746	C-R	40410S	19818	C-R	471750
19602	C-R	50X62X7!	19645	C-R	50X72X8!*	19747	C-R	4148	19818K	SUL	471750!
19603	C-R	225005	196452C1	IH	412943	19748	C-R	40401	19818M1	C-R	471750
196035M1	MASSE	471760	19646	C-R	225035*	19750	C-R	352541	19819	C-R	470050*
19604	C-R	710098	19646	C-R	50X72X8!	19750	FMC	470059	19819	FAIRB	470050
19605	C-R	225010	196465H1	HOUGH	415023	19750	FMC	470380!	1982	NATL	3771
19605	C-R	50X65X8!	196465H1	IH	415023	19753	C-R	4739	1982	WMG	3771
19606	C-R	1209	19649	C-R	225035	19753	C-R	8871	19820	C-R	5865
19606	C-R	50X65X8V!	19649	C-R	50X72X8!*	19754	C-R	40401	19821	C-R	331107N
196069	HYST	411245!	196495	ALLCH	416339	19756	C-R	50514	19822	C-R	472492!
19607	C-R	473814	196496	ALLCH	415867	19757	C-R	9015S*	19823A	C-R	470606
196071	HYST	418028	1965	TIMKE	1965	19758	C-R	471424!	19824	C-R	472492!
196072	HYST	J1122	19652	C-R	225040	19759	C-R	471424!	19824A	C-R	415483!
196073	HYST	J1114=	19653	C-R	41081S=	1975S	TIMKE	1975	19825	C-R	472492!
19608	C-R	1948	19654	C-R	50X75X10!	1976	NATL	223542	19827	C-R	472492!
19608	C-R	50X68X8!	19654	C-R	50X75X12!*	1976	NATL	35X55X11!	19829	C-R	472492!
19609	C-R	7751H	19654	C-R	50X75X8!	19760	C-R	471424!	198291	HYST	417349!
1961	NATL	222242	19655	C-R	50X75X7	19761	C-R	9015S	1983	NATL	225230
19610	C-R	7751H	19656	C-R	710137	19761D	IH	415458	1983	NATL	52X72X8!
1961007	LILIS	470380!	1966	TIMKE	1966	19762	C-R	471424	19830	C-R	8804S=
19611	C-R	225020	19660	C-R	40370S	19763	C-R	4148	19831	C-R	472492!
19611	C-R	50X68X8V!	19661	C-R	50X78X8	19766	C-R	8871	19832	C-R	472492!
19613	C-R	710194	19662	C-R	225050	19767	C-R	40410S	19834	C-R	40389S
19614	C-R	50X68X8V!	19662	C-R	50X80X8!	19768	C-R	9406S	19835	C-R	472492!
19615	C-R	450472!	19663	C-R	225050*	19770	C-R	292594	19836	C-R	472492!
19616	C-R	1948	19663	C-R	50X80X8!*	197705A	OLIVE	450400	19837	C-R	472492!
19617	C-R	450655=	19664	C-R	50X80X8	19773	C-R	3794	19838	C-R	472492!
19618	C-R	1948*	19665	C-R	225050	19775	C-R	471870!	19839	C-R	3404
19618	C-R	50X68X8!*	19665	C-R	50X80X8!	197752	SPERY	417349	19839	C-R	472492
19619	C-R	1948*	19666	C-R	50X80X8V	19776	C-R	4148	1984	TIMKE	1984
19619	C-R	50X68X8!*	19668	C-R	225082	19777	C-R	471424!	19844	C-R	200881
1962	TIMKE	1962	19670	C-R	50528	19778	C-R	471870!	198477	ALLCH	416282
19620	C-R	450911N!	19671	C-R	50528	19779	C-R	471870!	19848	C-R	472653!
19621	C-R	710194	19672	C-R	710112	1978	WMG	224270	19851	C-R	493524
19622	C-R	225005	19674	C-R	50X85X10	19780	C-R	471870!	19852	C-R	331301N
19623	C-R	710529	19675	C-R	50X85X8	19781	C-R	40360S!	19853	C-R	472924!*
19624	C-R	1974	19677	C-R	225082	19783	C-R	40360S!	19854	C-R	472924!*
19626	C-R	1974	19679	C-R	50X88X8	19784	C-R	4739	19855	C-R	472924!*
19627	C-R	1974	1968	NATL	1174	19785	C-R	474272!	19856	C-R	472924!*
196272SA	TRSCM	450911N	19680	C-R	450111	19785	C-R	474272*	19857	C-R	472924!*
19628	C-R	1974	19682	GEM	240319	19786	C-R	474272*	198578	ALLCH	415234!
19628	C-R	710357	19684	C-R	50X90X8	19786	C-R	474272	19857D	IH	450048
196286	SPERY	473313!	19686	C-R	50X90X10V	19787	C-R	471870!	1985S	TIMKE	1985
196297	ALLCH	256616=	19687	C-R	710117	19788	C-R	43073S	19860	C-R	472924!*
196298	ALLCH	415142	19689	C-R	710071	19789	C-R	474272	19864	C-R	472924*
1962984	ALLCH	415142	1969	TIMKE	1969	1979	TIMKE	1979	19868	C-R	472924!*
1963	TIMKE	1963	19690	C-R	450497=	19793	C-R	710365	1986S	TIMKE	1986
19630	C-R	1960	196927	SPERY	415867	19797	LEECE	470712!	19872	C-R	472924!
19630	C-R	50X70X8!	19698	C-R	476512	197974H1	HOUGH	415458!	19873	C-R	472924!
19630	C-R	50X70X9!	1970	SPG	30X42X7	1979784	GM	421	198742H1	IH	415447
19631	C-R	50X70X10V	1970	TIMKE	1970	19799	C-R	3404	19876	C-R	472924
19632	C-R	50X70X8!*	19702D	IH	50075=	198	C-R	5068	1987S	TIMKE	1987
19632	C-R	50X70X9!	19707D	IH	471570!	1980	NATL	3771	1988	NATL	227410
19632	C-R	710173	19709	C-R	1941	1980	TIMKE	1980	19880	C-R	200339
19634	C-R	50X70X10V!*	1971	TIMKE	1971	19803	C-R	5113	19880	C-R	472924!
19635	C-R	710173	197116	C-R	474276	19804	C-R	5113	19881	CLAYN	416404!
19636	C-R	50X72X8V!	19712	C-R	450342	19804	C-R	7721	19882	C-R	8998
19638	C-R	225030	19714	C-R	471747!	19805	C-R	474272	19884	C-R	320259
19638	C-R	50X72X8!	19714M1	C-R	471747!	19806	C-R	472492!	19886	C-R	472924!
1963807C1	CASE	471264!	19715	C-R	473428	19807	C-R	331107N	19887	C-R	320259
1963843C1	CASE	472705!	19716	C-R	473426	19808	C-R	472572!	19887	C-R	472924!
19639	C-R	225035	19718	C-R	471750	1981	VIC	222430	19888	C-R	48X88X8
1964	TIMKE	1964	19718M1	C-R	471750	19810	C-R	472492!	1989	TIMKE	1989
19640	C-R	225030	19719	C-R	470050	198116	ALLCH	474276!	19890	C-R	472924!
19640	C-R	225035*	19720	C-R	200885	198116	C-R	474276	198908	ALLCH	415725!
19640	C-R	50X72X8!	1973	TIMKE	1973	19812	C-R	450342	19891	C-R	472924!
19641	C-R	225035	19730	C-R	4189H	19812D	IH	471554!	198921	US-EL	471138!
19641	C-R	225040*	1973110	OSHKO	370003A	19814	C-R	471747!	19893	C-R	8998
19641	C-R	50X72X8V!	19739	C-R	452261H	19814M1	C-R	471747!	19895	C-R	472924!
19643	C-R	450474*	1974	TIMKE	1974	19815	C-R	473428*	19896	C-R	472924!
19643	C-R	5695	19743	C-R	4148	19816	C-R	473426*	19898	C-R	472924

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
19898	C-R	472924=	19970	WHITE	50560	19X32X8TC	TRSCM	19X32X8	1BG9424	WHITE	417316!
19899	C-R	472924!	199717R91	IH	472299	19X35X10	NATL	45031S	1BH9425	WHITE	415960
1989977	GMC	425RR	19975	C-R	470530!	19X35X10SC	TRSCM	19X35X10!	1BJ9424	WHITE	415960!
198W118M1	C-R	471750	19976	C-R	470530!	19X35X10TC	TRSCM	19X35X10!	1BJ9425	WHITE	417344!
198W14	C-R	471747!	19977	C-R	470530*	19X40X10	SIMRT	19X40X10	1BK9424	WHITE	416404!
198W14-M1	C-R	471747!	19977	C-R	470530!	19X40X10SC	TRSCM	19X40X10	1BK9425	WHITE	417344!
198W18	C-R	471750	19978	C-R	40085S	19X40X10TC	TRSCM	19X40X10	1BN9424	WHITE	417487
198W18M1	C-R	471750	19979	C-R	470530=	1A122	NOVO	471466!	1BR9424	WHITE	417621!
199	C-R	5092	1998	NATL	222510	1A3253	LEYLD	472258!	1BR9425	WHITE	417171!
1990	TIMKE	1990	19980	C-R	470530!	1A3472	FED	470334!	1BS9424	SPICE	417171!
19900	C-R	472924*	19980D	IH	412861	1A3473	FED	471750!	1BS9424	WHITE	417171!
19900	C-R	472924=	19981	C-R	470530	1A3480	FED	473215!	1BV9424	WHITE	417181!
19901	C-R	472924!	19982	C-R	470530*	1A3737	FED	470530!	1BW9424	WHITE	415023
19902	C-R	472924!	19983	C-R	470530	1A4194	FED	45637S	1C108	NOVO	450593!
19904	C-R	472924!	199835	FWD	HU009A	1A4256	FED	481568!	1CA60536	FWD	473229
199044H1	HOUGH	476470!	199836	FWD	730003	1A4664	FED	473179	1CAA9424	WHITE	415302
199044H1	HOUGH	476470	19985	C-R	470530	1A5543	FED	473367!	1CD9424	WHITE	417501
19905	C-R	710263	19986	C-R	470530	1A5543	FED	473367	1CG9424	WHITE	416339
19906	C-R	472924!*	19988	C-R	470530	1A6032	FED	330385	1CG9424	WHITE	455031!
199072	JEFF	471192	199881	FWD	HU024A	1A6054	FED	417344!	1CR9424	WHITE	412943
1991	C-R	471760*	199882	FWD	730004	1A7214	FED	471689!	1CS1918	FWD	471466!
1991	NATL	1953	199884	FWD	HU028A	1A7222	FED	473228	1CS2049	FWD	470334!
1991	NATL	42X60X7!	199885	FWD	730001	1A7372	FED	471192	1CU9424	WHITE	411245!
199112	C-R	472258*	199899	FWD	730016	1A78062	FWD	473227	1CX9424	WHITE	415138!
199114	JEFF	471357	1999	TIMKE	1999	1A78062	WAUKE	473227	1D1443A	OLIVE	416292
199114	JEFF	455192!	19990	C-R	40301S	1AA9424	WHITE	473228	1D3561	LEYLD	472164!
199123R91	IH	456618	199902	FWD	HU066A	1AD9424	WHITE	473367	1D4321	CATER	412943
199124R91	IH	415351!	19991	C-R	472397	1AD9424	WHITE	473367!	1D4324	CATER	412943
19913	C-R	450159*	19992	C-R	472397!	1AG9424	SPICE	472179	1D4326	CATER	415988
19914	C-R	472082*	19993	C-R	472397!	1AG9424	WHITE	472179	1D4327	CATER	416921!
19915	C-R	472082	19994	C-R	472397	1AK9424	WHITE	472572!	1D4901	CATER	412119!
19917	C-R	472082	19998	C-R	472397!	1AN9424	WHITE	472924!	1D5567	CATER	417554!
19918	C-R	471766!	19999	C-R	472397!*	1AR9424	WHITE	472015!	1D5568	CATER	471750!
19918M1	C-R	471766!	19DKB-0214	WHITE	415960	1AU9424	WHITE	411253!	1D5973	CATER	450065
1992	TIMKE	1992	19DT633	OSHKO	415379	1AV9424	WHITE	472636!	1DA9424	WHITE	416167!
19922	C-R	472082	19FK0431	WHITE	415449!	1AX9425	WHITE	416271!	1DD9424	WHITE	471765!
19923	C-R	472082=	19QJ-122	MACK	HU036A	1B1057	CATER	411253!	1DE9424	WHITE	471354!
19928	C-R	470645*	19QJ-123	MACK	HU110A	1B1064	CATER	415960!	1DG9424	WHITE	472144!
199294H1	HOUGH	473010!	19QJ-238	MACK	HU036A	1B1065	CATER	415023	1DK9424	WHITE	455336
1992M	BRAD	471553!	19QJ-245	MACK	HU031A	1B1069	CATER	450593!	1DN9424	WHITE	473225!
1993	TIMKE	1993	19QJA-29302	MACK	HU024A	1B1072	CATER	473419	1E0011	CATER	416113V
199303	US-EL	471255!	19QJA-29304	MACK	HU009A	1B1443	OLIVE	455434	1E1039	CATER	416113V
19932	C-R	470530!	19QJA-29305	MACK	HU009A	1B1477	FED	412119!	1E104	DIA	46997S
19933	KINGN	473205	19QJA-29306	MACK	HU036A	1B1785	CATER	415034!	1E105	DIA	472144!
199334	WAUKE	416865!	19QJA-29307	MACK	HU009A	1B2245	CATER	470334!	1E1087	OLIVE	473214!
19935	C-R	205044	19QJA-29308	MACK	HU009A	1B2256	CATER	413469!	1E1110	OLIVE	410987!
19938	C-R	205044	19QJA-29309	MACK	HU024A	1B2257	CATER	473444	1E1443	OLIVE	471138!
19939	C-R	4598	19QJA-310	MACK	HU036A	1B2257	CATER	473444!	1E1569	OLIVE	412871!
1994	TIMKE	1994	19QJA-310-P1	MACK	HU036A	1B2258	CATER	473367!	1E1582	OLIVE	470565!
19940	C-R	205044*	19QJA-311	MACK	HU031A	1B2258	CATER	473367	1E1588	OLIVE	451817
199417	B-L-H	471271!	19QJA-312	MACK	HU149A	1B2346	CATER	470059	1E1590	OLIVE	471267!
19942	C-R	470530!	19QJA-313	MACK	HU009A	1B2346	CATER	470380!	1E174	DIA	472179
19944	C-R	470530!	19QJA-314	MACK	HU058A	1B2418	CATER	472924!	1E2006	CATER	416113V
199451	WAUKE	J1137=	19QJA-315	MACK	HU057A	1B2418	WESTR	472924!	1E267	ALLCH	455008
199451A	WAUKE	J1107	19QJA-316	MACK	HU012A	1B2477	CATER	416125!	1E3377	OLIVE	472492!
199451C	WAUKE	J1115	19QJA-317	MACK	HU024A	1B2729	CATER	470530!	1E3512	OLIVE	240009
19948	C-R	470530!	19QJA-318	MACK	HU009A	1B287337316	GACO	239129	1E575	OLIVE	240731
19949	C-R	470530!	19QJA-319	MACK	HU009A	1B4868	CATER	415025	1E620	OLIVE	472299
19951	C-R	470530!	19QJA-320	MACK	HU149A	1B5990	CATER	470088	1E693	OLIVE	473239
19953	C-R	470530!	19QJA-325	MACK	HU036A	1B5997	CATER	471354!	1E930	OLIVE	471224!
19957	C-R	470530!	19QJA-39301	MACK	HU036A	1B6029	CATER	474265	1EX14398	ALLCH	416888
19960	C-R	470530!	19SKB-0214	WHITE	472164!	1B6256	LEYLD	471224!	1EX22579	ALLCH	417191
19965	C-R	40085S	19SKB-024	WHITE	472164!	1B6574	FED	470354	1EX22580	ALLCH	J1123
199653R91	IH	471195!	19UG-0214	WHITE	473227!	1B7308	FED	471466!	1EX24199	ALLCH	471760
19968	C-R	470530!	19UG-024	WHITE	473227!	1B7493	NAPCO	412119!	1EX26327	ALLCH	472492!
19969	C-R	470530!	19UG-0431	WHITE	411253!	1B8212	CATER	50026	1F0636	CATER	416107!
19969	C-R	470530*	19X27X6SC	TRSCM	19X27X6	1B936	CATER	415001!	1F0636	CATER	455073
1997	NATL	1012	19X27X6TC	TRSCM	19X27X6	1B9919	CATER	471466!	1F100175	UNIVE	471689!
1997	NATL	1012N	19X30X7ASN	ISP	19X30X7	1B9919	WESTR	471549!	1F11113	MURRA	410987!
1997	NATL	45X62X8!	19X32X7	SIMRT	19X32X8	1BA9424	WHITE	415449!	1F5477	CATER	471442!
19970	C-R	470530!	19X32X7AN(35)	ISP	19X32X7	1BA9425	WHITE	415960	1F5478	CATER	471255!
19970	C-R	470530*	19X32X8SC	TRSCM	19X32X8	1BB9425	WHITE	415449!	1F5479	CATER	471554!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
1F5480	CATER	471570!	1L7560	CATER	415725=	1X1990	FMC	417357	1X3686	FMC	416892!
1F5482	CATER	476838!	1L9349	CATER	416229	1X2066	FMC	415138!	1X3693	FMC	416865!
1F5482	CATER	476838*	1M1110	OLIVE	415458!	1X2098	FMC	417171!	1X3810	FMC	455191
1F5483	CATER	472287!	1M1460	HU-WR	471504!	1X2312	FMC	455178=	1X3820	FMC	416476!
1F5484	CATER	474281!	1M3003	CATER	417350=	1X2312	LK-BT	455178=	1X3966	FMC	J1131
1F5485	CATER	415458!	1M7657	FORD	410059	1X2354	FMC	417298	1X3967	FMC	415074
1F5514	CATER	40059S	1M7657	FORD	470380!	1X2354	LK-BT	417298	1X4027	FMC	455396
1F5692	CATER	472705!	1M77334	FORD	473459	1X2412	FMC	415389	1X4280	FMC	415128
1F636	CATER	416107!	1N9349	CATER	471785=	1X2446	FMC	415035	1X4395	FMC	J1127
1F636	CATER	455073	1N9424	WHITE	450593!	1X2446	FMC	415035!	1X4396	FMC	415697!
1F7891	CATER	471649!	1P4879	CATER	710009	1X2446	LK-BT	415035	1X4396	FMC	455547
1F880	CATER	416865!	1P5387	CATER	455079!	1X2446	LK-BT	415035!	1X4411	FMC	417546!
1G9424	WHITE	471554!	1P7657	FORD	7692S	1X25215	IH	416865!	1X4427	FMC	416154!
1H1036	CATER	341022	1P7657A	FORD	410059	1X2527	FMC	481537	1X4429	FMC	J1126
1H1110	OLIVE	472636!	1P7657A	FORD	470380!	1X2527	LK-BT	481537	1X4461	FMC	416339
1H2265	CATER	471504!	1P7657A3	FORD	410059	1X2570	FMC	412920!	1X4556	FMC	J1140
1H2439	CATER	415995!	1P7657A3	FORD	470380!	1X2570	LK-BT	412920!	1X4889	FMC	417600
1H275	OLIVE	50199S!	1P77265R	FORD	408	1X2571	LK-BT	473214	1X4W7H426AA	FORD	100731V
1H275	OLIVE	6863S!	1P77288A	FORD	240816	1X2578	FMC	472016	1X5446	FMC	415449!
1H3339	LEYLD	1097N	1P77288B	FORD	7929S	1X2578	LK-BT	472016	1X5448	FMC	416892!
1H4439	CATER	240356	1P77837	FORD	473459	1X2666	FMC	417262!	1X5475X	FMC	416865!
1H4663	CATER	470565!	1P77837A	FORD	473459	1X2666	LK-BT	417262!	1X5589	FMC	417551
1H5959	CATER	473016!	1P77837B	FORD	473459	1X2671	FMC	417357	1X5603	FMC	481537
1H5959	WESTR	473016!	1P77837B3	FORD	473459	1X2671	FMC	455192!	1X5695	FMC	415551
1H790	CATER	415035	1P77837B4	FORD	473459	1X2671	LK-BT	417357	1X5696	FMC	JX1190
1H8371	CATER	471192	1PS396	C-P	473225!	1X2671	LK-BT	455192!	1X5703	FMC	416229
1J2150	CATER	415991	1QFL330	MACK	370019A	1X2738	LK-BT	415995!	1X5703P	FMC	416229
1J2150	CATER	455146!	1R9424	WHITE	476838!	1X2833	LK-BT	415187	1X5718X	FMC	417571
1J2258	CATER	416666	1S1115	CATER	473235!	1X2834	LK-BT	415066	1X5785	FMC	470898
1J2381	CATER	471281!	1S1164	CATER	3893V!	1X2943	LK-BT	417551	1X5832P	FMC	417364
1J2382	CATER	470712!	1S1164	CATER	415379!	1X2944	FMC	J1138	1X5872P	FMC	415371
1J3540	CATER	710010	1S1369	CATER	456462	1X2944	LK-BT	J1138	1X5924P	FMC	415150!
1J4034	CATER	415027!	1S2234	CATER	456464	1X2956	FMC	J1136	1X6876	FMC	472636* =
1J4220	CATER	415295	1S5347	CATER	2792	1X2956	LK-BT	J1136	1X6878	FMC	417191* =
1J4240	CATER	415295	1S6543	CATER	410825	1X2967	FMC	415074	1X6880	FMC	471271*
1J4587	CATER	471554	1S79	CATER	415031N=	1X3193	FMC	J1128	1X9424	WHITE	471192
1J7063	CATER	415138!	1S8814	CATER	415899N	1X3193	LK-BT	J1128	1Z6407	CATER	447060V=
1J8388	CATER	472016	1S8814	CATER	416624	1X3230	FMC	417255	2-68630058	OWS	340817
1JG7	KEN	415960	1SK9424	WHITE	472572!	1X3230	LK-BT	417255	2-68630481	OWS	415379
1K1110	OLIVE	471766!	1SPC22	NOVO	471255!	1X3231	LK-BT	J1278=	2-68630515	OWS	415035
1K1443	OLIVE	416921!	1T0467	CATER	415035	1X3235	FMC	417357	2-68630515	OWS	415035!
1K1582	OLIVE	323138!	1T1366	CATER	415995!	1X3235	LK-BT	417357	2-A6475	BENDI	417316!
1K1588	OLIVE	410496!	1T467	CATER	415035	1X3235	LK-BT	455192!	2-C211	HWY	417556
1K1590	OLIVE	471192	1T9424	WHITE	470712!	1X3236	FMC	417551	2-J227	NOVO	473419
1K2053	OLIVE	472354!	1U319	ULRIC	450400	1X3236	LK-BT	417551	2-JG10	KEN	410102
1K2212	OLIVE	340413	1W5729	CATER	J1984* =	1X3295	FMC	417556	2-JG13	KEN	473231
1K2262	OLIVE	411	1W6974	CATER	39894	1X3327	FMC	J1124	2-JG14	KEN	50560
1K4713	CATER	413478	1W6977	CATER	39893	1X3329	FMC	J1125	2-JG15	KEN	410496!
1K620	OLIVE	472439	1WB7	OSHO	416071	1X3330	FMC	J1118	2-JG16	KEN	370036A
1K693	OLIVE	455079!	1X1137	FMC	415991	1X3330	LK-BT	J1118	2-JG17	KEN	415137!
1K6981	CATER	710017	1X1137	FMC	455146!	1X3337	FMC	417433	2-JG17	KEN	418028
1K6982	CATER	710018	1X1137	LK-BT	415991	1X3337	LK-BT	417433	2-JG2	KEN	5401
1K6983	CATER	450307	1X1137	LK-BT	455146!	1X3338	FMC	417541	2-JG21	KEN	412119
1K73186	MURRA	416664!	1X1138	FMC	416888!	1X3338	LK-BT	417541	2-JG22	KEN	470530!
1K752A	OLIVE	471571	1X1138	LK-BT	416888!	1X3345	FMC	417512	2-JG23	KEN	472179
1K7983	CATER	472924!	1X1461	FMC	417238	1X3353	FMC	J1122	2-JG24	KEN	6270
1K9424	SPICE	471570!	1X1461	LK-BT	417238	1X3353	LK-BT	J1122	2-JG26	KEN	6489
1K9424	WHITE	471570!	1X1484	FMC	455117	1X3360	LETN	415449!	2-JG27	KEN	6635S
1L1110	OLIVE	416271!	1X1501	FMC	415187	1X3363	FMC	473228	2-JG28	KEN	415138!
1L1443	OLIVE	472016	1X1666	FMC	455584	1X3385	FMC	J1120=	2-JG3	KEN	5403
1L2094	CATER	473197	1X1666	LK-BT	455584	1X3389	FMC	416239!	2-JG30	KEN	417262!
1L2P-7052BA	FORD	4765	1X1743	FMC	415294!	1X3422	FMC	416865!	2-JG31	KEN	6872S
1L2Z-7052BA	FORD	4765	1X1743	LK-BT	415294!	1X3423	FMC	455330!	2-JG32	KEN	417254
1L2Z-7B215EA	FORD	710403	1X1841	FMC	415379	1X3424	FMC	J1141	2-JG33	KEN	417349
1L3W4674AA	FORD	4278	1X1841	FMC	415379!	1X3446	FMC	415072	2-JG34	KEN	416500
1L4776	CATER	470625!	1X1841	LK-BT	415379	1X3461	FMC	417600	2-JG37	KEN	472636!
1L4777	CATER	471344	1X1841	LK-BT	415379!	1X3541	FMC	415379	2-JG38	KEN	416282
1L620	OLIVE	473234	1X1843	FMC	470898!	1X3541	FMC	415379!	2-JG4	KEN	5405
1L620B	OLIVE	471692!	1X1843	LK-BT	470898!	1X3554	FMC	J1134	2-JG5	KEN	5406
1L693	OLIVE	412943	1X1861	FMC	417495	1X3589	FMC	417191	2-JG7	KEN	5408
1L7204	CATER	471487	1X1861	LK-BT	417495	1X3589	FMC	455165!	2-JG9	KEN	50631
1L7204	CATER	417487!	1X1865	LK-BT	415449!	1X3591	FMC	J1123	2-SPC22	NOVO	471763

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
2/5-F990	ROCKW	472016	20011207	TROS	471765!	200301	MICH	472397!	200603	TIMKE	200603
20-P68	MINNM	204002	20011604	TROS	471766!	200303SA	TRSCM	472397	2006082	GMC	415991
200	ROCKW	5401	20011604.75	TROS	471766	200306	MICH	473463*	2006082	GMC	455146!
200	UNIVE	472397!	20011605	TROS	471766!	200306	UNIVE	473463	2006216	EATON	415960!
20000-0600	GARLK	6X16X7	20011606	TROS	471766!	200307	CUMMI	39835	20063	C-R	473463
20000-0905	GARLK	9X22X7	20011607	TROS	471766!	200307	CUMMI	5133!	200640	TIMKE	200640
20000-1409	GARLK	14X30X7	20011608	TROS	471766!	2003119	GMC	473454	200640BX	SPG	200640
20000-1902	GARLK	19X32X8	20011610	TROS	471766!	200312	UNIVE	473242	200641	TIMKE	200641
20000-1903	GARLK	19X32X8	200117	HYST	311197	200313	MICH	473242	200642	TIMKE	200642
20000-2021	GARLK	20X37X8	20012	C-R	471762!	200318	UNIVE	473464	20065	C-R	7721!
20000-2702	GARLK	27X42X10	20012	C-R	710437	200318	UNIVE	473464!	2006512	GMC	370034A
20000-3402	GARLK	34X52X8	20012	GOODM	471762!	200319	MICH	473464!	2006522	EATON	415938
20000-3403	GARLK	34X52X8	20012005	TROS	473210	200319	MICH	473464	2006523	GMC	3143N*
20000-3404	GARLK	34X52X8	20012005C	TROS	473210	200322	TIMKE	200322	20067	SPG	473228!
20000-3405	GARLK	34X62X10!	20012006	TROS	473210	200325	UNIVE	412027	20068	C-R	473242
20000-3601	GARLK	36X52X7	20012405	TROS	472258!	20032LUP	JN-MN	416125!	20069	C-R	473242
20000-3604	GARLK	36X62X7!	20012405.25	TROS	472258!	200334M1	MASSE	417316!	2007	FMS	2007N
20000-4034	GARLK	40X68X12	20012405.5	TROS	472258	200337	MICH	410102	20070	C-R	473242
20000-4403	GARLK	44X65X10!	20012406	TROS	472258!	200338	TIMKE	471766	20071	C-R	473242
20000-4533	GARLK	45X85X10	20012407	TROS	472258!	200339	TIMKE	200339	20072	C-R	473242
20000-4534	GARLK	45X85X10	200129	WILYS	416738!	200340B	HERCU	45637S	20072	GARLK	471526!
20000-5020	GARLK	50X75X10	200129	WILYS	450096	200340B	HOUGH	45637S	200721H1	IH	472636
20000-5205	GARLK	52X80X10	20012K	GOODM	471762!	200348	HARRI	480630!	20074	C-R	473242
20000-5300	GARLK	53X68X10	20012M1	C-R	471762!	20035	FMC	410102	20075	C-R	473242
20000-5301	GARLK	53X68X10	20013	C-R	450159	200354	SPG	200354	200752	TIMKE	200752
20000-5611	GARLK	56X80X8	20013203.5	TROS	240319	200354	TIMKE	200354	200757H1	IH	473010
20000-6306	GARLK	63X85X10	20013204	TROS	481163!	200371	TIMKE	200371	20076	C-R	473242
20000-6308	GARLK	63X85X10	200133	CLARK	471224!	2003712	GMC	416167!	200763	TIMKE	200763
20000-6404	GARLK	64X90X13	200133	TIMKE	200133	2003754	GWI	450398	20076S	SPG	470334!
20000-6405	GARLK	64X90X13	20013LPD	JN-MN	415043	2003754	GWI	471267!	20078	C-R	412725
20000-7500	GARLK	75X90X10	20014	C-R	471763	200378	WILYS	42763	20078	C-R	43670!
20000-7505	GARLK	75X110X12	20015	C-R	471764!	200382	HERCU	470712	20079	C-R	412725
20000-9200	GARLK	92X120X13	200155M1	MASSE	472924!	200382A	HERCU	470712	2007N	TIMKE	2007N
200000A	CASE	455189	20015M1	C-R	471764!	200384	CONTI	5971	2007S	TIMKE	2007
200000A	HERCU	455189	20016	C-R	471765	200392	TIMKE	200392	2008	NATL	32X54X10
200000B	HERCU	455189	200164M1	MASSE	473238!	2003N	TIMKE	2003N	20081	GARLK	471472!
200002	SPG	200110	200166M1	MASSE	471750!	2003RC	SUL	416888!	20082	C-R	412725
200002206	GARLK	22X37X7!	20016M1	C-R	471765	2004	TIMKE	2004	20083	C-R	412725
200002206	GARLK	22X37X8!	20017	C-R	450173	20040	C-R	473463	200851	TIMKE	200851
200005793	WHITE	417254	20018	ALLCH	471766!	200420	WILYS	5778	200854	TIMKE	200854
200006561	WHITE	410930=	20018	C-R	471766!	200427	CONTI	5971	200855	TIMKE	200855
20001-0303	GARLK	135X160X12	20018	FAIRB	471766!	20043	C-R	473463	200859	TIMKE	200859
20001-0407	GARLK	145X180X12	20018	MINMA	471766!	20043	SIDEW	470380!	20085S	SPG	470530!
20001-0900	GARLK	190X230X13	20018	SPG	471264!	20044	C-R	204508!	200861	TIMKE	200861
20003	C-R	40301S	20018M1	C-R	471766!	20044	C-R	473463	200865	TIMKE	200865
20003	LEECE	416738!	20018Q6-B	C-R	471766!	200446	HYST	410825	200870	TIMKE	200870
20003	LEECE	450096	20019	C-R	473424!*	200447	HYST	415960	2008723	GMC	370001A
200032	CLARK	471224	200196	ALLCH	473367!	20045	C-R	473463	200881	TIMKE	200881
200038	CUMMI	471267	200196	ALLCH	473367	20046	C-R	473463	200885	TIMKE	200885
200039	CUMMI	471272	2002	TIMKE	2002	2004657	GMC	455244H=	200886	TIMKE	200886
20004	C-R	472397!	200204BX	SPG	200204=	20047	C-R	473463*	200887	TIMKE	200887
20004	C-R	472397*	20022	C-R	472397!	20048	C-R	473463	200897SSL	MICH	472924
20004	LEECE	473225!	2002245	GMC	473243	20049	C-R	473463	200897X	SPG	80313
20005	C-R	472397!	20023	C-R	472397!	200490	HYST	415854	2008S	TIMKE	2008
20005	LEECE	40085S	200234T	BR-WN	417344!	20050	SPICE	370036A	20090	C-R	412725
20005606	TROS	470645	200236	EATON	416444	20050	SPICE	370349A	200903	WILYS	340797
20006	C-R	40301S	200256	EATON	8611N	20050	SPICE	380036A	20091	C-R	293280=
200069	CUMMI	J1111	200275	MICH	472492!	20051	C-R	473463	200929	TIMKE	200929
20009	C-R	472397	20028	C-R	472397!	20051258	DURA	471763	20094	C-R	473464
2000M-13	ROCKW	5408	200283	EATON	8660S	20052	C-R	473463	20094	C-R	473464!
2001	C-R	471760	200287	MICH	472924!	20053	C-R	473463	200942	TIMKE	200942
2001	SEAMA	473473	200287	UNIVE	472924!	200539	HARRI	473197	2009496	GR-DV	J1123
2001	TIMKE	2001	200287DSL	MICH	472924!	20054	C-R	473463	2009497	GR-DV	416294!
20010004	TROS	471760	200294	EATON	471272!	200544	HARRI	417502	20095	C-R	473464
20010007	TROS	471760	200299	UNIVE	470530!	20055	SPG	473215!	20095	C-R	473464!
20010805	TROS	471763	2003	FMS	2003N	20059	C-R	473463	20096	C-R	473464
20010807	TROS	471763	2003	TIMKE	2003	20059	SPG	470380!	2009633	GR-DV	416239!
200110	TIMKE	200110	200300	MICH	470530!	200598	KOHL	481537	20097	C-R	473464
200111	KOHL	471760	200300	UNIVE	472397!	20060	GARLK	471442!	2009746	GR-DV	J1135=
200112	C-R	472258*	200300HSL	MICH	470530!	200600	TIMKE	200600	2009750	GR-DV	417316!
200112	KOHL	471224!	200300ISL	MICH	470530!	20060024	DURA	473236!	2009751	GR-DV	417343!
20011204	TROS	471765	200300LSL	MICH	470530!	200600BPO	SPG	200600	2009752	GR-DV	417172

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
2009753	GR-DV	417366!	201377	GW	471567!	2022006	GMC
2009755	GR-DV	416288!	20140	C-R	455253*	202210	WAYNE
2009756	GR-DV	J1130	20141	SPG	470954!	202211	HERCU
2009757	GR-DV	J1127	201412	BENDI	471267!	20225	GARLK
20098	C-R	473464!	2014181	GMC	472185!	2022846	GMC
20098	C-R	473464*	20143	C-R	455253*	202287	MICH
200996	CLARK	471649!	20144	C-R	487945	202287	UNIVE
200997	ALLCH	411253!	20145	SPG	473460	202299	UNIVE
2009S	TIMKE	2009	20146	C-R	410102+99198	202300	MICH
200A11204	TROS	40576S	20146	C-R	413470	202300	UNIVE
200A11205	TROS	40576S	20146	C-R	5188!	202301	MICH
200B18	C-R	471766!	2014685	HENRY	42352S	202306	MICH
200CP16M1	C-R	471765	2014686	HENRY	40401	202306	UNIVE
200F18	C-R	471766!	20147	C-R	457097=	202308	FORD
200FM18	C-R	471766!	20148	C-R	204506!	202312	UNIVE
200W-12	IH	471762!	20148	C-R	487945	202313	MICH
200W12	C-R	471762!	201495	JEFF	472439	202318	UNIVE
200W15	C-R	471764!	20154	C-R	205044	202318	UNIVE
200W15-M1	C-R	471764!	20158	C-R	55524	202319	MICH
200W16	C-R	471765	2016	TIMKE	2016	202319	MICH
200W16M1	C-R	471765	2016^1012	STEM	417505	20232	VICK
200W18	C-R	471766!	20160	C-R	55524	202325	MICH
200W18-M1	C-R	471766!	20160	SPG	471763	202325	UNIVE
200X230X15SC	TRSCM 200X230X15!		2016169	GMC	370001A	202331	FORD
200X230X15TC	TRSCM 200X230X15!		201657A	HERCU	420	202335	UNIVE
201	C-R	5118	20168	C-R	5329	20237	GARLK
201	UNIVE	450311	20168	C-R	6465	202405C91	IH
201-463-8	SPICE	415379	2016938	EATON	417967!	2024226	GMC
20100	C-R	473464	201693800	EATON	417967!	2024226	GMC
201002	COOK	55222=	20172	C-R	6465	2024331	GMC
2010071	GMC	410496!	2017341	GMC	50327	2025	TIMKE
201010A	TW-DI	415437	2017948	EATON	473238	20250	C-R
20103	C-R	473464	201794800	EATON	473238!	202503	MC-CL
2010451	GMC	416664	201799R91	IH	470898	202521	Y-T
20108D	IH	473215!	20170S	JN-MN	415150!*	202521	Y-T
20109	C-R	412027	2018206	Y-T	455330!	20252SC	TRSCM
2011	UNIVE	471141!	201820600	EATON	455330!	20252VB	TRSCM
2011035	WOOL	417267	2019	SEAMA	473227	20255	C-R
20111	C-R	473464!	2019028	GMC	HU042A	202562VB	TRSCM
20111	C-R	473464	2019130	EATON	415001!	202565VB	TRSCM
20112	C-R	473464	201933R91	IH	473463	20250S	JN-MN
20112	C-R	473464!	20196	C-R	5871	202602	ALLCH
20112	MICH	471466!	2019708	EATON	417316=	202622VB	TRSCM
20112	UNIVE	471466!	2019766	EATON	450084!	20262KBJ	TRSCM
20113	C-R	9762S	201VB7	MARI	412920!	202632VB	TRSCM
201140R91	IH	415351!	202	ROCKW	5403	202635SP	TRSCM
2011488	GMC	473010	202	UNIVE	472016	20263TB	TRSCM
20116	C-R	412027	2020	SEAMA	471267!	20263VTB	TRSCM
20117	C-R	412027	202008	SPG	204008	202683SB	TRSCM
20118	C-R	8139	20201	GARLK	471466!	202683SB	TRSCM
201197	WILYS	240151	20205	C-R	494123	2026943	GMC
2011S	TIMKE	2011	20205	C-R	51X63X81*	20260S	JN-MN
2012	FMS	2012V	20205	C-R	710323*	2027	TIMKE
2012	SEAMA	455144	20209	C-R	494123	202700M1	MASSE
201204R91	IH	412871!	202098	FMC	416149	202713TB	TRSCM
20124	C-R	410102*	2020985	GMC	471466!	202713TB	TRSCM
2012455	GMC	3136N	2020997	GMC	470625!	20271VB	TRSCM
20125	C-R	410102*	20210	C-R	225110	2027348	GMC
20126	C-R	410102	20210	C-R	51X65X7!	20273SSZ	TRSCM
20127	C-R	410102	202104	ALLCH	5M403	20273TB	TRSCM
2012S	TIMKE	2012	202108M1	MASSE	471870!	20273VTB	TRSCM
2012V	TIMKE	2012V	202109M1	MASSE	471766!	20275	C-R
2013	NATL	1012	20211106	TROS	451182	202752VHY	TRSCM
2013	NATL	1012N	202115	MIHLE	415090	2027672	GMC
20130	C-R	410102=	20212X	SPICE	451948	202784	FORD
201311	WILYS	471827	20213	GARLK	471264!	202798M1	MASSE
20134	C-R	410102*	20215	C-R	5695	202798M1	MASSE
20135	C-R	410102*	20216	C-R	710173	2027D	GOODM
20135	SPG	471192	202170	KEN	415077	20280	C-R
20136	C-R	710007	202170	PACIF	415077	202801M1	MASSE
20137	MICH	471255!	202180	KEN	325940=	202806XX	TIMKE
20137	UNIVE	471255!	2021809	GMC	370006A	20281	VICK
20282VHY	TRSCM	200339!	20283TA	TRSCM	472924	20284SA	TRSCM
2028516	GMC	482415	202852	WILYS	474278!	202883TB	TRSCM
20289A	C-R	415035	20289D	IH	473232	20289D	IH
20290D	IH	473238	20292	C-R	51X92X8*	20292VBJ	TRSCM
20292VBJ	TRSCM	8139	20292VBJ	TRSCM	9762S	2029409	GMC
2029409	GMC	370023A	2029409	GMC	417505	2029431	GMC
202951	CUMMI	471763	202951	CUMMI	471795	202951	CUMMI
202964	CUMMI	471795	202967	CUMMI	472164!	202973	CUMMI
202973	CUMMI	5026\$	202974	CUMMI	J1141	202974	CUMMI
202975	CUMMI	J1401!=	202976	CUMMI	5509	202992VH	TRSCM
202992VH	TRSCM	40085S	202993TA	TRSCM	470530	202A402	GE
202993TA	TRSCM	470530	202A402	GE	351487	202VB7	MARI
203	SEAMA	417542	203	UNIVE	473245!	203	SEAMA
203	UNIVE	473245!	203002	TIMKE	203002	203003	NATL
203002	TIMKE	203002	203003	NATL	203003	203003	TIMKE
203003	NATL	203003	203004	NATL	203004	203005	NATL
203004	NATL	203005	203005	TIMKE	203005	203005X	SPG
203005	TIMKE	203005	203006S	TIMKE	203006	203007XX	TIMKE
203006S	TIMKE	203006	203008	TIMKE	203008	20300D	IH
203008	TIMKE	203008	20301	SPG	472397!	203012	TIMKE
20301	SPG	472397!	2030123	GMC	417507	203013	TIMKE
2030123	GMC	417507	203013	TIMKE	203013	2030133	GMC
203013	TIMKE	203013	203015	TIMKE	203015	203015X	SPG
203015	TIMKE	203015	203016	TIMKE	203016	203020	TIMKE
203016	TIMKE	203020	203025	TIMKE	203025	203029	TIMKE
203020	TIMKE	203020	203029	TIMKE	203029	203029M1	MASSE
203025	TIMKE	203025	203032VAY	TRSCM	40301S	203034	TIMKE
203029	TIMKE	203029	203038M1	MASSE	414045!	203038M1	MASSE
203032VAY	TRSCM	40301S	20303TB	TRSCM	472397!	203040B	HERCU
203034	TIMKE	203034	2030463	SEAMA	471271!	2030600	GMC
203038M1	MASSE	414045!	203063TB	TRSCM	473463	2030838	SEAMA
20303TB	TRSCM	472397!	2030897	GW	471554!	203097	CUMMI
203040B	HERCU	485197H=	203097	CUMMI	J1807	2030D	GOODM
2030463	SEAMA	471271!	2030D	GOODM	455079!	2030LD	OSHO
2030600	GMC	450467	2030LD	OSHO	471689!	2031	ALOY
203063TB	TRSCM	473463	2031	ALOY	473234	203100	CUMMI
2030838	SEAMA	471349	203100	CUMMI	471795	203101	CUMMI
2030897	GW	471554!	203101	CUMMI	473010	2031059	GMC
203097	CUMMI	J1807	2031059	GMC	471505	20313TB	TRSCM
2030D	GOODM	455079!	20313TB	TRSCM	473242		

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
2031437	GMC	472394	203745	DIA	50075=	20413207	TROS	480630!	20450	C-R	225275
2031437	MCKIN	472394	203745	IH	50075=	20413604	TROS	7994S	204500	TIMKE	204500
2031438	GMC	472016	203746	BENDI	450039	20413607	TROS	8421S	204501	TIMKE	204501
2031438	MCKIN	472016	203746	GMC	450039	2041497	GMC	370012A	204502	TIMKE	204502
203153	BENDI	473367	2037485	GMC	471341	20415	C-R	52X69X10!	204503	TIMKE	204503
203153	BENDI	473367!	2037489	GMC	470954!	204167H1	HOUGH	472636!	204505	NATL	204020
203153	DIA	473367!	203766	BENDI	471570!	204167H1	IH	472636!	204505	TIMKE	204505
203153	DIA	473367	20380	C-R	5797	2041807	GMC	416282	204506	TIMKE	204506
203153	GMC	473367!	203807XX	TIMKE	20X38X7	2042	ALOY	442874	204507	NATL	204029
203153	GMC	473367	203809	CINMI	417355!	20420	C-R	1955	204507	TIMKE	204507
203153	KEN	473367!	203822	CUMMI	2151H=	20420	C-R	52X65X9!	204508	TIMKE	204508
203153	KEN	473367	2038244	GMC	370106A	204207XX	TIMKE	20X42X7	204509	TIMKE	204509
203153TA	TRSCM	412725	2038277	GMC	473367!	20421	C-R	4990	20453	C-R	52X75X12!
20316	SPG	472636!	2038277	GMC	473367	204210XX	TIMKE	20X42X10	20455	C-R	1884*
203166	BENDI	450065	203838	CINMI	417171!	20423	C-R	1884	20455	C-R	710292*
2031765	GMC	415137!	20383D	IH	472924!	20423	C-R	52X68X8!	204553	HARRI	416273!
2031765	GMC	418028	203881	BENDI	471750!	20424	C-R	52X68X8V!	20456	VICK	471341!
2031767	GMC	415001!	20388D	IH	472924!	20424	C-R	710190	20458	GARLK	471567!
2031768	GMC	417159	2039149	GMC	418028	20425	C-R	3087	2045996	GMC	417507
2031949	GMC	473211!	2039150	GMC	HU066A	20426	C-R	225220	20460	C-R	225278
2031960	FWD	78048	2039297	EATON	470898	20426	C-R	52X68X8!	204611	CINMI	472397!
2031960	OSHKO	78048	20393D	IH	472924!	20427	C-R	4990	204614A	HERCU	473241
2032	SEAMA	470059	20394	SPG	473227!	20427	GARLK	470954!	204617	CINMI	414045!
2032	SEAMA	470380!	203A13206	TROS	1165	204275SP	TRSCM	3087	204621	BENDI	50327
203207XX	TIMKE	20X32X7	203FF112	C-R	470774!	20428	C-R	225220	204621	DIA	50327
2032362	GMC	370012A	204	C-R	5116	20428	C-R	4990*	204621	IH	50327
2032484	GMC	HU066A	204	ROCKW	5405	20428	C-R	710312	20463	FMC	473237!
20324TA	TRSCM	412027	204	UNIVE	472636!	20429	C-R	225275	204638	WILYS	6489
203277M1	MASSE	471554!	204002	TIMKE	204002	2042936	GMC	417171!	20465	C-R	710107
2033	SEAMA	471424!	204005S	TIMKE	204005	204299	UNIVE	473467!	20467	FMC	451078!
20332A	C-R	415379	204007XX	TIMKE	20X40X7	2043	ALOY	473445	2046991	GMC	415458
20332A	C-R	415379!	204008	TIMKE	204008	2043	MINNM	205004	2047	ALOY	473317
20334TA	TRSCM	410102	204009	SPG	6590S	2043	TIMKE	2043	20470	C-R	52X80X10
20334TA	TRSCM	710007	204010XX	TIMKE	20X40X10	20430	C-R	225225	204707XX	TIMKE	20X47X7
2033618	GWI	470954!	204012	SPG	6906S	20430	C-R	52X70X8!	2047159	GOODM	417316!
2033900	GWI	471567!	204013	TIMKE	204013	204300	MICH	473467	2047175	GOODM	415995!
2034	ALOY	8549S	204017	TIMKE	204017	204300	UNIVE	472015!	2047176	GOODM	417487
2034224	GMC	AR6+370012A	204020	TIMKE	204020	204300SL	MICH	473467	2047232	GOODM	417205!
2034225	GMC	370007A	204027	TIMKE	204027	204301	MICH	472015!	2047260	GOODM	472157
2034226	GMC	417507	204029	TIMKE	204029	204306	MICH	410308!	2047260	GOODM	472157!
2034230	GMC	418028	204035	TIMKE	204035	204306	UNIVE	410308!	2047261	GOODM	472157!
2034235	GMC	370019A	204038	TIMKE	204038	204306SLA	MICH	6180=	2047261	GOODM	472157
2034236	GMC	370012A	2040442	GMC	5957S	20431	C-R	4898	2047277	GOODM	415138!
2034237	GMC	417506	2040443	GMC	5951	204312	UNIVE	472016	2047288	GOODM	417262!
2034238	GMC	370008A	20405	C-R	1975	204313	MICH	472016	20473	C-R	52X80X10!
2034361	GMC	450068	204051	KEN	415876	204318	UNIVE	472409!	204731A	HERCU	471192
2034942	GMC	370106A	204051	PACIF	415876	204319	MICH	472409!	204746	FWD	8126S
2035	SEAMA	417554!	204075	NATL	204017	20432	C-R	710187	204771	BENDI	471553!
203507XX	TIMKE	20X35X7	20408	C-R	1955	204325	MICH	473243	204839	HERCU	455197N
2035091	GMC	415137!	20408	C-R	52X65X9!	204325	UNIVE	473243	204839B	HERCU	455197N
2035091	GMC	418028	2040H-7	JAE	470682	204335	MICH	413469!	2048471	GMC	476470
203524	BENDI	470530!	2040H24	JA-MI	415449!	204335	UNIVE	413469!*	2048471	GMC	476470!
203544TL	TRSCM	455253	2040H24	JAE	415449!	20434	C-R	225210	20488	GARLK	471643!
20355	GMC	472164!	2040H25	JA-MI	415995!	20435	C-R	52X72X8V	20489	VICK	471553!
2035506	GMC	370001A	2040H25	JAE	415995!	20439	C-R	225540	2048D5	WHITE	415960
2035507	GMC	370005A	2040H26	JA-MI	473205	204399	BENDI	450593!	2049	ALOY	7687S
203573	BENDI	476838!	2040H26	JAE	473205	20440	C-R	225230	20490	C-R	52X85X7*
203573	WHITE	473367!	2040H7	JA-MI	470682	20441	C-R	52X72X8V	20490	C-R	52X85X8
203573	WHITE	473367	2041	LUF	415035!	20442	C-R	225230	20493	VICK	472179
203581600	EATON	415371	2041	LUF	415035	20444	C-R	225230	204939	BENDI	471466!
20359	VICK	50528	2041/1043	STEM	370192A	20444	C-R	52X72X8!	204949	BENDI	470625!
20359D	IH	471466!	20410007	TROS	471619!	2044444	GMC	254287	20495	C-R	52X85X7*
2035SR	OSHKO	470059	204102	CONTI	471196!	2044445	GMC	471570!	204971	BENDI	471526!
2035SR	OSHKO	470380!	20410807	TROS	471785!	20445	C-R	225230	204A111X06.5C	TROS	7442H
203607XX	TIMKE	20X36X7	20411207	TROS	471354!	2044531	GMC	40468	204E4248	FORD	470712!
2036108	GMC	470712!	20411604	TROS	471787	2044540	GMC	418028	204E7657	FORD	1097N
203707XX	TIMKE	20X37X7	20411607	TROS	224045	2044540	GMC	455137!	204VB7	MARI	415001!
203708XX	TIMKE	20X37X8	20411607	TROS	40X62X12!	20446	C-R	5696	205	C-R	5108
203710A	HARWA	20X37X8	20412106	TROS	484054	20446	GARLK	471554!	205	ROCKW	5406
2037360	GMC	470059	20412406	TROS	472258!	20447	C-R	710230	20500	C-R	5686
2037360	GMC	470380!	20412407	TROS	470774!	20448	C-R	710527	20500	C-R	5696
203745	BENDI	50075=	20413204	TROS	480630	20448	GARLK	471643!	205002	SPG	200354

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
205004	TIMKE	205004	205A12407	TROS	6760S	206325	UNIVE	473245!	2067183	CHRY	7107A=
205005	CONTI	471733	205B12306	TROS	51322	206335	MICH	412943	2067184	CHRY	7107A=
205005	TIMKE	205005	205FF112	C-R	470774!	206335	UNIVE	412943*	2067185	CHRY	7934S
20501	C-R	5685	205VB7	MARI	415458!	206337	UNIVE	50798*	2067186	CHRY	450666
205012	KOHL	471649!	205Z1	C-R	471619!	20635	C-R	450307	2067187	CHRY	5458
205015	TIMKE	205015	206	CHEL	471224!	206364TA	TRSCM	455260	2067188	CHRY	5458
205017	TIMKE	205017	20600	C-R	472012	2064	TIMKE	2064	2067190	CHRY	5499=
205020	NATL	204020	2060012	CHRY	455336	20642	C-R	450307	2067191	CHRY	5573
205020	NATL	204505!	20603	CALSO	472636!	206426	ALLCH	473313	2067192	CHRY	6818
205020	SPG	204020	20604	C-R	472012	206428	CLARK	415001!	2067193	CHRY	7537S
205020	SPG	204505!	20604	CALSO	416426H=	20643	C-R	450307	2067195	CHRY	471193
205035	TIMKE	205035	20605	C-R	472012	2064489	GMC	417506	2067198	CHRY	8139
205044	TIMKE	205044	2060510	GMC	470898	206449	ALLCH	450456!	2067200	CHRY	470059
205058	SPG	9015S	2060531	GMC	471649!	206449	CLARK	416332!	2067200	CHRY	470380!
2051473	GMC	416892	206072	ALLCH	330385!	20644909	ALLCH	450456!	2067201	CHRY	470059
20520	C-R	484064V	20608	C-R	6954S	206450	ALLCH	415001!	2067201	CHRY	470380!
205207XX	TIMKE	20X52X7	20608	SPG	471267!	20645007	ALLCH	415001!	2067204	CHRY	473235
205209A	TW-DI	416892!	206086M1	MASSE	417134	2064731	GMC	370047A	2067206	CHRY	6815
20522	SPG	472258!	2061	ALOY	1945	20650	C-R	450311	2067207	CHRY	471835!
205273	FREIG	5481\$	2061	C-R	471619!	2065073	TAYLR	55539=	2067208	CHRY	473228
205282	CINMI	415697!	206110	C-R	450129	2065078	TAYLR	417544	2067209	CHRY	9568
205282	CINMI	455547	206110	C-R	472826	20651	C-R	450311	2067211	CHRY	5778
205312JX	MICH	80313	206110	CLARK	450129	2065366	GMC	415960	2067212	CHRY	6930
205358A	HERCU	471538!	206110	CLARK	472826!	2065367	GMC	411253!	2067213	CHRY	6930
20537	C-R	5877	206110M1	C-R	450129	206538	ALLCH	471765!	2067214	CHRY	7044NA
20538	C-R	5877	206110M1	C-R	472826	20653812	ALLCH	471765!	2067215	CHRY	7994S
2054	SEAMA	470625!	206112	C-R	470774!	206545	CLARK	470898!	2067216	CHRY	451182
20542	C-R	5877	206112M1	C-R	470774!	206546	CLARK	411253!	2067218	CHRY	7457N
205493	LK-BT	42352S	206112Q6	C-R	470774!	206547	CLARK	412871!	206722	CLARK	473447
2054BT	SPG	6358	206116	C-R	480630!	206548	CLARK	415483!	206731	CLARK	470565!
2054BT0	SPG	6358	206116M1	C-R	480630!	206550	CLARK	470712!	20674	C-R	200110
2055	TIMKE	2055	20612	C-R	473420	206552	CLARK	472258	206742	CLARK	411394!
20554	C-R	451948*	206120	CLARK	471224!	206553	CLARK	471192	206775	CLARK	472144!
20555	C-R	451948*	20614	C-R	471785	206554	CLARK	471821!	20678	C-R	200110*
20559	BR-WN	470059	20614K	CLARK	471785!	206556	CLARK	470898	20678	GARLK	471267!
20559	BR-WN	470380!	20614M1	C-R	471785	206557	CLARK	472636!	206785	ALLCH	471554!
20560	C-R	4162	20615	C-R	473427	206558	CLARK	472636!	206786	ALLCH	473215!
20561	C-R	473466	20616	C-R	471354!	206559	CLARK	470712!	206789	ALLCH	473215!
2056124	GMC	417505	20616A	CONTI	471354!	206560	CLARK	471554!	206791	ALLCH	473238
2056401	GMC	471141!	20618	AT-PL	471787!	206561	CLARK	470059	206801	CLARK	410737!
20568	C-R	473466	20618	C-R	471787	206561	CLARK	470380!	2068106	GMC	472636!
205705	CINMI	472636!	20618M1	C-R	471787	206563	CLARK	471765!	206834	CLARK	472560N
205705A	HERCU	471267!	20619	C-R	450124=	206564	CLARK	471766!	206840	ALLCH	472636!
205708	ALLCH	474278!	2061M1	C-R	471619!	206565	CLARK	471835!	206849	CLARK	55193=
2057128	GMC	472394	20620	C-R	450307	206566	CLARK	417267	206850	CLARK	472924!
205714	CINMI	415023	206204	CLARK	473214!	206569	CLARK	472354!	2068504	GMC	472394
205724	FWD	415035=	206205	CLARK	472185!	206570	CLARK	470898	206864	CLARK	470898
205737	CINMI	416404!	20621	C-R	450307	206571	CLARK	471141!	2068682	GMC	472636!
205747	HERCU	455189	20621	VICK	412920!	206572	CLARK	470898	2068683	GMC	415449!
205747B	HERCU	455189	206222	CLARK	471787!	206574	CLARK	472258	20687	C-R	416738!
2057480	GMC	370003A	206228	SEAMA	416664!	206575	CLARK	472636!	20687	C-R	450096
2057761	GMC	412473!	206233	SEAMA	473214	2065760	GW	473459	20687	GARLK	471570!
2058	ALOY	480630	206253SZ	TRSCM	332134	206578	ALLCH	471766!	20689	C-R	416738!
20582	C-R	473466	206253VSB	TRSCM	484064V	20658	C-R	450311	20689	C-R	450096
205821R91	IH	415697!	206257	CLARK	471765!	20659	C-R	450311	206893	CLARK	413248
205821R91	IH	455547	2062667	GW	415234!	206593	CLARK	471763	20690	C-R	416738!
205822R91	IH	473473	206273TL	TRSCM	473449	2065OS	JN-MN	471549!	20690	C-R	450096
205823	OILGR	471554!	20628	C-R	450307	2066126	GMC	417487!	206948	CUMMI	473285V=
2058243	GMC	B300	2062844TL	TRSCM	5877	2066126	GMC	417487	20697	C-R	416738!
205834	ALLCH	50462	206284SA	TRSCM	451948	2066157	GMC	472924!	20697	C-R	450096
2058459	GMC	471733	20629	NORDG	471760	2066184	GMC	473238	20698	C-R	416738!
20585	C-R	473466	206294TL	TRSCM	473446	206648	CLARK	470059	20698	C-R	450096
20586	C-R	473466	2063037TB	TRSCM	472012	206648	CLARK	470380!	206A	CHEL	480210!
20590	C-R	472012	206303VB	TRSCM	6954S	20669	C-R	5756	206FF112	C-R	470774!
2059264	GMC	415995!	206306	UNIVE	473471	2067088	GMC	410987!	206VB7	MARI	411376!
20594	C-R	472012	2063063TL	TRSCM	450307	206714	CLARK	415458!	206W110	C-R	450129
2059474	GMC	471796!	20631	C-R	450339	2067175	CHRY	331301N	206W110	C-R	472826
205952	ALLCH	471554!	206312	UNIVE	472020	2067176	CHRY	40369S	206W110M1	C-R	450129
2059756	GMC	450084!	206318	UNIVE	470354	2067178	CHRY	5589	206W110M1	C-R	472826
205976R91	IH	473459	2063192	GMC	450040	2067179	CHRY	471821!	206W112	C-R	470774!
205987	ALLCH	472185!	2063220UB	TRSCM	80313	2067181	CHRY	6064	206W112-T8	C-R	470774!
20599	C-R	472012	206325	MICH	473245!	2067182	CHRY	6985	206W14	C-R	471785

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OIL SEALS

NATIONAL®

206W14M1 – 20X30X5A

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
206W14M1 C-R		471785	207523 CLARK		471765!	2081839 GMC		5957S	2091 STEM		9128S
206W18 C-R		471787	2075286 GMC		471141!	2082 ALOY		8314	20915 C-R		340900
206W18M1 C-R		471787	207529 CLARK		470712!	2082924 GMC		415007	209158 CLARK		471766=
207 C-R		5390	207537R91 IH		473459	2082925 GMC		473464!	2091906 GMC		471887
207 CHEL		471231!	20754 C-R		450343	2082925 GMC		473464	2092 ALOY		1994
207 IH		471231!	207545 CLARK		50266	2082926 GMC		415458	20920 C-R		41013S
207 ROCKW		5410	207546 CLARK		416404!	2083 ALOY		3543	20920 FULLE		415991
207 UNIVE		411245!	20756 TMTR		6590S	208306 UNIVE		473473	2092491 GMC		417171!
2070 SEAMA		471835!	207565 CLARK		471835!	208312 UNIVE		471138!	20926 C-R		6590S*
2070065 GOODM		J1115	2075665 GMC		6644	208318 UNIVE		410737!	20927 IDEAL		35127
207009 COOK		410737!	207570R91 IH		470954!	208325 MICH		472636!	209273VHY TRSCM		6590S
2070113 CHRYS		473235	20758 C-R		455260	208325 UNIVE		472636!	2092767 GMC		6703S
20702 C-R		416738!	20759 C-R		455260*	208335 MICH		411253!	2093 ALOY		1984
20702 C-R		450096	2076 SEAMA		417211!	208335 UNIVE		411253!	209312VH TRSCM		40973S
2070639 GMC		471766!	2076132 GMC		415082	208337 MICH		412920!	2093289 GMC		412473!
2070779 GMC		415371	20762 FULLE		472311	208348 HYST		450400	209341 TW-CO		471765!
2070782 GMC		416865!	207640 CLARK		471192	208348 MICH		455136	209354 WILYS		9613S
2070788 CHRYS		470487!	207644 CLARK		471835!	208350 MICH		411376!	20938 C-R		6590S
207085 CLARK		415498	2076549 GMC		471141!	208350 UNIVE		411376!	2093940 GMC		473473
207086 GAL		471689!	207656 CLARK		471765!	208362 MICH		415234!	2093H SPG		2093H=
207086 WHITE		471689!	20766 C-R		6077	208362 UNIVE		415234!*	2094 ALOY		417158
20711607.5 TROS		450177	207672 CLARK		471649!	208370 CLARK		330385!	2094257 GMC		471267!
20712007.5 TROS		473421	207693 CLARK		473016!	208375 UNIVE		415259!	2094297 GMC		472258
2071215 GMC		100263	207699 CLARK		470605!	208385 CLARK		472636!	209440 CLARK		473449!
2071215 GMC		3905	207749 CLARK		471192	208417 ALLCH		473197	209440 GAL		473449
20712407.5 TROS		472287!	20775 VICK		412861	2084190 GMC		410987!	2094440 GMC		370008A
20712412 TROS		472287!	207750 CLARK		471835!	208432 CINMI		415645!	20946 C-R		6590S
2071250 GMC		471787!	2078 ALOY		4099	208432 CINMI		455104	2095 ALOY		3732S
20715 C-R		416738!	2078 SEAMA		415984!	208436 ALLCH		471835!	2095 UNIVE		414045!
20715 C-R		450096	2078026 GMC		370005A	2084411 CHRYS		5576	209501 CLARK		417344!
20715 EATON		417316	207816 CLARK		470898	208458 WAUKE		470898=	20952 C-R		6590S
20715 FULLE		417316	2078535 GMC		416654	2084868 GMC		415458!	2095463 GMC		50199S!
20715 GARLK		471646!	2079 ALOY		4249	208488 CLARK		471466!	2095463 GMC		6863S!
207153 FREIG		5405\$	207919 CLARK		450398	208494 CLARK		471504!	2095539 GMC		240319
20716 C-R		416738!	207919 CLARK		471267!	2085247 FLXIB		470059	209557M1 MASSE		473229
20716 EATON		470625!	20793 FMC		471192	2085247 FLXIB		470380!	209562M1 MASSE		410737!
20716 FULLE		470625	207948 CLARK		472439	2085247 GMC		470059	209564 CLARK		415995!
207190 CLARK		473243	207960 WILYS		410059	2085247 GMC		470380!	209587 CLARK		412119
2071Y IH		7600S	207960 WILYS		470380!	2085249 GMC		417484!	209587 MIXMO		412119!
2072 SEAMA		415036	20798 SIDEW		473517!	208526 WAUKE		416888=	2096 ALOY		8312
2072055 CHRYS		340797	2079836 GMC		415437	208538 CLARK		470530!	2096 SEAMA		415138!
2072056 CHRYS		240731	2079836 GMC		415437!	2085764 GMC		455080*	20960 C-R		40627S=
2072707 CHRYS		41257!	207993 ALLCH		471835!	208579 CUMMI		415937	2096046 GMC		415088
2072707 FORD		41257!	2079SR OSHKO		470059	2085RC SUL		481073	209623 CLARK		415449
207273 CLARK		470530!	2079SR OSHKO		470380!	208623 JEFF		415001!	2096357 GMC		471787!
20728 C-R		416738!	207A CHEL		471267!	208633C1 IH		472642	2096367 GMC		471553!
20728 C-R		450096	207VB7 MARI		416865!	208633C1 ROCKW		472642*	20965 C-R		40973S*
20729 C-R		416738!	208 BUSHH		6906S	208711 ALLCH		473197	2096658 GMC		472164!
20729 C-R		450096	208 C-R		5111	208714 ALLCH		473197	2096RC SUL		473242
2073 ALOY		3747	208 C-R		5111S	208742 CLARK		472636!	2097 CHEL		472164!
20730 GARLK		470590	208 ROCKW		5452	208746 WILYS		5585\$	20975 C-R		40973S
2073173 FLXIB		370036A	208 SEAMA		455375=	208748 WILYS		5585\$	20977 CONTI		240007=
2073173 GMC		370036A	208 UNIVE		415449!	208763 CLARK		6241S	209778 CLARK		415483!
2073173 GMC		370349A	208069 CUMMI		417621	208788 CLARK		415995!	209788 CLARK		415995!
20731A C-R		415483!	20807 FULLE		713750	2088 ALOY		4072	2098 CHEL		473228
20735 C-R		80313	20807 SIDEW		471870!	208814 HYST		415090	2098550 GMC		417344!
2073613 GMC		471271!	20809D IH		416921!	208821R91 IH		417082	2098753 GMC		418028
2074 SEAMA		55367=	2081 ALOY		3677	2089 ALOY		224820	2098753 GMC		455137!
20741 C-R		450313	2081 TIMKE		2081	20894 JOY		471785!	209907 WILYS		471787
207418 CLARK		340771	20811207 TROS		1077=	208986 H-S		470530!	209979 CLARK		473463
20742 C-R		450313	20811605 TROS		1070=	208A CHEL		471466!	2099RC SUL		470334!
2074449 GMC		417507	20811607 TROS		471795	208VB7 MARI		455079!	209VB7 MARI		415302
2074449 GMC		417507!	20812007 TROS		473211!	209 C-R		5112	20A500 LAVIN		40526S
2074702 GMC		416107!	20812404 TROS		455576!	209 C-R		5112S	20H1160 MINNM		204002
2074702 GMC		455073	20812405 TROS		471192	209 UNIVE		415988*	20J OSHKO		473367!
2074786 GMC		472354!	20812406 TROS		471192	2090 ALOY		9316	20J OSHKO		473367
20748 C-R		450313	20812407 TROS		471192	2090146 GMC		370023A	20RL204 CONTI		470530!
207483 CLARK		470565!	20812410 TROS		471192	2090539 GMC		240435	20RL294 CONTI		470530!
20749 C-R		450313*	20812807 TROS		473224!	20906 C-R		710175	20RL294 KEN		470530!
20750 C-R		450532	20813207 TROS		473227	20907D IH		450593!	20X28X6SC TRSCM		20X28X6
20752 C-R		450343	20814004 TROS		481181!	209090 HYST		471504	20X28X6TC TRSCM		20X28X6
207523 CINMI		415124	208147 ALLCH		473197	2091 STEM		370106A	20X30X5A ISP		20X30X5

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
20X30X7SC	TRSCM	20X30X7	2101688	FMC	240735	210712	BENDI	471766!	21086-2235	GARLK	417172*
20X30X7TC	TRSCM	20X30X7	2102	ALOY	4302	21072	C-R	450639*	21086-2236	GARLK	417172*
20X32X7SC	TRSCM	20X32X7	21020	GARLK	471649!	2107282	CLARK	472660	21086-2237	GARLK	416297*
20X32X7TB	TRSCM	20X32X7	2102101X	GRAM	410308!	21073	C-R	470898	21086-2246	GARLK	415021
20X32X7TC	TRSCM	20X32X7	21024015A	HARWA	210X240X15	2107356	CLARK	370149A*	21086-2247	GARLK	415021*
20X35X7	NATL	1963	21025015A	HARWA	210X250X15	2107358	CLARK	370166A*	21086-2248	GARLK	415021*
20X35X7SB	TRSCM	20X35X7!	210256	ALLCH	45013S	210737	EATON	416654	21086-2249	GARLK	456105*
20X35X7SC	TRSCM	20X35X7!	21028	GARLK	471689!	2107379	CL-HU	417545=	21086-2250	GARLK	456105*
20X35X7TC	TRSCM	20X35X7!	210295	TIMKE	472144	210737R91	IH	472409!	21086-2251	GARLK	456105
20X36X7SC	TRSCM	20X36X7	2102985X	GRAM	471785!	210738R91	IH	415007	21086-2252	GARLK	417490*
20X36X7TC	TRSCM	20X36X7	2102986X	GRAM	471835!	21074	C-R	470898	21086-2253	GARLK	417490*
20X37X7ASN(32)	ISP	20X37X7	2102987X	GRAM	471141!	21075	C-R	470898	21086-2254	GARLK	417490
20X37X8	SIMRT	20X37X8	2102SK	SPG	2102	21076	C-R	450639	21086-2255	GARLK	455336*
20X37X8SC	TRSCM	20X37X8	2103	ALOY	1177	2107639	GRAM	471391!	21086-2256	GARLK	455336*
20X37X8TC	TRSCM	20X37X8	21030	GARLK	471689!	2107640	GRAM	473463	21086-2257	GARLK	455336*
20X38X7SC	TRSCM	20X38X7	2103027X	GRAM	473227	2107642	GRAM	471141!	21086-2260	GARLK	6358
20X38X7TC	TRSCM	20X38X7	2103074X	GRAM	471192	2107643	GRAM	450463	21086-2261	GARLK	417490
20X40X10SC	TRSCM	20X40X10	2103075X	GRAM	473228!	2107662	CLARK	415076*=	21086-2267	GARLK	455022*
20X40X10TC	TRSCM	20X40X10	2103076X	GRAM	480491	2107687	GRAM	471766!	21086-2268	GARLK	455022*
20X40X7SC	TRSCM	20X40X7	2103078X	GRAM	472179	21077	US-EL	413248	21086-2269	GARLK	455022*
20X40X7TC	TRSCM	20X40X7	2103080X	GRAM	240119	2107720	CLARK	4144V=	21086-2270	GARLK	476470
20X42X10SC	TRSCM	20X42X10	2103223X	GRAM	415449!	21079	C-R	470898	21086-2271	GARLK	476470
20X42X10TC	TRSCM	20X42X10	2103224X	GRAM	415302	2107RC	SUL	416892!	21086-2272	GARLK	476470
20X42X7SC	TRSCM	20X42X7	2103226	GMC	415371	2108	HWY	417494	21086-2273	GARLK	417181!
20X42X7TC	TRSCM	20X42X7	2103226X	GRAM	472636!	2108093	CLARK	417904N*=	21086-2274	GARLK	417181!
20X47X7SC	TRSCM	20X47X7	2103227	GMC	416865!	21081005034	RENAU	713155	21086-2275	GARLK	417181!
20X47X7TC	TRSCM	20X47X7	210325	MICH	411394!	21082	C-R	470898*	21086-2276	GARLK	418028
20X52X7SC	TRSCM	20X52X7	210325	UNIVE	411394!	21082	C-R	470898	21086-2276	GARLK	455137!
20X52X7TC	TRSCM	20X52X7	21033	JOY	472492!	210834	CUMMI	472409	21086-2277	GARLK	418028
210	C-R	2297V+99599	210335	MICH	410694!	21084	C-R	470898*	21086-2277	GARLK	455137!
210	C-R	39807	210335	UNIVE	410694!*	2108446	CLARK	4353	21086-2278	GARLK	418028
210	C-R	39807+99599	210336	KOHL	470328	2108457	CLARK	370087A*	21086-2278	GARLK	455137!
210	UNIVE	415458!	210336	KOHL	481213!	21086	C-R	470898!	21086-2279	GARLK	417353!
21000707	GMC	324204	210350	MICH	416444	21086-2174	GARLK	415995!	21086-2280	GARLK	417353!*
21000708	GMC	327995	210350	UNIVE	416444	21086-2177	GARLK	417351!	21086-2281	GARLK	417353!*
21000708	GMC	4307V	210354	UNIVE	455647=	21086-2178	GARLK	417351!	21086-2282	GARLK	456305
21001111	GMC	714662	21036	EATON	713750	21086-2180	GARLK	417487	21086-2284	GARLK	416865!
21001532	GMC	718610	2103RC	SUL	417316!	21086-2180	GARLK	417487!	21086-2288	GARLK	415023
21001660	GM	4615V	2104	ALOY	473238	21086-2181	GARLK	417487	21086-2289	GARLK	415023
21001662	GMC	714616	21040	C-R	2002	21086-2182	GARLK	417487	21086-2290	GARLK	415023
21002282	GM	4614N	21040	C-R	54X65X8!	21086-2183	GARLK	417488!	21086-2294	GARLK	455328*
21002283	GM	4613N	21040	GARLK	471733	21086-2184	GARLK	417488!*	21086-2295	GARLK	455328*
21002669	GM	4613N	21041	C-R	2002	21086-2185	GARLK	417488!	21086-2296	GARLK	455328*
21002670	GM	4613N	2104221	GMC	415371	21086-2186	GARLK	415088	21086-2298	GARLK	417491*
21002741	GM	4615V	2104222	GMC	416865!	21086-2187	GARLK	415088	21086-2299	GARLK	417491
21002778	GM	718610	210431	FWD	473238	21086-2187	GARLK	415088!	21086-2300	GARLK	415085!
21002853	GM	4701N=	21045	C-R	710073	21086-2188	GARLK	455019!	21086-2300	GARLK	456648
21002853	GMC	4701N=	21048	C-R	225410	21086-2189	GARLK	55548	21086-2306	GARLK	416313
21002872	GM	4613N	21050	C-R	6090S	21086-2195	GARLK	455820*	21086-2307	GARLK	416313*
21002872	GMC	4613N	2105042	GMC	472636!	21086-2198	GARLK	455019!*	21086-2308	GARLK	416313
21002873	GM	4614N	21051	HYST	471763	21086-2199	GARLK	455019!*	21086-2312	GARLK	455024*
21002873	GMC	4614N	2105131	GMC	455151	21086-2200	GARLK	455019!*	21086-2313	GARLK	455024*
21003352	GM	4613N	21052	C-R	710239	21086-2201	GARLK	55155*=	21086-2314	GARLK	455024*
21003352	GMC	4613N	210544R91	IH	5406	21086-2202	GARLK	55155=	21086-2321	GARLK	412473!
21003354	GMC	4614N	21055	C-R	6090S	21086-2203	GARLK	55155*=	21086-2322	GARLK	412473!
210039	ALLCH	415449!	21059	C-R	473204*	21086-2204	GARLK	455015*	21086-2323	GARLK	412473!
21003902	ALLCH	415449!	21060	C-R	473204	21086-2205	GARLK	455015*	21086-2324	GARLK	417191
21003R1	IH	OK223	21061	C-R	473204	21086-2206	GARLK	455015	21086-2324	GARLK	455165!
21004	GARLK	471224!	2106108	CLARK	416422	21086-2210	GARLK	55141*	21086-2325	GARLK	417191
21004	US-EL	470712!	210612	CLARK	471271!	21086-2211	GARLK	55141*	21086-2325	GARLK	455165!
210063	GMC	472924!	210616	FWD	471649!	21086-2212	GARLK	55141*	21086-2326	GARLK	417191
21007	US-EL	472185!	21063	C-R	473204	21086-2222	GARLK	455020*	21086-2326	GARLK	455165!
2100863	GMC	415960	21064	C-R	471950	21086-2225	GARLK	417621!	21086-2327	GARLK	417354!*
2100864	GMC	411253!	21065	C-R	41013S	21086-2226	GARLK	417621!	21086-2328	GARLK	417354!*
210098	WAYNE	455336	2106680	CLARK	417544!*	21086-2227	GARLK	417621!	21086-2329	GARLK	417354!
21009B	WAYNE	455336	2106808	CLARK	416112N=	21086-2228	GARLK	416288!	21086-2330	GARLK	416321
21010	C-R	410308!	2106846	CLARK	JV1999=	21086-2229	GARLK	416288!*	21086-2336	GARLK	415025
210107	HYST	473458!	2106850	CLARK	417545	21086-2230	GARLK	416288!*	21086-2337	GARLK	415025*
210108	HYST	471689!	21069	C-R	5589\$	21086-2231	GARLK	417171!	21086-2338	GARLK	415025*
210124	WAYNE	473448	2106900	CLARK	710024	21086-2232	GARLK	417171!*	21086-2342	GARLK	416327
21014	WOODB	471730	21070	C-R	5589	21086-2233	GARLK	417171!	21086-2345	GARLK	417492*
21015	VICK	471787!	2107025	CLARK	370038A*	21086-2234	GARLK	417172*	21086-2346	GARLK	417492*

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
21086-2347	GARLK	417492	21086-2449	GARLK	55030*	21086-2542	GARLK	417356!	21086-2664	GARLK	416891!
21086-2348	GARLK	417493*	21086-2450	GARLK	55646=	21086-2542	GARLK	455188	21086-2665	GARLK	416891!*
21086-2349	GARLK	417493*	21086-2453	GARLK	416670*	21086-2543	GARLK	417357	21086-2666	GARLK	416135!
21086-2350	GARLK	417493	21086-2454	GARLK	416670*	21086-2543	GARLK	455192!	21086-2669	GARLK	415045!*
21086-2354	GARLK	417494*	21086-2455	GARLK	416670*	21086-2544	GARLK	417357	21086-2670	GARLK	415045!
21086-2355	GARLK	417494*	21086-2459	GARLK	417502*	21086-2544	GARLK	455192!	21086-2671	GARLK	415045!*
21086-2356	GARLK	417494	21086-2462	GARLK	415379	21086-2545	GARLK	417357	21086-2675	GARLK	416137*
21086-2357	GARLK	455026*	21086-2462	GARLK	415379!	21086-2546	GARLK	416130!	21086-2676	GARLK	416137*
21086-2358	GARLK	455026*	21086-2463	GARLK	415379	21086-2547	GARLK	416130!*	21086-2677	GARLK	416137
21086-2359	GARLK	455026*	21086-2464	GARLK	415379	21086-2548	GARLK	416130!*	21086-2678	GARLK	417518*
21086-2363	GARLK	455471*	21086-2464	GARLK	415379!	21086-2549	GARLK	415036*	21086-2679	GARLK	417518*
21086-2364	GARLK	455471*	21086-2465	GARLK	417205!	21086-2550	GARLK	415036	21086-2680	GARLK	417518
21086-2365	GARLK	455471*	21086-2466	GARLK	417205!	21086-2551	GARLK	415036*	21086-2681	GARLK	415058*
21086-2366	GARLK	415991	21086-2467	GARLK	417205!	21086-2552	GARLK	417507	21086-2682	GARLK	415058
21086-2366	GARLK	455146!	21086-2468	GARLK	416339	21086-2553	GARLK	417507*	21086-2683	GARLK	415058*
21086-2367	GARLK	415991	21086-2469	GARLK	416339	21086-2554	GARLK	417507*	21086-2684	GARLK	456141
21086-2367	GARLK	455146!	21086-2469	GARLK	455031!	21086-2555	GARLK	415041*	21086-2687	GARLK	455197N*
21086-2368	GARLK	415991	21086-2470	GARLK	416339*	21086-2556	GARLK	415041	21086-2688	GARLK	455197N
21086-2368	GARLK	455146!	21086-2474	GARLK	415150!*	21086-2557	GARLK	415041*	21086-2689	GARLK	455197N*
21086-2369	GARLK	417196!*	21086-2475	GARLK	415150!	21086-2561	GARLK	417509*	21086-2693	GARLK	417520*
21086-2370	GARLK	417196!*	21086-2476	GARLK	415150!*	21086-2562	GARLK	417509*	21086-2694	GARLK	417520
21086-2371	GARLK	417196!	21086-2477	GARLK	416127	21086-2563	GARLK	417509	21086-2695	GARLK	417520*
21086-2372	GARLK	415437	21086-2480	GARLK	417503*	21086-2567	GARLK	417223*	21086-2699	GARLK	416144*
21086-2373	GARLK	415437	21086-2484	GARLK	417504*	21086-2568	GARLK	417223	21086-2700	GARLK	416144*
21086-2373	GARLK	415437!	21086-2485	GARLK	417504	21086-2569	GARLK	417223*	21086-2701	GARLK	416144
21086-2374	GARLK	415437	21086-2486	GARLK	455032!*	21086-2573	GARLK	55193*=	21086-2705	GARLK	417238
21086-2374	GARLK	415437!	21086-2487	GARLK	455032!*	21086-2574	GARLK	55193*=	21086-2711	GARLK	415196!*
21086-2375	GARLK	417198*	21086-2488	GARLK	455032!*	21086-2575	GARLK	55193*=	21086-2712	GARLK	415196!
21086-2376	GARLK	417198*	21086-2492	GARLK	455189*	21086-2579	GARLK	455037*	21086-2713	GARLK	415196!*
21086-2377	GARLK	417198	21086-2493	GARLK	455189*	21086-2580	GARLK	455037	21086-2717	GARLK	415047*
21086-2378	GARLK	415027	21086-2494	GARLK	455189*	21086-2581	GARLK	455037*	21086-2718	GARLK	415047
21086-2379	GARLK	415027	21086-2501	GARLK	417211!	21086-2600	GARLK	417511	21086-2719	GARLK	415047*
21086-2379	GARLK	415027!	21086-2502	GARLK	417211!*	21086-2601	GARLK	417511*	21086-2723	GARLK	416149*
21086-2380	GARLK	415027	21086-2503	GARLK	417211!	21086-2602	GARLK	417511	21086-2724	GARLK	416149*
21086-2381	GARLK	417495*	21086-2504	GARLK	416345!	21086-2603	GARLK	415142*	21086-2725	GARLK	416149
21086-2382	GARLK	417495*	21086-2505	GARLK	416345!	21086-2604	GARLK	415142*	21086-2726	GARLK	417522
21086-2383	GARLK	417495	21086-2505	GARLK	455033	21086-2605	GARLK	415142*	21086-2729	GARLK	415060*
21086-2384	GARLK	415559*	21086-2506	GARLK	416345!	21086-2609	GARLK	417512*	21086-2729	GARLK	455060*
21086-2385	GARLK	415559*	21086-2506	GARLK	455033	21086-2610	GARLK	417512	21086-2730	GARLK	415060
21086-2386	GARLK	415559*	21086-2507	GARLK	415697!	21086-2611	GARLK	417512*	21086-2730	GARLK	455060
21086-2390	GARLK	417496*	21086-2507	GARLK	455547	21086-2615	GARLK	415043*	21086-2731	GARLK	415060*
21086-2391	GARLK	417496	21086-2508	GARLK	415697!	21086-2616	GARLK	415043	21086-2731	GARLK	455060*
21086-2392	GARLK	417496*	21086-2508	GARLK	455547	21086-2617	GARLK	415043*	21086-2732	GARLK	55199*=
21086-2393	GARLK	415711*	21086-2509	GARLK	415697!	21086-2621	GARLK	455203*	21086-2733	GARLK	55199=
21086-2394	GARLK	415711*	21086-2509	GARLK	455547	21086-2622	GARLK	455203*	21086-2734	GARLK	55199*=
21086-2395	GARLK	415711	21086-2510	GARLK	417366!	21086-2623	GARLK	455203	21086-2738	GARLK	417525*
21086-2396	GARLK	417497*	21086-2511	GARLK	417366!*	21086-2627	GARLK	455056*	21086-2739	GARLK	417525
21086-2397	GARLK	417497*	21086-2512	GARLK	417366!	21086-2628	GARLK	455056	21086-2740	GARLK	417525*
21086-2398	GARLK	417497	21086-2513	GARLK	415958	21086-2629	GARLK	455056*	21086-2744	GARLK	417526*
21086-2399	GARLK	417498*	21086-2513	GARLK	415958!	21086-2630	GARLK	455194*	21086-2745	GARLK	417526*
21086-2400	GARLK	417498*	21086-2516	GARLK	417505	21086-2631	GARLK	455194*	21086-2746	GARLK	417526
21086-2401	GARLK	417498	21086-2519	GARLK	476470!	21086-2632	GARLK	455194*	21086-2750	GARLK	415351!*
21086-2402	GARLK	55028*	21086-2519	GARLK	476470	21086-2636	GARLK	417513*	21086-2751	GARLK	415351!
21086-2417	GARLK	416332!	21086-2520	GARLK	415034!	21086-2637	GARLK	417513	21086-2752	GARLK	415351!*
21086-2418	GARLK	416332!	21086-2521	GARLK	476470!	21086-2638	GARLK	417513*	21086-2753	GARLK	416888!
21086-2419	GARLK	416332!	21086-2521	GARLK	476470	21086-2642	GARLK	417514*	21086-2754	GARLK	416888!
21086-2420	GARLK	415937!	21086-2525	GARLK	455191*	21086-2643	GARLK	417514	21086-2755	GARLK	416888!
21086-2421	GARLK	415937!	21086-2527	GARLK	455191*	21086-2644	GARLK	417514*	21086-2756	GARLK	416153!
21086-2422	GARLK	415937!	21086-2528	GARLK	415263	21086-2648	GARLK	417515*	21086-2757	GARLK	416153!
21086-2423	GARLK	417355!	21086-2529	GARLK	415263*	21086-2654	GARLK	417516	21086-2758	GARLK	416153!
21086-2424	GARLK	417355!*	21086-2530	GARLK	415263*	21086-2655	GARLK	417516	21086-2759	GARLK	416892!
21086-2425	GARLK	417355!	21086-2531	GARLK	417506*	21086-2656	GARLK	417516*	21086-2760	GARLK	416892!
21086-2426	GARLK	416125!	21086-2532	GARLK	417506	21086-2657	GARLK	472157!	21086-2761	GARLK	416892!*
21086-2427	GARLK	416125!*	21086-2533	GARLK	417506*	21086-2657	GARLK	472157	21086-2762	GARLK	417531
21086-2428	GARLK	416125!*	21086-2537	GARLK	415035	21086-2658	GARLK	472157!	21086-2765	GARLK	416154!*
21086-2432	GARLK	417499	21086-2538	GARLK	415035!	21086-2658	GARLK	472157	21086-2766	GARLK	416154!*
21086-2435	GARLK	415832	21086-2538	GARLK	415035	21086-2659	GARLK	416556!	21086-2767	GARLK	416154!
21086-2441	GARLK	417501*	21086-2539	GARLK	415035!	21086-2659	GARLK	472157	21086-2768	GARLK	416070
21086-2442	GARLK	417501*	21086-2540	GARLK	417356!	21086-2660	GARLK	415196!	21086-2769	GARLK	416070
21086-2443	GARLK	417501	21086-2540	GARLK	455188	21086-2661	GARLK	415196!*	21086-2770	GARLK	416070*
21086-2447	GARLK	55030*	21086-2541	GARLK	417356!	21086-2662	GARLK	415196!*	21086-2771	GARLK	415351!
21086-2448	GARLK	55030*	21086-2541	GARLK	455188	21086-2663	GARLK	416891!	21086-2772	GARLK	415351!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
21086-2773	GARLK 415351!	21086-2905	GARLK 417540	21086-3180	GARLK 417360	21086-3417	GARLK 55242*
21086-2774	GARLK 417532*	21086-2915	GARLK 415725!	21086-3181	GARLK 417360	21086-3418	GARLK 55242*
21086-2775	GARLK 417532*	21086-2916	GARLK 415725!*	21086-3182	GARLK 416107!	21086-3419	GARLK 55242*
21086-2776	GARLK 417532	21086-2917	GARLK 415725!	21086-3183	GARLK 416107!	21086-3420	GARLK 55242
21086-2780	GARLK 417533*	21086-2918	GARLK 417584*	21086-3183	GARLK 455073	21086-3421	GARLK 417563*
21086-2781	GARLK 417533	21086-2921	GARLK 416865!	21086-3184	GARLK 416107!	21086-3422	GARLK 417563*
21086-2782	GARLK 417533*	21086-2922	GARLK 416865!	21086-3184	GARLK 455073	21086-3423	GARLK 417563*
21086-2786	GARLK 417534*	21086-2923	GARLK 416865!	21086-3185	GARLK 417361	21086-3424	GARLK 417563
21086-2787	GARLK 417534*	21086-2924	GARLK 417278	21086-3190	GARLK 415610	21086-3426	GARLK 415294!
21086-2788	GARLK 417534	21086-2926	GARLK 417278	21086-3200	GARLK 456192	21086-3427	GARLK 415294!
21086-2792	GARLK 457585*	21086-2927	GARLK 417541	21086-3215	GARLK 55358=	21086-3434	GARLK 416229*
21086-2798	GARLK 416156	21086-2928	GARLK 417541*	21086-3216	GARLK 55358=	21086-3435	GARLK 416229
21086-2799	GARLK 416156	21086-2929	GARLK 417541	21086-3217	GARLK 55358=	21086-3444	GARLK 417298*
21086-2801	GARLK 415371	21086-2933	GARLK 417542*	21086-3228	GARLK 417555!*	21086-3445	GARLK 417298
21086-2802	GARLK 415371	21086-2934	GARLK 417542*	21086-3229	GARLK 417555!*	21086-3460	GARLK 415327*
21086-2803	GARLK 415371*	21086-2935	GARLK 417542	21086-3230	GARLK 417555!	21086-3461	GARLK 415327
21086-2804	GARLK 455685*	21086-2936	GARLK 417543*	21086-3234	GARLK 417556*	21086-3464	GARLK 417596
21086-2805	GARLK 455685*	21086-2937	GARLK 417543*	21086-3235	GARLK 416288!*	21086-3465	GARLK 417596
21086-2806	GARLK 455685	21086-2938	GARLK 417543	21086-3236	GARLK 417556	21086-3474	GARLK 455948
21086-2807	GARLK 416158*	21086-2941	GARLK 417544	21086-3240	GARLK 417040	21086-3482	GARLK 455584
21086-2808	GARLK 416158*	21086-2951	GARLK 417545*	21086-3249	GARLK 456199=	21086-3483	GARLK 455584
21086-2809	GARLK 416158	21086-2960	GARLK 455290*	21086-3275	GARLK 417362!*	21086-3492	GARLK 416364!
21086-2813	GARLK 415064*	21086-2961	GARLK 455290*	21086-3276	GARLK 417362!*	21086-3493	GARLK 416364!
21086-2814	GARLK 415064	21086-2962	GARLK 455290	21086-3277	GARLK 417362!	21086-3496	GARLK 417597*
21086-2815	GARLK 415064*	21086-2990	GARLK 416557	21086-3278	GARLK 417363	21086-3497	GARLK 417597
21086-2819	GARLK 415284*	21086-2992	GARLK 416557	21086-3281	GARLK 416666*	21086-3500	GARLK 416239!
21086-2820	GARLK 415284	21086-2993	GARLK 417258*	21086-3282	GARLK 416666*	21086-3501	GARLK 416239!
21086-2821	GARLK 415284*	21086-2996	GARLK 417546!*	21086-3283	GARLK 416666	21086-3504	GARLK 417564*
21086-2825	GARLK 417535	21086-2997	GARLK 417546!*	21086-3284	GARLK 417364	21086-3505	GARLK 417564
21086-2826	GARLK 417535*	21086-2998	GARLK 417546!	21086-3293	GARLK 416039	21086-3514	GARLK 416077*
21086-2827	GARLK 417535	21086-2999	GARLK 417547*	21086-3296	GARLK 416039	21086-3515	GARLK 416077
21086-2831	GARLK 417536	21086-3000	GARLK 417547*	21086-3322	GARLK 416476!	21086-3518	GARLK 416044
21086-2832	GARLK 417536	21086-3001	GARLK 417547	21086-3323	GARLK 416476!	21086-3519	GARLK 416044
21086-2833	GARLK 417536*	21086-3030	GARLK 417548	21086-3324	GARLK 416476!	21086-3526	GARLK 415116*
21086-2834	GARLK 417537	21086-3032	GARLK 417548*	21086-3331	GARLK 455297*	21086-3527	GARLK 415116
21086-2835	GARLK 417537*	21086-3033	GARLK 417548*	21086-3332	GARLK 455297	21086-3536	GARLK 455117*
21086-2836	GARLK 417537	21086-3034	GARLK 417548	21086-3333	GARLK 455297*	21086-3537	GARLK 455117
21086-2837	GARLK 415138!*	21086-3059	GARLK 417262!	21086-3347	GARLK 417780*	21086-3538	GARLK 415317*
21086-2838	GARLK 415138!	21086-3060	GARLK 417262!	21086-3348	GARLK 417780	21086-3539	GARLK 415317
21086-2839	GARLK 415138!	21086-3061	GARLK 417262!	21086-3349	GARLK 417780*	21086-3544	GARLK 415867*
21086-2840	GARLK 417538*	21086-3062	GARLK 417358	21086-3355	GARLK 415683	21086-3545	GARLK 415867
21086-2842	GARLK 417538	21086-3065	GARLK 415645!	21086-3356	GARLK 415683*	21086-3552	GARLK 415551*
21086-2843	GARLK 417247!	21086-3065	GARLK 455104	21086-3357	GARLK 415683*	21086-3553	GARLK 415551
21086-2844	GARLK 417247!*	21086-3066	GARLK 415645!	21086-3358	GARLK 417365	21086-3557	GARLK 415116
21086-2845	GARLK 417247!	21086-3066	GARLK 455104	21086-3359	GARLK 417365	21086-3558	GARLK 416102
21086-2846	GARLK 417252*	21086-3067	GARLK 415645!	21086-3360	GARLK 417365	21086-3566	GARLK 417598*
21086-2847	GARLK 417252*	21086-3067	GARLK 455104	21086-3367	GARLK 415072*	21086-3567	GARLK 417598
21086-2848	GARLK 417252	21086-3068	GARLK 417359	21086-3368	GARLK 415072	21086-3574	GARLK 457299
21086-2849	GARLK 415066*	21086-3070	GARLK 417359	21086-3369	GARLK 415072*	21086-3578	GARLK 455406!*
21086-2850	GARLK 415066	21086-3071	GARLK 417549!*	21086-3370	GARLK 415072*	21086-3579	GARLK 455406!
21086-2851	GARLK 415066*	21086-3095	GARLK 417550	21086-3375	GARLK 455330!*	21086-3582	GARLK 455397
21086-2858	GARLK 416163*	21086-3096	GARLK 417550*	21086-3376	GARLK 455330!*	21086-3583	GARLK 455397
21086-2859	GARLK 416163*	21086-3097	GARLK 417550	21086-3377	GARLK 455330!	21086-3588	GARLK 455121*
21086-2860	GARLK 416163	21086-3122	GARLK 417551	21086-3384	GARLK 415074*	21086-3589	GARLK 455121
21086-2864	GARLK 456890	21086-3123	GARLK 417551*	21086-3385	GARLK 415074	21086-3593	GARLK 415656
21086-2865	GARLK 456890	21086-3124	GARLK 417551	21086-3386	GARLK 415074*	21086-3596	GARLK 417600*
21086-2866	GARLK 456890	21086-3125	GARLK 455576!	21086-3387	GARLK 415074*	21086-3597	GARLK 417600
21086-2873	GARLK 416167!	21086-3126	GARLK 455576!*	21086-3394	GARLK 455480!*	21086-3600	GARLK 417601*
21086-2874	GARLK 416167!	21086-3127	GARLK 455576!	21086-3395	GARLK 455480!	21086-3601	GARLK 417601
21086-2875	GARLK 416167!	21086-3128	GARLK 415938*	21086-3396	GARLK 455480!*	21086-3602	GARLK 417602!*
21086-2876	GARLK 417267*	21086-3129	GARLK 415938*	21086-3397	GARLK 455480!*	21086-3607	GARLK 415124*
21086-2877	GARLK 417267*	21086-3130	GARLK 415938	21086-3398	GARLK 55316=*	21086-3609	GARLK 417022*
21086-2878	GARLK 417267	21086-3131	GARLK 417554!*	21086-3399	GARLK 55316=*	21086-3610	GARLK 417604*
21086-2879	GARLK 417269!	21086-3132	GARLK 417554!*	21086-3400	GARLK 55316=*	21086-3611	GARLK 417567*
21086-2880	GARLK 417269!	21086-3133	GARLK 417554!	21086-3401	GARLK 55316=	21086-3613	GARLK 415128*
21086-2881	GARLK 417269!	21086-3155	GARLK 55357*	21086-3402	GARLK 417562*	21086-3614	GARLK 455129*
21086-2894	GARLK 417539!*	21086-3156	GARLK 55357*	21086-3403	GARLK 417562*	21086-3615	GARLK 55301S
21086-2900	GARLK 417273*	21086-3157	GARLK 55357	21086-3404	GARLK 417562*	21086-3617	GARLK 455476
21086-2901	GARLK 417273	21086-3176	GARLK 417254*	21086-3405	GARLK 417562*	21086-3618	GARLK 456462
21086-2902	GARLK 417273*	21086-3177	GARLK 417254*	21086-3406	GARLK 55692=*	21086-3619	GARLK 455462
21086-2903	GARLK 417540*	21086-3178	GARLK 417254	21086-3407	GARLK 55692=*	21086-3623	GARLK 415090
21086-2904	GARLK 417540*	21086-3179	GARLK 417360	21086-3408	GARLK 55692=	21086-3624	GARLK 415090*

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
21086-3627	GARLK	55218=	21086-6089R1	GARLK	416077	21099	C-R	470898!	211-4588	ITM	355200
21086-3633	GARLK	415219*	21086-6146R1	GARLK	415074	2109BG	SPG	2109	211-4588	ITM	416888!
21086-3634	GARLK	415871	21086-6433	GARLK	416364!	210R	TIMKE	210PKG	211-4609	ITM	471652
21086-3646	GARLK	417606*	21086-6433F1	GARLK	416364!	210VB7	MARI	415449!	211-4746	ITM	1967
21086-3648	GARLK	417606	21086-6434R1	GARLK	417357	210X240X15	SIMRT	210X240X15	211-4748	ITM	1967
21086-3649	GARLK	55222=	21086-6435	GARLK	415962	210X240X15SC	TRSCM	210X240X15	211-4765	ITM	473454
21086-3652	GARLK	55239=	21086-6437F1	GARLK	416239!	210X240X15TC	TRSCM	210X240X15	211-4782	ITM	472324!
21086-3654	GARLK	55078S	21086-6484F1	GARLK	476470	210X250X15	SIMRT	210X250X15	211-4785	ITM	1177
21086-3655	GARLK	55223=	21086-6484F1	GARLK	476470!	211	C-R	5117	211-4786	ITM	1960
21086-3656	GARLK	55224=	21086-6590F1	GARLK	416332!	211	THIOK	473241	211-4788	ITM	1176
21086-3660	GARLK	417605	21086-6603F1	GARLK	415725!	211	UNIVE	455151	211-4795	ITM	1959
21086-3662	GARLK	456483=	21086-6661F1	GARLK	417600	211-1013	ITM	413818	211-4978	ITM	446927!
21086-3670	GARLK	456483=	21086-6711R1	GARLK	415725!	211-1015	ITM	494122	211-5016	ITM	472164!
21086-3673	GARLK	417020	21086-6760F1	GARLK	417603!	211-1016	ITM	2003N!	211-6126	ITM	350936
21086-3676	GARLK	417570*	21086-6872R1	GARLK	417362!	211-1018	ITM	474134	211-6131	ITM	48X72X7!
21086-3677	GARLK	417570	21086-6891F1	GARLK	416239!	211-1029	ITM	2002	211-6139	ITM	40322=
21086-3680	GARLK	415227!	21086-6920F1	GARLK	415294!	211-1033	ITM	1986	211-6140	ITM	239128
21086-3687	GARLK	55228*=	21086-6978F1	GARLK	416380!	211-1034	ITM	334111	211-6149	ITM	1165
21086-3688	GARLK	55228*=	21086-7115F1	GARLK	415991!	211-1039	ITM	1985	211-6158	ITM	480630!
21086-3689	GARLK	55228=	21086-7115F1	GARLK	415991	211-1040	ITM	1999	211-6174	ITM	472213
21086-3694	GARLK	415482	21086-7151F1	GARLK	415645!	211-1041	ITM	223014	211-6178	ITM	224025
21086-3705	GARLK	415076*	21086-7155F1	GARLK	415072	211-1044	ITM	1938	211-6188	ITM	2642
21086-3737	GARLK	55103S	21086-7233F1	GARLK	415551	211-1047	ITM	1939	211-6193	ITM	472397!
21086-3775	GARLK	455330!	21086-7289F1	GARLK	417191	211-1051	ITM	1952	211-6232	ITM	9845
21086-3924	GARLK	417602!*	21086-7402F1	GARLK	415088	211-1052	ITM	1943	211-6301	ITM	1209
21086-3925	GARLK	417602!	21086-7433F1	GARLK	415072	211-1055	ITM	494117	211-6302	ITM	1195
21086-3932	GARLK	455123*	21086-7433R1	GARLK	415072	211-1577	ITM	472397!	211-6305	ITM	48X72X7!
21086-3937	GARLK	417603!	21086-7436F1	GARLK	415327	211-2142	ITM	331227H	211-6318	ITM	473230!
21086-3945	GARLK	417567	21086-7448F1	GARLK	415036	211-2171	ITM	1086=	211-6319	ITM	482126
21086-3949	GARLK	455966	21086-7670F1	GARLK	476470!	211-2392	ITM	470565!	211-6325	ITM	5697
21086-3951	GARLK	415128	21086-7670F1	GARLK	476470	211-2410	ITM	472164!	211-6330	ITM	471766=
21086-3954	GARLK	455462	21086-7673F1	GARLK	417020	211-2491	ITM	471785!	211-6332	ITM	1192
21086-3965	GARLK	416257	21086-7686F1	GARLK	415041	211-2494	ITM	2551	211-6360	ITM	224015
21086-3967	GARLK	415219	21086-7880F1	GARLK	416556!	211-2625	ITM	470898	211-6369	ITM	5778
21086-3975	GARLK	415871	21086-7880F1	GARLK	472157	211-2696	ITM	471870!	211-6375	ITM	1183
21086-3984	GARLK	417606	21086-7909F1	GARLK	417606	211-2767	ITM	470334!	211-6377	ITM	1981
21086-3989	GARLK	55223*=	21086-7953	GARLK	415577*	211-2787	ITM	472258!	211-6378	ITM	1992
21086-3996	GARLK	417020*	21086-7973	GARLK	55329*=	211-2871	ITM	224015	211-6430	ITM	1196
21086-3998	GARLK	417020*	21086-8149F1	GARLK	415294!	211-3130	ITM	473234!	211-6432	ITM	2955
21086-4016	GARLK	415227!*	21086-8216F1	GARLK	415327	211-3131	ITM	64X80X8	211-6441	ITM	221925
21086-4030	GARLK	55228*=	21086-8306F1	GARLK	416107!	211-3133	ITM	470625!	211-6454	ITM	473573
21086-4057	GARLK	415077*	21086-8311F1	GARLK	415437	211-3141	ITM	1873	211-6465	ITM	228010
21086-4058	GARLK	415077	21086-8319F1	GARLK	416321	211-3154	ITM	43076S	211-6466	ITM	227045
21086-4059	GARLK	415077*	21086-8531F1	GARLK	416670	211-3156	ITM	473241	211-6471	ITM	1170
21086-4062	GARLK	415076	21086-8663R1	GARLK	417541	211-3233	ITM	473234!	211-6472	ITM	32X58X8!
21086-4184	GARLK	55103S	21086-8683F1	GARLK	417511	211-3242	ITM	7399S!	211-6500	ITM	473823
21086-4502	GARLK	417603!*	21086-8932R1	GARLK	415725!	211-3285	ITM	473231!	211-6512	ITM	473237!
21086-4503	GARLK	417940!	21086-8996F1	GARLK	416154!	211-3331	ITM	224252	211-6525	ITM	2551
21086-4503	GARLK	55301S*	21086-9209F1	GARLK	412473!	211-3447	ITM	223620	211-6532	ITM	331227H
21086-4505	GARLK	455476*	21086-9347F1	GARLK	416158	211-3491	ITM	35X47X7	211-6534	ITM	1173
21086-4506	GARLK	456462	21086-9401R1	GARLK	417355!	211-3494	ITM	340823	211-6535	ITM	5591
21086-4507	GARLK	455462*	21086-9664R1	GARLK	417596	211-3496	ITM	35X47X7	211-6536	ITM	1188
21086-4515	GARLK	55239*=	21086-9724	GARLK	417487	211-3498	ITM	471224!	211-6538	ITM	1188
21086-4517	GARLK	55078S*	21086-9780	GARLK	415294!	211-3507	ITM	223535	211-6586	ITM	3771
21086-4526	GARLK	55228*=	210862192	GARLK	416370!	211-3509	ITM	473228	211-6599	ITM	1906
21086-4587	GARLK	416394	21087	C-R	470898!	211-3511	ITM	471192	211-6671	ITM	1950
21086-4929R1	GARLK	417606	2108730	CLARK	370030A	211-3580	ITM	472492!	211-7200	ITM	473237!
21086-4966F1	GARLK	417247!	21088	C-R	470898!	211-3640	ITM	471646!	211-7201	ITM	473237!
21086-4991R1	GARLK	415294!	2108BG	SPG	455655	211-3655	ITM	239145	211-7506	ITM	1987
21086-5049R1	GARLK	415034!	21091	C-R	470898*	211-3772	ITM	471692!	211-7507	ITM	1990
21086-5201F1	GARLK	417211!	21092	C-R	40566S	211-3835	ITM	471737	211-7513	ITM	473258
21086-5280F1	GARLK	415036	21093	C-R	40566S	211-3952	ITM	470487!	211-7521	ITM	1884
21086-5319F1	GARLK	417492	210945	TIMKE	210945	211-3971	ITM	472258!	211-7529	ITM	413818
21086-5332F1	GARLK	416321	2109451	GRAM	450398	211-3996	ITM	472492!	211-7530	ITM	1949
21086-5492F1	GARLK	415041	2109451	GRAM	471267!	211-405-641B	VW	1967	211-7539	ITM	224015
21086-5512F1	GARLK	476470!	21095	C-R	470898=	211-405-641D	VW	1209	211-7540	ITM	1984
21086-5512F1	GARLK	476470	21095	C-R	470898	211-4070	ITM	1110	211-7547	ITM	444116
21086-5332F1	GARLK	416125!	21096	C-R	470898	211-4152	ITM	1110	211-7548	ITM	225540
21086-5683F1	GARLK	417603!	2109665	CLARK	471272!	211-4531	ITM	1974	211-7550	ITM	1992
21086-5831F1	GARLK	416888!	21097	C-R	40566S	211-4535	ITM	3771	211-7599	ITM	225650
21086-5923F1	GARLK	415610	210972	CUMMI	J1126	211-4555	ITM	2326=	211-7628	ITM	1949
21086-5949R1	GARLK	415090	21098	C-R	470898*	211-4576	ITM	471835!	211-7649	ITM	5108

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
211-7650	ITM	21120	C-R	2114781	ITM	21158-0177	GARLK
211-7673	ITM	21121	C-R	2114784	ITM	21158-0178	GARLK
211-7688	ITM	2112199	ITM	2114784	ITM	21158-0179	GARLK
211-7690	ITM	2112199	ITM	2114789	ITM	21158-0180	GARLK
211-7692	ITM	21122	C-R	2114789	ITM	21158-0181	GARLK
211-7718	ITM	2112202	ITM	2114797	ITM	21158-0183	GARLK
211-7774	ITM	2112202	ITM	2114799	ITM	21158-0185	GARLK
211-7903	ITM	21123	C-R	2114799	ITM	21158-0187	GARLK
211-7904	ITM	2112328	ITM	2114802	ITM	21158-0189	GARLK
211-7915	ITM	2112328	ITM	2114802	ITM	21158-0193	GARLK
211-7916	ITM	2112398	ITM	21149	C-R	21158-0195	GARLK
211-7917	ITM	21125	C-R	21149	LAU	21158-0199	GARLK
211-7923	ITM	21125	UNIVE	2114949	ITM	21158-0203	GARLK
211-7950	ITM	211253	CUMMI	2114949	ITM	21158-0204	GARLK
211-7951	ITM	21126	C-R	2114954	ITM	21158-0213	GARLK
211-7954	ITM	21128	GARLK	2114954	ITM	21158-0215	GARLK
211-7956	ITM	21131	C-R	21150	C-R	21158-0216	GARLK
211-7957	ITM	21133	C-R	211501317	VW	21158-0217	GARLK
211-7959	ITM	211334	ALLCH	211501317	VW	21158-0218	GARLK
211-7962	ITM	211335	ALLCH	211501317A	VW	21158-0219	GARLK
211-7964	ITM	21134	C-R	211501317A	VW	21158-0221	GARLK
211-7967	ITM	21134	C-R	2115015	GMC	21158-0222	GARLK
211-7970	ITM	2113470	ITM	21151	LAU	21158-0223	GARLK
211-7972	ITM	2113470	ITM	2115265	GMC	21158-0224	GARLK
211-7976	ITM	2113485	ITM	2115265	GMC	21158-0225	GARLK
211-7987	ITM	2113485	ITM	2115266	GMC	21158-0226	GARLK
211-7989	ITM	2113487	ITM	21153	LAU	21158-0227	GARLK
211-7994	ITM	2113487	ITM	21154	LAU	21158-0228	GARLK
211-8135	ITM	211351	CLARK	21155	LAU	21158-0229	GARLK
211-8284	ITM	2113560	ITM	21156	C-R	21158-0237	GARLK
21100	C-R	2113560	ITM	21158	C-R	21158-0241	GARLK
21101	C-R	21136	C-R	21158-0005	GARLK	21158-0251	GARLK
2110147	GRAM	21136	C-R	21158-0101	GARLK	21158-0252	GARLK
211017	TW-DI	21137	MICH	21158-0102	GARLK	21158-0255	GARLK
21103	C-R	21137	UNIVE	21158-0105	GARLK	21158-0256	GARLK
211035	WOOL	21138	GARLK	21158-0106	GARLK	21158-0257	GARLK
2110456	CLARK	2113842	ITM	21158-0109	GARLK	21158-0257	GARLK
21105	C-R	2113842	ITM	21158-0110	GARLK	21158-0258	GARLK
2110554	GRAM	2113909	ITM	21158-0111	GARLK	21158-0258	GARLK
21106	C-R	2113933	ITM	21158-0112	GARLK	21158-0259	GARLK
21107	C-R	2113933	ITM	21158-0113	GARLK	21158-0260	GARLK
21108	C-R	2113973	ITM	21158-0114	GARLK	21158-0261	GARLK
2110RC	SUL	2113973	ITM	21158-0115	GARLK	21158-0269	GARLK
21110	C-R	2113974	ITM	21158-0116	GARLK	21158-0270	GARLK
2111019	ITM	2113974	ITM	21158-0119	GARLK	21158-0271	GARLK
2111019	ITM	2113975	ITM	21158-0124	GARLK	21158-0273	GARLK
2111020	ITM	2113975	ITM	21158-0142	GARLK	21158-0274	GARLK
2111020	ITM	211401	ALLCH	21158-0143	GARLK	21158-0275	GARLK
2111022	ITM	21141	C-R	21158-0144	GARLK	21158-0276	GARLK
2111022	ITM	211416	CINMI	21158-0145	GARLK	21158-0277	GARLK
2111035	WOOL	21144	C-R	21158-0146	GARLK	21158-0278	GARLK
2111042	ITM	211441	BRCWY	21158-0147	GARLK	21158-0279	GARLK
2111042	ITM	2114521	ITM	21158-0149	GARLK	21158-0285	GARLK
2111077	ITM	2114530	ITM	21158-0150	GARLK	21158-0286	GARLK
21111	C-R	2114530	ITM	21158-0151	GARLK	21158-0288	GARLK
211110	C-R	2114532	ITM	21158-0152	GARLK	21158-0289	GARLK
211111	C-R	2114532	ITM	21158-0153	GARLK	21158-0290	GARLK
211112	BENDI	2114533	ITM	21158-0155	GARLK	21158-0291	GARLK
211112	C-R	2114533	ITM	21158-0156	GARLK	21158-0292	GARLK
21112	C-R	2114536	ITM	21158-0157	GARLK	21158-0293	GARLK
21112	C-R	2114536	ITM	21158-0158	GARLK	21158-0295	GARLK
21113	C-R	2114583	ITM	21158-0159	GARLK	21158-0295	GARLK
21113	GARLK	2114618	GMC	21158-0160	GARLK	21158-0297	GARLK
211132C92	IH	2114646	ITM	21158-0161	GARLK	21158-0298	GARLK
2111398X	GRAM	2114646	ITM	21158-0162	GARLK	21158-0299	GARLK
21114	GWI	2114747	ITM	21158-0165	GARLK	21158-0300	GARLK
211163	US-EL	2114747	ITM	21158-0166	GARLK	21158-0301	GARLK
211166	ALLCH	2114777	ITM	21158-0167	GARLK	21158-0302	GARLK
21117	C-R	2114777	ITM	21158-0171	GARLK	21158-0303	GARLK
21117	GARLK	2114780	ITM	21158-0172	GARLK	21158-0304	GARLK
21118	C-R	2114780	ITM	21158-0175	GARLK	21158-0305	GARLK
21119	C-R	2114781	ITM	21158-0176	GARLK	21158-0306	GARLK

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
21158-0307	GARLK	481650	21158-0539	GARLK	472287!*	21158-0723	GARLK	473441	21158-0909	GARLK	472185!
21158-0308	GARLK	481650*	21158-0544	GARLK	473214!	21158-0724	GARLK	450273	21158-0910	GARLK	470334!
21158-0323	GARLK	471651	21158-0545	GARLK	473214!	21158-0733	GARLK	450065*	21158-0911	GARLK	470334!
21158-0324	GARLK	471651*	21158-0546	GARLK	473214!	21158-0734	GARLK	450065	21158-0912	GARLK	470334!
21158-0325	GARLK	471705!	21158-0547	GARLK	473215!*	21158-0739	GARLK	482253*	21158-0913	GARLK	472179
21158-0326	GARLK	471705!	21158-0548	GARLK	473215!*	21158-0742	GARLK	451469*	21158-0914	GARLK	472179
21158-0327	GARLK	473419	21158-0549	GARLK	473215!	21158-0744	GARLK	451469	21158-0915	GARLK	472179
21158-0328	GARLK	473419	21158-0550	GARLK	470950!	21158-0751	GARLK	450274	21158-0916	GARLK	473447
21158-0329	GARLK	471735*	21158-0550	GARLK	6241S	21158-0760	GARLK	473231	21158-0918	GARLK	473447
21158-0330	GARLK	471735	21158-0551	GARLK	470950!	21158-0761	GARLK	473231	21158-0919	GARLK	470334!
21158-0331	GARLK	450342	21158-0551	GARLK	6241S	21158-0762	GARLK	473231	21158-0919	GARLK	50289
21158-0333	GARLK	471762!	21158-0552	GARLK	470950!	21158-0763	GARLK	473367	21158-0921	GARLK	470334!
21158-0334	GARLK	471762!	21158-0552	GARLK	6241S	21158-0763	GARLK	473367!	21158-0921	GARLK	50289
21158-0335	GARLK	473420*	21158-0556	GARLK	471835!	21158-0764	GARLK	473367!	21158-0922	GARLK	471141!
21158-0336	GARLK	473420	21158-0557	GARLK	471835!	21158-0764	GARLK	473367	21158-0923	GARLK	471141!
21158-0341	GARLK	450044*	21158-0559	GARLK	472843*	21158-0765	GARLK	473367!	21158-0924	GARLK	471141!
21158-0347	GARLK	450159*	21158-0566	GARLK	50126	21158-0765	GARLK	473367	21158-0925	GARLK	473448
21158-0353	GARLK	471692!	21158-0574	GARLK	50254*=	21158-0769	GARLK	473010	21158-0927	GARLK	473448
21158-0354	GARLK	471692!	21158-0592	GARLK	473224!*	21158-0771	GARLK	473010	21158-0928	GARLK	471984*
21158-0355	GARLK	476838!	21158-0593	GARLK	473224!	21158-0772	GARLK	473232	21158-0930	GARLK	471984
21158-0356	GARLK	476838!	21158-0594	GARLK	473224!*	21158-0774	GARLK	473232	21158-0931	GARLK	473313
21158-0359	GARLK	471763*	21158-0595	GARLK	473016!*	21158-0775	GARLK	481864	21158-0933	GARLK	473313
21158-0360	GARLK	471763	21158-0596	GARLK	473016!*	21158-0777	GARLK	481864	21158-0940	GARLK	50266*
21158-0363	GARLK	471736	21158-0597	GARLK	473016!	21158-0781	GARLK	450275	21158-0943	GARLK	450269*
21158-0365	GARLK	473428*	21158-0599	GARLK	473225!*	21158-0782	GARLK	450275	21158-0946	GARLK	450285*
21158-0367	GARLK	471764!	21158-0600	GARLK	473225!	21158-0783	GARLK	450275	21158-0949	GARLK	471866!*
21158-0369	GARLK	473427*	21158-0601	GARLK	474264	21158-0787	GARLK	473444	21158-0951	GARLK	471866!
21158-0370	GARLK	473427	21158-0602	GARLK	474264	21158-0788	GARLK	473444	21158-0958	GARLK	473448*
21158-0374	GARLK	450362*	21158-0603	GARLK	474264	21158-0789	GARLK	473444	21158-0961	GARLK	471984*
21158-0377	GARLK	450600=	21158-0607	GARLK	473226*	21158-0790	GARLK	473231	21158-0964	GARLK	473313
21158-0383	GARLK	472475*	21158-0608	GARLK	473226*	21158-0792	GARLK	473231	21158-0976	GARLK	472070*
21158-0384	GARLK	472475	21158-0609	GARLK	473226	21158-0793	GARLK	473367!	21158-0978	GARLK	472070
21158-0385	GARLK	473426*	21158-0610	GARLK	473437*	21158-0793	GARLK	473367	21158-0979	GARLK	471866!
21158-0386	GARLK	473426	21158-0612	GARLK	473437	21158-0799	GARLK	450260*	21158-0982	GARLK	473449
21158-0389	GARLK	471354!*	21158-0613	GARLK	471862	21158-0805	GARLK	450073*	21158-0984	GARLK	473449
21158-0390	GARLK	471354!	21158-0615	GARLK	471862	21158-0808	GARLK	450284=	21158-0987	GARLK	480281!
21158-0403	GARLK	450048*	21158-0619	GARLK	473438*	21158-0810	GARLK	450284=	21158-0988	GARLK	450269*
21158-0405	GARLK	450173*	21158-0621	GARLK	473438	21158-0820	GARLK	450415*	21158-0991	GARLK	473450
21158-0427	GARLK	471766!	21158-0622	GARLK	473439!*	21158-0826	GARLK	473233!	21158-1003	GARLK	451993=
21158-0428	GARLK	471766!	21158-0624	GARLK	473439!	21158-0827	GARLK	473233!	21158-1005	GARLK	451993=
21158-0433	GARLK	450177*	21158-0643	GARLK	470625!	21158-0828	GARLK	473233!	21158-1006	GARLK	473451!*
21158-0442	GARLK	471808!*	21158-0644	GARLK	470625!	21158-0829	GARLK	473445*	21158-1012	GARLK	473452
21158-0443	GARLK	471808!*	21158-0645	GARLK	470625!	21158-0835	GARLK	473234	21158-1021	GARLK	473453
21158-0444	GARLK	471808!	21158-0649	GARLK	471820*	21158-0836	GARLK	473234	21158-1023	GARLK	473453*
21158-0445	GARLK	471818*	21158-0650	GARLK	471820*	21158-0837	GARLK	473234	21158-1042	GARLK	472439*
21158-0446	GARLK	471818*	21158-0655	GARLK	473228	21158-0838	GARLK	473235!*	21158-1043	GARLK	472439*
21158-0447	GARLK	471818*	21158-0656	GARLK	473228	21158-0840	GARLK	473235!	21158-1044	GARLK	472439
21158-0448	GARLK	470050*	21158-0657	GARLK	473228	21158-0841	GARLK	474265	21158-1045	GARLK	471868
21158-0451	GARLK	473424!*	21158-0658	GARLK	451857*	21158-0842	GARLK	474265	21158-1047	GARLK	471868
21158-0454	GARLK	450124=	21158-0659	GARLK	451857*	21158-0843	GARLK	474265	21158-1048	GARLK	472572!
21158-0482	GARLK	473210	21158-0660	GARLK	451857	21158-0844	GARLK	473236!*	21158-1050	GARLK	472572!
21158-0487	GARLK	473421*	21158-0664	GARLK	473440!*	21158-0845	GARLK	473236!*	21158-1051	GARLK	473179!
21158-0490	GARLK	473211!*	21158-0665	GARLK	473440!*	21158-0846	GARLK	473236!	21158-1052	GARLK	473179!
21158-0491	GARLK	473211!*	21158-0666	GARLK	473440!	21158-0853	GARLK	473446	21158-1053	GARLK	473179!
21158-0492	GARLK	473211!*	21158-0668	GARLK	474281!	21158-0854	GARLK	473446	21158-1054	GARLK	414045!*
21158-0493	GARLK	473212!*	21158-0669	GARLK	474281!	21158-0855	GARLK	473446*	21158-1057	GARLK	473238
21158-0494	GARLK	473212!*	21158-0670	GARLK	470625!	21158-0859	GARLK	471981	21158-1058	GARLK	473238
21158-0495	GARLK	473212!	21158-0700	GARLK	472213	21158-0861	GARLK	471981	21158-1059	GARLK	473238!
21158-0496	GARLK	473213!	21158-0701	GARLK	472213	21158-0862	GARLK	50327	21158-1060	GARLK	450084!
21158-0497	GARLK	473213!	21158-0702	GARLK	472213	21158-0871	GARLK	450068*	21158-1062	GARLK	450084!
21158-0498	GARLK	473213!	21158-0703	GARLK	472299*	21158-0874	GARLK	50075*=	21158-1063	GARLK	473239
21158-0499	GARLK	450503*=	21158-0704	GARLK	472299*	21158-0877	GARLK	50191*	21158-1065	GARLK	473239
21158-0505	GARLK	481834	21158-0706	GARLK	471821!	21158-0886	GARLK	50081*	21158-1066	GARLK	473457!*
21158-0507	GARLK	481834	21158-0707	GARLK	471821!	21158-0887	GARLK	50081*	21158-1069	GARLK	473240!*
21158-0511	GARLK	473435*	21158-0708	GARLK	471821!	21158-0895	GARLK	470086*	21158-1071	GARLK	473240!
21158-0514	GARLK	473436*	21158-0712	GARLK	473229	21158-0898	GARLK	471504!	21158-1075	GARLK	473458!*
21158-0517	GARLK	50168*	21158-0713	GARLK	473229	21158-0899	GARLK	471504!	21158-1076	GARLK	473458!
21158-0520	GARLK	450054*	21158-0714	GARLK	473229	21158-0900	GARLK	471504!	21158-1078	GARLK	472439*
21158-0535	GARLK	470774!	21158-0715	GARLK	470682*	21158-0904	GARLK	472164!	21158-1081	GARLK	471868*
21158-0536	GARLK	470774!	21158-0717	GARLK	470682	21158-0905	GARLK	472164*	21158-1084	GARLK	472572!
21158-0537	GARLK	470774!	21158-0718	GARLK	471316	21158-0906	GARLK	472164!	21158-1090	GARLK	414045!*
21158-0538	GARLK	472287!*	21158-0721	GARLK	473441*	21158-0907	GARLK	472185!	21158-1105	GARLK	473240!*

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
21158-1114	GARLK	472319	21158-1270	GARLK	416738!	21158-1441	GARLK	473471*	21158-1668	GARLK	416271!
21158-1116	GARLK	472319	21158-1270	GARLK	450096	21158-1444	GARLK	472020*	21158-1669	GARLK	412861
21158-1117	GARLK	473459	21158-1276	GARLK	450313	21158-1450	GARLK	470354*	21158-1671	GARLK	412861
21158-1119	GARLK	473459	21158-1278	GARLK	450313	21158-1459	GARLK	50631*	21158-1672	GARLK	410825
21158-1120	GARLK	473241	21158-1279	GARLK	450532	21158-1471	GARLK	471341!	21158-1675	GARLK	416071*
21158-1122	GARLK	473241	21158-1282	GARLK	451948*	21158-1473	GARLK	471341!	21158-1677	GARLK	416071
21158-1129	GARLK	472144!	21158-1285	GARLK	473466*	21158-1474	GARLK	471272!	21158-1678	GARLK	417480!
21158-1130	GARLK	472144!	21158-1288	GARLK	472012*	21158-1475	GARLK	471272!	21158-1679	GARLK	417480!
21158-1131	GARLK	472144!*	21158-1291	GARLK	450307*	21158-1476	GARLK	471272!	21158-1680	GARLK	417480!
21158-1132	GARLK	473460	21158-1294	GARLK	450311*	21158-1477	GARLK	473473*	21158-1687	GARLK	473475*
21158-1134	GARLK	473460	21158-1300	GARLK	416738!	21158-1479	GARLK	473473	21158-1693	GARLK	413246
21158-1135	GARLK	472394*	21158-1300	GARLK	450096	21158-1480	GARLK	471138!	21158-1696	GARLK	412119!
21158-1137	GARLK	472394	21158-1306	GARLK	450313*	21158-1481	GARLK	471138!	21158-1699	GARLK	413247!
21158-1138	GARLK	473461!*	21158-1309	GARLK	450532*	21158-1482	GARLK	471138!	21158-1705	GARLK	416271!*
21158-1139	GARLK	473461!*	21158-1312	GARLK	450343*	21158-1486	GARLK	410737!	21158-1714	GARLK	416071*
21158-1141	GARLK	471391!*	21158-1321	GARLK	470898	21158-1492	GARLK	472636!	21158-1723	GARLK	471887
21158-1142	GARLK	471391!*	21158-1322	GARLK	470898	21158-1493	GARLK	472636!	21158-1725	GARLK	471887
21158-1143	GARLK	471391!	21158-1323	GARLK	470898!	21158-1494	GARLK	472636!	21158-1735	GARLK	412040*
21158-1147	GARLK	473462	21158-1324	GARLK	473467	21158-1495	GARLK	411253!	21158-1737	GARLK	412040
21158-1148	GARLK	473462	21158-1326	GARLK	473467	21158-1496	GARLK	411253!	21158-1738	GARLK	411500*
21158-1149	GARLK	473462	21158-1327	GARLK	472015!	21158-1497	GARLK	411253!	21158-1740	GARLK	411500*
21158-1150	GARLK	450472!*	21158-1328	GARLK	472015!	21158-1498	GARLK	412920!	21158-1741	GARLK	413478*
21158-1153	GARLK	473241	21158-1329	GARLK	472015!	21158-1499	GARLK	412920!	21158-1742	GARLK	413478*
21158-1154	GARLK	473241*	21158-1330	GARLK	410308!	21158-1500	GARLK	412920!	21158-1743	GARLK	413478*
21158-1162	GARLK	450474*	21158-1331	GARLK	410308!	21158-1501	GARLK	455136*	21158-1744	GARLK	450104*
21158-1165	GARLK	50528*	21158-1332	GARLK	410308!	21158-1504	GARLK	411376!	21158-1745	GARLK	450104*
21158-1166	GARLK	50528*	21158-1333	GARLK	472016*	21158-1505	GARLK	411376!	21158-1746	GARLK	450104
21158-1167	GARLK	50528	21158-1334	GARLK	472016	21158-1506	GARLK	411376!	21158-1747	GARLK	411245!
21158-1171	GARLK	473461!*	21158-1335	GARLK	472016	21158-1507	GARLK	472299*	21158-1749	GARLK	411245!
21158-1174	GARLK	471391!*	21158-1339	GARLK	472409!	21158-1510	GARLK	471272!	21158-1750	GARLK	417073*
21158-1180	GARLK	473462	21158-1341	GARLK	472409!	21158-1522	GARLK	410737!	21158-1751	GARLK	417073*
21158-1186	GARLK	471870!	21158-1345	GARLK	473243	21158-1528	GARLK	470645*	21158-1752	GARLK	417073
21158-1187	GARLK	471870!	21158-1346	GARLK	473243	21158-1531	GARLK	411253!	21158-1771	GARLK	412040*
21158-1188	GARLK	471870!	21158-1347	GARLK	473243	21158-1534	GARLK	412920!	21158-1774	GARLK	50560*
21158-1189	GARLK	472492!	21158-1348	GARLK	413469!*	21158-1537	GARLK	455136*	21158-1775	GARLK	50560
21158-1190	GARLK	472492!	21158-1349	GARLK	413469!*	21158-1540	GARLK	411376!	21158-1780	GARLK	450104*
21158-1191	GARLK	472492!	21158-1350	GARLK	413469!*	21158-1546	GARLK	415234!*	21158-1783	GARLK	411245!
21158-1198	GARLK	472924!	21158-1357	GARLK	416267!*	21158-1549	GARLK	415259!*	21158-1801	GARLK	472029
21158-1199	GARLK	472924!	21158-1359	GARLK	416267!	21158-1561	GARLK	472150*	21158-1802	GARLK	472029*
21158-1200	GARLK	472924!	21158-1363	GARLK	473467	21158-1563	GARLK	472150	21158-1803	GARLK	472029*
21158-1201	GARLK	470530!	21158-1365	GARLK	473467	21158-1573	GARLK	411394!	21158-1806	GARLK	410752
21158-1203	GARLK	470530!	21158-1369	GARLK	410308!	21158-1575	GARLK	411394!	21158-1807	GARLK	471271!
21158-1204	GARLK	472397!	21158-1372	GARLK	472016*	21158-1576	GARLK	410694!*	21158-1808	GARLK	471271!
21158-1205	GARLK	472397!	21158-1378	GARLK	450621*	21158-1578	GARLK	410694!*	21158-1809	GARLK	471271!
21158-1206	GARLK	472397!	21158-1384	GARLK	450869*	21158-1579	GARLK	450133*	21158-1810	GARLK	410496!
21158-1207	GARLK	473463*	21158-1385	GARLK	450869*	21158-1581	GARLK	450133*	21158-1812	GARLK	410496!
21158-1209	GARLK	473463	21158-1396	GARLK	416267!*	21158-1585	GARLK	416444*	21158-1813	GARLK	470605!*
21158-1210	GARLK	473242*	21158-1398	GARLK	416267!	21158-1587	GARLK	416444	21158-1815	GARLK	470605!*
21158-1212	GARLK	473242	21158-1399	GARLK	473244	21158-1588	GARLK	455647=	21158-1819	GARLK	415449!
21158-1216	GARLK	473464!	21158-1400	GARLK	473244	21158-1594	GARLK	455321*	21158-1820	GARLK	415449!
21158-1216	GARLK	473464	21158-1401	GARLK	473244	21158-1596	GARLK	455321	21158-1821	GARLK	415449!
21158-1217	GARLK	473464!	21158-1402	GARLK	472018	21158-1600	GARLK	472150*	21158-1822	GARLK	415001!
21158-1217	GARLK	473464	21158-1403	GARLK	472018	21158-1602	GARLK	472150	21158-1823	GARLK	415001!
21158-1218	GARLK	473464	21158-1404	GARLK	472018*	21158-1612	GARLK	411394!	21158-1824	GARLK	415001!
21158-1218	GARLK	473464!	21158-1405	GARLK	473471*	21158-1633	GARLK	455321*	21158-1825	GARLK	416273!
21158-1222	GARLK	472924!	21158-1406	GARLK	473471	21158-1639	GARLK	473474*	21158-1826	GARLK	416273!
21158-1225	GARLK	470530!	21158-1407	GARLK	473471	21158-1641	GARLK	473474	21158-1827	GARLK	416273!
21158-1228	GARLK	472397!	21158-1408	GARLK	472020*	21158-1642	GARLK	470565!	21158-1828	GARLK	455079!*
21158-1231	GARLK	473463*	21158-1410	GARLK	472020*	21158-1644	GARLK	470565!	21158-1830	GARLK	455079!
21158-1240	GARLK	473464!	21158-1414	GARLK	470354*	21158-1648	GARLK	473475*	21158-1831	GARLK	415082*
21158-1240	GARLK	473464	21158-1415	GARLK	470354	21158-1650	GARLK	473475*	21158-1834	GARLK	455655!*
21158-1246	GARLK	412027*	21158-1416	GARLK	470354*	21158-1654	GARLK	413246	21158-1836	GARLK	455655!*
21158-1252	GARLK	451948	21158-1420	GARLK	473245!*	21158-1655	GARLK	413246	21158-1840	GARLK	471271!
21158-1253	GARLK	451948	21158-1422	GARLK	471504!	21158-1656	GARLK	413246	21158-1841	GARLK	471271!
21158-1254	GARLK	451948*	21158-1423	GARLK	412943*	21158-1657	GARLK	412119!	21158-1852	GARLK	415449!
21158-1255	GARLK	473466	21158-1425	GARLK	412943*	21158-1658	GARLK	412119!	21158-1855	GARLK	415001!
21158-1258	GARLK	472012	21158-1426	GARLK	413472	21158-1659	GARLK	412119!	21158-1857	GARLK	415001!
21158-1260	GARLK	472012	21158-1428	GARLK	413472	21158-1660	GARLK	413247!	21158-1858	GARLK	416273!
21158-1261	GARLK	450307*	21158-1432	GARLK	416268	21158-1661	GARLK	413247!	21158-1861	GARLK	455079!*
21158-1263	GARLK	450307	21158-1434	GARLK	416268	21158-1662	GARLK	413247!	21158-1882	GARLK	413479*
21158-1264	GARLK	450311*	21158-1435	GARLK	472234*	21158-1663	GARLK	410987!	21158-1885	GARLK	415302*
21158-1266	GARLK	450311	21158-1438	GARLK	472018*	21158-1666	GARLK	416271!*	21158-1886	GARLK	415302*

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
21158-1887	GARLK 415302	21158-2059	GARLK 417484!	21158-2995	GARLK 417258*	21158-4736	GARLK 55028*
21158-1888	GARLK 455311*	21158-2062	GARLK 415984!*	21158-3547	GARLK 415482	21158-4738	GARLK 417621!
21158-1890	GARLK 455311	21158-2065	GARLK 417316!	21158-3552	GARLK 415551*	21158-4740	GARLK 414045!*
21158-1891	GARLK 415988*	21158-2067	GARLK 417316!	21158-3863	GARLK 350435	21158-4745	GARLK 415991
21158-1892	GARLK 415988*	21158-2068	GARLK 415960!	21158-3869	GARLK 472705!	21158-4745	GARLK 455146!
21158-1893	GARLK 415988*	21158-2086	GARLK 455005*	21158-3871	GARLK 450342	21158-4752	GARLK 417512*
21158-1894	GARLK 417481*	21158-2088	GARLK 455005	21158-3872	GARLK 471747!	21158-4754	GARLK 471554!
21158-1896	GARLK 417481*	21158-2089	GARLK 417485*	21158-3873	GARLK 471747!	21158-4766	GARLK 473232
21158-1897	GARLK 455280*	21158-2090	GARLK 417485*	21158-3874	GARLK 471747!	21158-4766R1	GARLK 473232!
21158-1899	GARLK 455280	21158-2091	GARLK 417485*	21158-3876	GARLK 473425	21158-4768	GARLK 415482*
21158-1909	GARLK 411330!*	21158-2092	GARLK 475384*	21158-3879	GARLK 472536	21158-4771	GARLK 416892!
21158-1912	GARLK 415302*	21158-2093	GARLK 475384	21158-3880	GARLK 471344*	21158-4772	GARLK 416345!
21158-1915	GARLK 455311*	21158-2094	GARLK 475384*	21158-3883	GARLK 473442!*	21158-4772	GARLK 455033
21158-1918	GARLK 415988*	21158-2101	GARLK 455005*	21158-3885	GARLK 470088*	21158-4774	GARLK 550785*
21158-1921	GARLK 417481*	21158-2103	GARLK 455005	21158-3887	GARLK 471841	21158-4775	GARLK 417526*
21158-1924	GARLK 455280*	21158-2104	GARLK 417485*	21158-3889	GARLK 450965*	21158-4780	GARLK 416892!*
21158-1926	GARLK 455280*	21158-2115	GARLK 415303!*	21158-3902	GARLK 455080*	21158-4781	GARLK 471549!
21158-1927	GARLK 412871!	21158-2117	GARLK 415303!*	21158-3904	GARLK 472234*	21158-4783	GARLK 417541*
21158-1930	GARLK 412871!	21158-2118	GARLK 417344!	21158-3949	GARLK 455966	21158-4784	GARLK 415072*
21158-1932	GARLK 412871!	21158-2120	GARLK 417344!	21158-4484	GARLK 455396*	21158-4785	GARLK 415124*
21158-1933	GARLK 413248	21158-2121	GARLK 416404!*	21158-4560	GARLK 415294!	21158-4787	GARLK 476470
21158-1935	GARLK 413248	21158-2122	GARLK 416404!*	21158-4579	GARLK 470088	21158-4788	GARLK 415066*
21158-1936	GARLK 450412*	21158-2123	GARLK 416404!*	21158-4580	GARLK 415023	21158-4789	GARLK 415327*
21158-1939	GARLK 415483!	21158-2124	GARLK 416921!	21158-4584	GARLK 473197	21158-4790	GARLK 416288!*
21158-1941	GARLK 415483!	21158-2125	GARLK 416921!	21158-4586	GARLK 471570!	21158-4792	GARLK 471354!*
21158-1945	GARLK 415458!	21158-2126	GARLK 416921!	21158-4589	GARLK 450400*	21158-4800	GARLK 417020*
21158-1946	GARLK 415458!	21158-2127	GARLK 417134	21158-4590	GARLK 472164!	21158-4801	GARLK 415227!*
21158-1947	GARLK 415458!	21158-2128	GARLK 417134	21158-4592	GARLK 470898!	21158-4802	GARLK 450545
21158-1948	GARLK 417343!*	21158-2132	GARLK 417344!	21158-4593	GARLK 411330!*	21158-4803	GARLK 55532=
21158-1950	GARLK 417343!	21158-2135	GARLK 416404!*	21158-4600	GARLK 474256	21158-4804	GARLK 417487
21158-1951	GARLK 415007*	21158-2138	GARLK 416921!	21158-4603	GARLK 471231!	21158-4805	GARLK 55228* =
21158-1952	GARLK 415007*	21158-2146	GARLK 416956*	21158-4605	GARLK 471554!	21158-4806	GARLK 455129*
21158-1954	GARLK 417082*	21158-2147	GARLK 416956*	21158-4610	GARLK 415871*	21158-4808	GARLK 417247!*
21158-1955	GARLK 417082*	21158-2148	GARLK 416956	21158-4640	GARLK 415991	21158-4809	GARLK 415294!
21158-1956	GARLK 417082	21158-2149	GARLK 417159*	21158-4640	GARLK 455146!	21158-4825	GARLK 417254*
21158-1960	GARLK 413248	21158-2150	GARLK 417159*	21158-4645	GARLK 450143	21158-4828	GARLK 416865!*
21158-1966	GARLK 415483!	21158-2151	GARLK 417159*	21158-4646	GARLK 412119!	21158-4832	GARLK 415303!*
21158-1972	GARLK 415458!	21158-2152	GARLK 416654!	21158-4651	GARLK 415035	21158-4836	GARLK 417247!*
21158-1975	GARLK 417343!*	21158-2153	GARLK 416654!	21158-4651	GARLK 415035!	21158-4837	GARLK 415196!*
21158-1978	GARLK 415007*	21158-2154	GARLK 416654!	21158-4652	GARLK 416239!*	21158-4838	GARLK 413469!*
21158-1981	GARLK 417082*	21158-2155	GARLK 417486*	21158-4654	GARLK 417172*	21158-4838F1	GARLK 413469!
21158-1993	GARLK 455434*	21158-2157	GARLK 416956*	21158-4659	GARLK 473244	21158-4844	GARLK 415001!
21158-1994	GARLK 455434*	21158-2160	GARLK 417159*	21158-4665	GARLK 472636!	21158-4847	GARLK 471539!
21158-2002	GARLK 455151*	21158-2163	GARLK 416654!	21158-4667	GARLK 55548*	21158-4854	GARLK 415035
21158-2003	GARLK 455151*	21158-2166	GARLK 417486*	21158-4668	GARLK 417541*	21158-4855	GARLK 481537*
21158-2004	GARLK 455151	21158-2168	GARLK 417349*	21158-4669	GARLK 416892!*	21158-4861	GARLK 473226*
21158-2005	GARLK 455008*	21158-2169	GARLK 417349*	21158-4670	GARLK 472924!	21158-4862	GARLK 471870!
21158-2006	GARLK 455008*	21158-2170	GARLK 417349*	21158-4671	GARLK 471504!	21158-4865	GARLK 417254*
21158-2007	GARLK 455008*	21158-2171	GARLK 417350!	21158-4672	GARLK 472164!	21158-4871	GARLK 470954!*
21158-2014	GARLK 455434*	21158-2172	GARLK 417350!	21158-4677	GARLK 472560N!	21158-4872	GARLK 417597*
21158-2023	GARLK 455151*	21158-2173	GARLK 417350!	21158-4681	GARLK 415124*	21158-4873	GARLK 416888!
21158-2025	GARLK 455151	21158-2174	GARLK 415995!	21158-4682	GARLK 417351!	21158-4874	GARLK 55392* =
21158-2026	GARLK 455008*	21158-2175	GARLK 415995!	21158-4686	GARLK 417344!	21158-4876	GARLK 455406!*
21158-2028	GARLK 455008*	21158-2176	GARLK 415995!	21158-4687	GARLK 472184=	21158-4878	GARLK 417602!*
21158-2032	GARLK 480491*	21158-2189	GARLK 55548	21158-4688	GARLK 415645!	21158-4882	GARLK 417262!
21158-2034	GARLK 480491	21158-2190	GARLK 55548*	21158-4688	GARLK 455104	21158-4883	GARLK 417269!
21158-2035	GARLK 416664!	21158-2191	GARLK 55548*	21158-4691	GARLK 473475*	21158-4891	GARLK 471862*
21158-2036	GARLK 416664!	21158-2196	GARLK 455820*	21158-4693	GARLK 472144!*	21158-4897	GARLK 415025*
21158-2037	GARLK 416664!	21158-2197	GARLK 455820*	21158-4695	GARLK 416229*	21158-4899	GARLK 455536*
21158-2038	GARLK 417484!	21158-2223	GARLK 455020*	21158-4710	GARLK 455026*	21158-4900	GARLK 471391!*
21158-2039	GARLK 417484!	21158-2224	GARLK 455020*	21158-4712	GARLK 456105*	21158-4902	GARLK 417269!
21158-2040	GARLK 417484!	21158-2225	GARLK 417621!	21158-4717	GARLK 455019!*	21158-4904	GARLK 416556!
21158-2041	GARLK 415984!*	21158-2436	GARLK 415832*	21158-4718	GARLK 473212!*	21158-4904	GARLK 472157
21158-2043	GARLK 415984!*	21158-2437	GARLK 415832*	21158-4720	GARLK 416107!	21158-4907	GARLK 50026*
21158-2044	GARLK 417316!	21158-2451	GARLK 55646* =	21158-4720	GARLK 455073	21158-4908F1	GARLK 471529
21158-2045	GARLK 417316!	21158-2452	GARLK 55646* =	21158-4723	GARLK 417134	21158-4912	GARLK 415150!*
21158-2046	GARLK 417316!	21158-2510	GARLK 417366!*	21158-4727	GARLK 416865!*	21158-4914	GARLK 416271!*
21158-2047	GARLK 415960	21158-2513	GARLK 415958	21158-4729	GARLK 457874	21158-4916	GARLK 470898!
21158-2048	GARLK 415960	21158-2513	GARLK 415958!	21158-4732	GARLK 417196!*	21158-4924	GARLK 417597*
21158-2049	GARLK 415960	21158-2706	GARLK 417238	21158-4734	GARLK 415082*	21158-4925	GARLK 417606*
21158-2050	GARLK 416706!	21158-2707	GARLK 417238*	21158-4735	GARLK 411376!	21158-4928	GARLK 416154!*
21158-2052	GARLK 416706!	21158-2994	GARLK 417258	21158-4735F1	GARLK 411376!	21158-4929	GARLK 455462*

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
21158-4934	GARLK 415066*	21158-5914	GARLK 473010	21158-6431	GARLK 455022*	21158-6563	GARLK 415045!*
21158-4938	GARLK 412920!	21158-5920	GARLK 417567*	21158-6433	GARLK 416364!*	21158-6564	GARLK 415551*
21158-4938F1	GARLK 412920!	21158-5922	GARLK 417349*	21158-6434	GARLK 417357	21158-6565	GARLK 417357
21158-4945	GARLK 416738!	21158-5925	GARLK 417486*	21158-6434	GARLK 455192!	21158-6565	GARLK 455192!
21158-4945	GARLK 450096	21158-5929	GARLK 415551*	21158-6437	GARLK 416239!*	21158-6568	GARLK 415035
21158-4958	GARLK 411394!	21158-5930	GARLK 417211!*	21158-6438	GARLK 472397!	21158-6568	GARLK 415035!
21158-4959	GARLK 416268	21158-5933	GARLK 55301S*	21158-6438R1	GARLK 472397!	21158-6573	GARLK 415090*
21158-4965	GARLK 451031=	21158-5937	GARLK 482310	21158-6439	GARLK 417350!	21158-6576	GARLK 470774!
21158-4966	GARLK 417247!*	21158-5938	GARLK 415371*	21158-6440	GARLK 471272!	21158-6578	GARLK 415449!
21158-4967	GARLK 417549!*	21158-5945	GARLK 417278*	21158-6444	GARLK 416654!	21158-6581	GARLK 417603!*
21158-4968	GARLK 416144*	21158-5947	GARLK 411253!	21158-6446	GARLK 412473!	21158-6584	GARLK 476470
21158-4976	GARLK 472843*	21158-5948	GARLK 415984!*	21158-6450	GARLK 471619!	21158-6585	GARLK 455655!*
21158-4982	GARLK 417547*	21158-5953	GARLK 417357	21158-6451	GARLK 417488!*	21158-6586	GARLK 415090*
21158-4987	GARLK 415458!	21158-5953	GARLK 455192!	21158-6456	GARLK 415449!	21158-6588	GARLK 416654!
21158-4988	GARLK 470774!	21158-5957	GARLK 471413!*	21158-6459F1	GARLK 470565!	21158-6588R1	GARLK 416654!
21158-4991	GARLK 455480!*	21158-5959	GARLK 415090*	21158-6461	GARLK 456105*	21158-6590	GARLK 416332!
21158-4992	GARLK 473237!*	21158-5960	GARLK 417606*	21158-6462	GARLK 473225!*	21158-6592	GARLK 473450
21158-4998	GARLK 417486*	21158-5966	GARLK 472179	21158-6465	GARLK 415449!	21158-6593	GARLK 472015!
21158-5002	GARLK 415683*	21158-5968	GARLK 473474	21158-6465R1	GARLK 415449!	21158-6599	GARLK 416921!
21158-5005	GARLK 472179	21158-5969	GARLK 455509	21158-6466	GARLK 471763*	21158-6600	GARLK 416345!
21158-5007	GARLK 472287!*	21158-5978	GARLK 473380*	21158-6467	GARLK 417316!	21158-6600	GARLK 455033
21158-5008	GARLK 415437!	21158-5980	GARLK 412119!	21158-6468	GARLK 416071*	21158-6602	GARLK 457874*
21158-5008	GARLK 415437	21158-5981	GARLK 55078S*	21158-6469	GARLK 472394*	21158-6603	GARLK 415725!*
21158-5025	GARLK 416288!*	21158-5983	GARLK 415036*	21158-6469R1	GARLK 472394	21158-6604	GARLK 472015!
21158-5028	GARLK 455476*	21158-6028F1	GARLK 472185!	21158-6470	GARLK 471689!	21158-6605	GARLK 473243*
21158-5030	GARLK 415023	21158-6062	GARLK 472810!	21158-6470F1	GARLK 471689!*	21158-6608	GARLK 471870!
21158-5031	GARLK 415072*	21158-6099	GARLK 481397*	21158-6471	GARLK 417316!	21158-6610	GARLK 473228
21158-5041	GARLK 471538!*	21158-6127	GARLK 471231!	21158-6474	GARLK 470682*	21158-6616	GARLK 455476*
21158-5041F1	GARLK 471538!	21158-6141F1	GARLK 473244!	21158-6475	GARLK 471835!	21158-6630	GARLK 55367*=
21158-5043	GARLK 415371*	21158-6192	GARLK 470806*	21158-6478	GARLK 471272!	21158-6632	GARLK 455151
21158-5049	GARLK 415034!	21158-6224	GARLK 480630!	21158-6479R1	GARLK 471192	21158-6634	GARLK 415116*
21158-5050	GARLK 350364*	21158-6230	GARLK 473231	21158-6484	GARLK 416666*	21158-6635	GARLK 415742*
21158-5051	GARLK 417539!*	21158-6231	GARLK 473231	21158-6487	GARLK 471887*	21158-6638	GARLK 473240!*
21158-5053	GARLK 473242*	21158-6245	GARLK 450400*	21158-6489	GARLK 476470	21158-6639	GARLK 473197
21158-5059	GARLK 417351!	21158-6252	GARLK 472164!	21158-6497	GARLK 417487	21158-6640	GARLK 415725!*
21158-5060	GARLK 455336*	21158-6266	GARLK 417474*	21158-6499	GARLK 417487	21158-6644	GARLK 457874
21158-5061	GARLK 415483!	21158-6271	GARLK 470625!*	21158-6500	GARLK 471267!*	21158-6645	GARLK 415991
21158-5063	GARLK 55028*	21158-6272	GARLK 472492!	21158-6502	GARLK 416288!*	21158-6645	GARLK 455146!
21158-5066	GARLK 415045!*	21158-6289	GARLK 471498*	21158-6506	GARLK 471271!	21158-6651	GARLK 417343!*
21158-5078	GARLK 472397!*	21158-6300	GARLK 476514	21158-6506F1	GARLK 471271!	21158-6652	GARLK 417496*
21158-5079	GARLK 416339	21158-6328	GARLK 417621!	21158-6510	GARLK 417600*	21158-6654	GARLK 472138
21158-5079	GARLK 455031!	21158-6333	GARLK 455330!*	21158-6511	GARLK 415088!	21158-6658	GARLK 471276*
21158-5082	GARLK 450124=	21158-6335	GARLK 455583N!*	21158-6511	GARLK 415088	21158-6664	GARLK 415379
21158-5208F1	GARLK 417211!	21158-6340	GARLK 417600*	21158-6513	GARLK 416167!	21158-6664	GARLK 415379!
21158-5256F1	GARLK 472179	21158-6353	GARLK 473405*	21158-6515	GARLK 455434*	21158-6665	GARLK 417541*
21158-5268F1	GARLK 473440!	21158-6356	GARLK 476470*	21158-6516	GARLK 473231	21158-6667R1	GARLK 470380!
21158-5283F1	GARLK 472492!	21158-6358	GARLK 415991	21158-6517	GARLK 471808!*	21158-6668	GARLK 413478*
21158-5295	GARLK 471744!	21158-6358	GARLK 455146!	21158-6521	GARLK 455462*	21158-6670	GARLK 415294!
21158-5387F1	GARLK 415449!	21158-6359	GARLK 416332!	21158-6522	GARLK 471984*	21158-6675R1	GARLK 471801!
21158-5387R1	GARLK 415449!	21158-6360	GARLK 415035	21158-6522R1	GARLK 471984	21158-6678	GARLK 417082*
21158-5393	GARLK 473367!	21158-6360	GARLK 415035!	21158-6523	GARLK 471267!*	21158-6679	GARLK 417191
21158-5393	GARLK 473367	21158-6361	GARLK 415196!*	21158-6523F1	GARLK 471267!	21158-6679	GARLK 456585
21158-5394F1	GARLK 471785!	21158-6363	GARLK 416888!	21158-6524F1	GARLK 471649!	21158-6680	GARLK 416921!
21158-5398	GARLK 412871!	21158-6365	GARLK 415725!*	21158-6528	GARLK 418028	21158-6680F1	GARLK 416921!
21158-5496	GARLK 473439!	21158-6366	GARLK 417549!*	21158-6528	GARLK 455137!	21158-6682	GARLK 472636!
21158-5501	GARLK 450523	21158-6369	GARLK 417515*	21158-6529	GARLK 473224!*	21158-6687	GARLK 415077*
21158-5560	GARLK 411253!	21158-6370	GARLK 416229*	21158-6530	GARLK 415072*	21158-6692	GARLK 417355!*
21158-5581	GARLK 415458!	21158-6374	GARLK 416364!*	21158-6534	GARLK 415991	21158-67	GARLK 471281!
21158-5656	GARLK 473426	21158-6375	GARLK 416239!*	21158-6534	GARLK 455146!	21158-6700	GARLK 415302*
21158-5657F1	GARLK 471466!	21158-6378	GARLK 415867*	21158-6541	GARLK 411245!	21158-6700F1	GARLK 415302
21158-5688	GARLK 470898=	21158-6385	GARLK 417603!	21158-6545	GARLK 415711*	21158-6701	GARLK 473214
21158-5704	GARLK 471737	21158-6387	GARLK 55301S*	21158-6546	GARLK 472439*	21158-6705	GARLK 471821!
21158-5886	GARLK 455008*	21158-6389	GARLK 55222* =	21158-6547	GARLK 473237!*	21158-6706	GARLK 473464!
21158-5887	GARLK 473446*	21158-6390	GARLK 55239* =	21158-6548	GARLK 473243*	21158-6706	GARLK 473464
21158-5892	GARLK 416888!	21158-6391	GARLK 417605*	21158-6549	GARLK 473405*	21158-6707	GARLK 417554!*
21158-5893	GARLK 472810!	21158-6395	GARLK 415482*	21158-6550	GARLK 417605*	21158-6708	GARLK 476470
21158-5897	GARLK 455080*	21158-6411	GARLK 471413*	21158-6551	GARLK 473228	21158-6711	GARLK 415725!*
21158-5900	GARLK 473466*	21158-6413	GARLK 417247!*	21158-6551R1	GARLK 473228!	21158-6713	GARLK 417601*
21158-5906	GARLK 417020*	21158-6414	GARLK 473460*	21158-6554	GARLK 473236!*	21158-6714	GARLK 415988*
21158-5907	GARLK 416404!*	21158-6415	GARLK 471554!	21158-6556	GARLK 417357	21158-6716	GARLK 416664!
21158-5912	GARLK 417548*	21158-6418	GARLK 415295*	21158-6556	GARLK 455192!	21158-6722	GARLK 417601*
21158-5913	GARLK 472018*	21158-6422	GARLK 417598*	21158-6560	GARLK 412040*	21158-6723	GARLK 417488!*

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial
21158-6730	GARLK	417344!	21158-6901	GARLK	416332!	21158-7152	GARLK	473367	21158-7314	GARLK	55199 * =
21158-6730R1	GARLK	417344!	21158-6904	GARLK	472397!	21158-7152F1	GARLK	473367	21158-7317	GARLK	417562 *
21158-6732	GARLK	471760 *	21158-6904F1	GARLK	472397!	21158-7153	GARLK	417350!	21158-7318	GARLK	455406! *
21158-6733	GARLK	330385!	21158-6907	GARLK	415027 *	21158-7154	GARLK	415036 *	21158-7320	GARLK	471424! *
21158-6734	GARLK	416154! *	21158-6914	GARLK	416476!	21158-7155	GARLK	415072 *	21158-7324	GARLK	415027 *
21158-6739	GARLK	417621!	21158-6917	GARLK	417525 *	21158-7159	GARLK	455005 *	21158-7327	GARLK	471887 *
21158-6741	GARLK	417254 *	21158-6920	GARLK	415294!	21158-7160	GARLK	472016 *	21158-7328	GARLK	415995!
21158-6741F1	GARLK	417254	21158-6921	GARLK	455462 *	21158-7162	GARLK	415351! *	21158-7328F1	GARLK	415995!
21158-6744F1	GARLK	471981	21158-6923	GARLK	415711 *	21158-7164	GARLK	473455!	21158-7332	GARLK	415027 *
21158-6745	GARLK	471766!	21158-6924	GARLK	416666 *	21158-7165	GARLK	416891! *	21158-7334	GARLK	455144 *
21158-6745R1	GARLK	471766!	21158-6927	GARLK	471554!	21158-7174	GARLK	472018 *	21158-7341F1	GARLK	472475
21158-6746	GARLK	415683!	21158-6927F1	GARLK	471554!	21158-7177	GARLK	416706!	21158-7342	GARLK	415645!
21158-6750	GARLK	415645!	21158-6931	GARLK	55441 *	21158-7178	GARLK	55199 * =	21158-7342	GARLK	455104
21158-6750	GARLK	455104	21158-6934	GARLK	473235! *	21158-7186	GARLK	471760 *	21158-7346	GARLK	451948 *
21158-6753	GARLK	474265	21158-6937	GARLK	470625!	21158-7187	GARLK	415483!	21158-7347	GARLK	415027
21158-6755F1	GARLK	471224!	21158-6937R1	GARLK	470625!	21158-7192	GARLK	415379	21158-7347	GARLK	415027!
21158-6757	GARLK	411376!	21158-6938	GARLK	417269!	21158-7192	GARLK	415379!	21158-7348	GARLK	417535 *
21158-6760	GARLK	417603! *	21158-6939	GARLK	417541 *	21158-7194	GARLK	412473!	21158-7349	GARLK	475384 *
21158-6762	GARLK	417134 *	21158-6946	GARLK	417539! *	21158-7196	GARLK	415960!	21158-7350	GARLK	415991
21158-6764	GARLK	455015 *	21158-6947	GARLK	416364! *	21158-7197	GARLK	415995!	21158-7350	GARLK	455146!
21158-6765	GARLK	417278 *	21158-6949	GARLK	415138! *	21158-7197T2	GARLK	415995!	21158-7353	GARLK	417601 *
21158-6767	GARLK	415035	21158-6950	GARLK	450869 *	21158-7197T2	GARLK	415995!	21158-7357	GARLK	412473!
21158-6768	GARLK	417020	21158-6952	GARLK	417362! *	21158-7198	GARLK	482089 *	21158-7364	GARLK	455019! *
21158-6770	GARLK	417604	21158-6955	GARLK	471141!	21158-7199	GARLK	417487	21158-7366	GARLK	417550 *
21158-6773	GARLK	415551 *	21158-6957	GARLK	470354 *	21158-7205	GARLK	416153!	21158-7368	GARLK	455480! *
21158-6774	GARLK	473214	21158-6959	GARLK	455476 *	21158-7206	GARLK	415711 *	21158-7370F1	GARLK	472164!
21158-6774R1	GARLK	473214!	21158-6961	GARLK	474264	21158-7210	GARLK	455151 *	21158-7371	GARLK	415551 *
21158-6794	GARLK	473367!	21158-6966	GARLK	455655!	21158-7215R1	GARLK	471689!	21158-7372	GARLK	471808! *
21158-6794	GARLK	473367	21158-6968	GARLK	415021 *	21158-7220	GARLK	455191 *	21158-7372F1	GARLK	471808!
21158-6795	GARLK	471341!	21158-6971	GARLK	471558 *	21158-7221	GARLK	416313 *	21158-7374	GARLK	476470
21158-6796	GARLK	417362! *	21158-6975	GARLK	9568 *	21158-7223	GARLK	472319	21158-7375	GARLK	417596 *
21158-6797	GARLK	455330! *	21158-6978	GARLK	415196! *	21158-7224	GARLK	415001!	21158-7382	GARLK	411253!
21158-6798	GARLK	415559 *	21158-6981	GARLK	455194 *	21158-7226	GARLK	474264	21158-7386	GARLK	472258! *
21158-6799	GARLK	415035	21158-6982	GARLK	416345!	21158-7229	GARLK	455189 *	21158-7389	GARLK	415379
21158-68	GARLK	471281!	21158-6982	GARLK	455033	21158-7230	GARLK	415437	21158-7389	GARLK	415379
21158-6800	GARLK	417082 *	21158-6984	GARLK	471564 *	21158-7230	GARLK	415437!	21158-7390	GARLK	471766!
21158-6802	GARLK	455480! *	21158-6990	GARLK	415035	21158-7231	GARLK	417354! *	21158-7390F1	GARLK	471766!
21158-6806	GARLK	416339	21158-6991	GARLK	416125! *	21158-7233	GARLK	415551 *	21158-7402	GARLK	415088!
21158-6806	GARLK	455031!	21158-6992	GARLK	476838!	21158-7238	GARLK	450104 *	21158-7402	GARLK	415088
21158-6832	GARLK	472179	21158-6993F1	GARLK	471765!	21158-7241	GARLK	455406! *	21158-7409	GARLK	416107!
21158-6832R1	GARLK	472179	21158-6995	GARLK	471138! *	21158-7245	GARLK	415371 *	21158-7409	GARLK	455073
21158-6833	GARLK	417606 *	21158-70	GARLK	471535!	21158-7247	GARLK	417562 *	21158-7418	GARLK	415683 *
21158-6835	GARLK	417509 *	21158-7007	GARLK	472810!	21158-7248	GARLK	473459	21158-7419	GARLK	476470
21158-6838	GARLK	9568 *	21158-7039	GARLK	471539!	21158-7249	GARLK	415960!	21158-7420	GARLK	472029 *
21158-6839	GARLK	476470 *	21158-7060	GARLK	474256	21158-7253	GARLK	415027	21158-7423	GARLK	6936S
21158-6840	GARLK	417506 *	21158-7069	GARLK	470774!	21158-7253	GARLK	415027!	21158-7433	GARLK	415072 *
21158-6842	GARLK	417020 *	21158-7072	GARLK	474264	21158-7254	GARLK	473234	21158-7435	GARLK	472020 *
21158-6844	GARLK	455397 *	21158-7081	GARLK	473237! *	21158-7254F1	GARLK	473234!	21158-7436	GARLK	415327 *
21158-6847	GARLK	417526 *	21158-7090	GARLK	471271!	21158-7255	GARLK	417351!	21158-7439	GARLK	55199 * =
21158-6853	GARLK	472394 *	21158-7091	GARLK	415082 *	21158-7258	GARLK	416892! *	21158-7440	GARLK	415379
21158-6857	GARLK	471692!	21158-7099	GARLK	472924!	21158-7259	GARLK	450133 *	21158-7440	GARLK	415379
21158-6858	GARLK	55141 *	21158-7099F1	GARLK	472924! *	21158-7264	GARLK	473446 *	21158-7448	GARLK	415036 *
21158-6860	GARLK	473010	21158-7101	GARLK	417604	21158-7265	GARLK	417362! *	21158-7510	GARLK	472311!
21158-6860R1	GARLK	473010!	21158-7104	GARLK	415458!	21158-7269	GARLK	415437	21158-7516	GARLK	474278!
21158-6860T2	GARLK	473010!	21158-7110	GARLK	416888!	21158-7269	GARLK	415437!	21158-7518	GARLK	471766!
21158-6864	GARLK	417073 *	21158-7114	GARLK	415551 *	21158-7270	GARLK	417181! *	21158-7523	GARLK	471862 *
21158-6865	GARLK	417481 *	21158-7115	GARLK	415991	21158-7272	GARLK	472492!	21158-7542	GARLK	417349 *
21158-6866	GARLK	412871!	21158-7115	GARLK	455146!	21158-7276	GARLK	416077 *	21158-7542F1	GARLK	417349!
21158-6868	GARLK	417351!	21158-7120	GARLK	417366! *	21158-7277	GARLK	417474	21158-7544	GARLK	415437
21158-6870	GARLK	455134! *	21158-7121	GARLK	473437 *	21158-7280	GARLK	471821!	21158-7544	GARLK	415437!
21158-6871	GARLK	417515 *	21158-7125	GARLK	473231	21158-7282	GARLK	416339	21158-7549	GARLK	413246
21158-6872	GARLK	417362! *	21158-7126	GARLK	470596 *	21158-7282	GARLK	455031!	21158-7551	GARLK	415088!
21158-6888	GARLK	417584 *	21158-7128	GARLK	416666 *	21158-7284	GARLK	417539! *	21158-7551	GARLK	415088
21158-6892	GARLK	416239! *	21158-7130	GARLK	471316	21158-7285	GARLK	411245!	21158-7554	GARLK	415683 *
21158-6893	GARLK	416865! *	21158-7134	GARLK	416154! *	21158-7289	GARLK	417191	21158-7555	GARLK	471984 *
21158-6895	GARLK	455406! *	21158-7140	GARLK	472029 *	21158-7289	GARLK	456585	21158-7555F1	GARLK	471984
21158-6896	GARLK	481073 *	21158-7141	GARLK	416556!	21158-7291	GARLK	416891! *	21158-7559	GARLK	417356!
21158-6898	GARLK	470565! *	21158-7141	GARLK	472157	21158-7292	GARLK	417316!	21158-7559	GARLK	455188
21158-6898R1	GARLK	470565!	21158-7145	GARLK	472012 *	21158-7299	GARLK	471529 *	21158-7560	GARLK	416154! *
21158-6899	GARLK	473229	21158-7145F1	GARLK	472012	21158-7307	GARLK	472164!	21158-7561	GARLK	417602! *
21158-69	GARLK	471535! *	21158-7146	GARLK	350435 *	21158-7313	GARLK	418028	21158-7562	GARLK	415219 *
21158-6900	GARLK	417316!	21158-7152	GARLK	473367!	21158-7313	GARLK	455137!	21158-7563	GARLK	472492!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
21158-7564	GARLK 471271!	21158-7796	GARLK 455584*	21158-8233	GARLK 476470*	21158-8596	GARLK 455584*
21158-7566	GARLK 416865!*	21158-78	GARLK 471532	21158-8238	GARLK 417606*	21158-8608	GARLK 455022*
21158-7567F1	GARLK 471192	21158-7803	GARLK 415196!*	21158-8243	GARLK 415072*	21158-8628	GARLK 417542*
21158-7568	GARLK 470625!	21158-7812	GARLK 416345!	21158-8245	GARLK 417487	21158-8629	GARLK 417539!*
21158-7568F1	GARLK 470625!*	21158-7812	GARLK 455033	21158-8248	GARLK 470950!	21158-8631	GARLK 416167!
21158-7572	GARLK 417316!	21158-7814	GARLK 415035	21158-8248	GARLK 6241S	21158-8633	GARLK 416154!*
21158-7574	GARLK 415303!*	21158-7819	GARLK 416167!	21158-8251	GARLK 417596*	21158-8635	GARLK 455197N*
21158-7578	GARLK 416153!	21158-7824	GARLK 415090*	21158-8252	GARLK 415294!	21158-8636	GARLK 415196!*
21158-7590	GARLK 472157!	21158-7825	GARLK 417597*	21158-8262	GARLK 415124*	21158-8638	GARLK 417205!*
21158-7590	GARLK 472157	21158-7829	GARLK 416664!	21158-8265	GARLK 481792*	21158-8640	GARLK 415984!*
21158-7594	GARLK 416271!*	21158-7829F1	GARLK 416664!	21158-8266	GARLK 473444	21158-8643	GARLK 472572!
21158-7603	GARLK 416476!	21158-7837	GARLK 417513*	21158-8270	GARLK 410308!	21158-8646	GARLK 450068*
21158-7610	GARLK 417549!*	21158-7839	GARLK 417252*	21158-8274	GARLK 473239	21158-8652	GARLK 50254* =
21158-7611	GARLK 417198*	21158-7840	GARLK 55357*	21158-8278	GARLK 416153!	21158-8657	GARLK 417262!
21158-7612	GARLK 415072*	21158-7842	GARLK 472020*	21158-8280	GARLK 415379	21158-8662	GARLK 417020*
21158-7615	GARLK 415027!	21158-7846	GARLK 482089*	21158-8280	GARLK 415379!	21158-8663	GARLK 417541*
21158-7615	GARLK 415027	21158-7861	GARLK 415196!*	21158-8284	GARLK 474256	21158-8665	GARLK 417603!*
21158-7616	GARLK 416332!	21158-7864	GARLK 450285*	21158-8292	GARLK 473458!*	21158-8668	GARLK 455685*
21158-7626	GARLK 417549!*	21158-7873	GARLK 473231	21158-8293	GARLK 473238!*	21158-8676	GARLK 417159
21158-7629	GARLK 417562*	21158-7877	GARLK 415066*	21158-8300	GARLK 415327*	21158-8678	GARLK 417366!*
21158-7633	GARLK 471887*	21158-7879	GARLK 417780*	21158-8306	GARLK 416107!	21158-8679	GARLK 455151*
21158-7633F1	GARLK 471887	21158-7880	GARLK 416556!	21158-8306	GARLK 455073	21158-8680	GARLK 415227!*
21158-7642	GARLK 416294!*	21158-7880	GARLK 472157	21158-8309	GARLK 417538*	21158-8681	GARLK 417501*
21158-7646	GARLK 473454	21158-79	GARLK 473405*	21158-8310	GARLK 417539!*	21158-8682	GARLK 470645*
21158-7649	GARLK 472018*	21158-7907	GARLK 470950!	21158-8311	GARLK 415437	21158-8683	GARLK 417511*
21158-7652	GARLK 417541*	21158-7907	GARLK 6241S	21158-8311	GARLK 415437!	21158-8696	GARLK 417485*
21158-7653	GARLK 415076*	21158-7909	GARLK 417602!*	21158-8312F1	GARLK 471750!	21158-8697	GARLK 417509*
21158-7659	GARLK 415034!	21158-7915	GARLK 471835!	21158-8328	GARLK 455197N*	21158-8698	GARLK 455297*
21158-7668	GARLK 417316!	21158-7922	GARLK 55223* =	21158-8330	GARLK 416154!*	21158-87	GARLK 471466!
21158-7669	GARLK 417298*	21158-7934	GARLK 55469*	21158-8331	GARLK 417258*	21158-8700	GARLK 418028
21158-7670	GARLK 476470	21158-7937	GARLK 2081	21158-8353	GARLK 476535	21158-8700	GARLK 455137!
21158-7671	GARLK 415259!*	21158-7941	GARLK 455509*	21158-8384	GARLK 415867*	21158-8704	GARLK 470625!
21158-7677	GARLK 472319*	21158-7993	GARLK 417273*	21158-8396	GARLK 415937!*	21158-8705	GARLK 480281!
21158-7684	GARLK 473234	21158-80	GARLK 473405	21158-8400	GARLK 415142*	21158-8708	GARLK 417780*
21158-7685	GARLK 415938*	21158-8063	GARLK 350974!	21158-8401	GARLK 473454	21158-8712	GARLK 415645!
21158-7686	GARLK 415041*	21158-8067	GARLK 472644	21158-8404	GARLK 413469!*	21158-8712	GARLK 455104
21158-7687	GARLK 481792	21158-8074	GARLK 471827!*	21158-8409	GARLK 471633!*	21158-8724	GARLK 473463*
21158-7689	GARLK 416158*	21158-8081	GARLK 450819*	21158-8410	GARLK 417512*	21158-8726	GARLK 417349*
21158-7690	GARLK 415187*	21158-81	GARLK 471558	21158-8416	GARLK 410737!	21158-8728	GARLK 470605!*
21158-7695	GARLK 474281!	21158-8102	GARLK 455556*	21158-8417	GARLK 455584*	21158-8731	GARLK 417356!
21158-77	GARLK 471532*	21158-8104	GARLK 472299*	21158-8419	GARLK 415138!*	21158-8731	GARLK 455188
21158-7700	GARLK 413246	21158-8111	GARLK 417196!*	21158-8423	GARLK 415072*	21158-8732	GARLK 473239
21158-7717	GARLK 417171!*	21158-8112	GARLK 417511	21158-8430	GARLK 456105*	21158-8734	GARLK 471820*
21158-7722	GARLK 472157	21158-8117	GARLK 415023	21158-8437	GARLK 55301S*	21158-8736	GARLK 415072*
21158-7722	GARLK 472157!	21158-8120	GARLK 415371*	21158-8442	GARLK 417252*	21158-8738	GARLK 470565!*
21158-7723	GARLK 472636!	21158-8127	GARLK 416891!*	21158-8443	GARLK 416229*	21158-8744	GARLK 417357
21158-7745	GARLK 417556*	21158-8128	GARLK 417355!*	21158-8460	GARLK 416891!*	21158-8744	GARLK 455192!
21158-7746	GARLK 450908 =	21158-8129	GARLK 470774!	21158-8462	GARLK 415090*	21158-8745	GARLK 416891!*
21158-7747	GARLK 417484!	21158-8131	GARLK 450285*	21158-8466	GARLK 417509*	21158-8747	GARLK 415867*
21158-7749	GARLK 417534*	21158-8140	GARLK 455462*	21158-8469	GARLK 415871*	21158-8752	GARLK 417362!*
21158-7752	GARLK 417160*	21158-8151	GARLK 415991	21158-8470	GARLK 417159*	21158-8755	GARLK 55223* =
21158-7758	GARLK 417601*	21158-8151	GARLK 455146!	21158-8471	GARLK 417556*	21158-8756	GARLK 417020*
21158-7759	GARLK 457874	21158-8153	GARLK 415458!	21158-8477	GARLK 455026*	21158-8757	GARLK 417494*
21158-7764	GARLK 416273!	21158-8154	GARLK 416404!*	21158-8488	GARLK 455566*	21158-8758	GARLK 417020*
21158-7765	GARLK 418028	21158-8156	GARLK 417171!*	21158-8494	GARLK 415482*	21158-8775	GARLK 417298*
21158-7765	GARLK 455137!	21158-8161	GARLK 415045!*	21158-8498	GARLK 471341!	21158-8778	GARLK 416163*
21158-7767	GARLK 471829	21158-8165	GARLK 415066*	21158-8521	GARLK 412040*	21158-8780	GARLK 415991
21158-7768	GARLK 450307*	21158-8169	GARLK 457874*	21158-8529	GARLK 417597*	21158-8780	GARLK 455146!
21158-7772	GARLK 455820*	21158-8173	GARLK 416077*	21158-8530	GARLK 416664!	21158-8787	GARLK 415259!*
21158-7774	GARLK 415227!*	21158-8187	GARLK 472475*	21158-8551	GARLK 416149*	21158-8790	GARLK 473441*
21158-7775	GARLK 455556*	21158-8187R1	GARLK 472475	21158-8556	GARLK 417507*	21158-8797	GARLK 413247!
21158-7776	GARLK 415458!	21158-8188	GARLK 455019!*	21158-8560	GARLK 417604*	21158-8819	GARLK 455406!*
21158-7776F1	GARLK 415458!	21158-8192	GARLK 417273*	21158-8566	GARLK 455576!*	21158-8824	GARLK 417254*
21158-7780	GARLK 415128*	21158-82	GARLK 471558*	21158-8569	GARLK 471818*	21158-8825	GARLK 416891!*
21158-7783	GARLK 417604*	21158-8205	GARLK 417596	21158-8570	GARLK 415263*	21158-8828	GARLK 455462*
21158-7784	GARLK 417181!*	21158-8208	GARLK 417513*	21158-8571	GARLK 413248	21158-8830	GARLK 415559*
21158-7785	GARLK 455123*	21158-8213	GARLK 472636!	21158-8572	GARLK 472029*	21158-8833	GARLK 416664!
21158-7786	GARLK 455123*	21158-8214	GARLK 455820*	21158-8573	GARLK 415001!	21158-8836	GARLK 417171!*
21158-7787	GARLK 417351!	21158-8222	GARLK 417621!	21158-8579	GARLK 417601*	21158-8845	GARLK 417541*
21158-7791	GARLK 416339	21158-8224	GARLK 455191*	21158-8585	GARLK 415072*	21158-8846	GARLK 417547*
21158-7791	GARLK 455031!	21158-8231	GARLK 417191	21158-8591	GARLK 415871*	21158-8847	GARLK 417497*
21158-7795	GARLK 417247!*	21158-8231	GARLK 456585	21158-8592	GARLK 417211!*	21158-8848	GARLK 410987!*

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
21158-8856	GARLK	417537*	211580485	GARLK	472826!	21162	C-R	472015!	2117549	ITM	1953
21158-8864	GARLK	418028	211580541	GARLK	471192	2116201	ITM	224520	2117549	ITM	42X60X7!
21158-8864	GARLK	455137!	211580542	GARLK	471192	2116201	ITM	45X60X10!	2117555	ITM	225420
21158-8868	GARLK	417605*	211580543	GARLK	471192	2116205	ITM	1994	2117555	ITM	54X72X10!
21158-8870	GARLK	415683*	211580646	GARLK	470059	2116205	ITM	48X70X9!	2117560	ITM	224820
21158-8875	GARLK	50327*	211580646	GARLK	470380!	2116213	ITM	223542	2117560	ITM	48X62X8!
21158-8881	GARLK	416556!	211580647	GARLK	470059	2116213	ITM	35X55X11!	2117561	ITM	223605
21158-8881	GARLK	472157	211580647	GARLK	470380!	2116247	ITM	1174	2117561	ITM	36X50X7!
21158-8886	GARLK	470596*	211580648	GARLK	470059	2116247	ITM	38X52X8.5!	2117591	ITM	225110
21158-8887	GARLK	471413	211580648	GARLK	470380!	2116298	ITM	224270	2117591	ITM	51X65X7!
21158-8903	GARLK	471791	211580661	GARLK	470487!	2116298	ITM	42X72X10!	2117594	ITM	224255
21158-8903	GARLK	456585	211580778	GARLK	474274	21163	C-R	472015!	2117594	ITM	42X65X10!
21158-8904	GARLK	416107!	211580780	GARLK	474274	21163	CONTI	471103!	2117614	ITM	225230
21158-8904	GARLK	455073	211584483	GARLK	415442!	2116304	ITM	1012	2117614	ITM	52X72X8!
21158-8907	GARLK	415045!*	211584483	GARLK	55442	2116304	ITM	1012N	2117623	ITM	224252
21158-8912	GARLK	417542*	211584662	GARLK	470506!	2116304	ITM	45X62X8!	2117623	ITM	42X62X8!
21158-8917	GARLK	415090*	211584704	GARLK	471785!	2116327	ITM	227040	2117625	ITM	224252
21158-9009	GARLK	471688*	211584842	GARLK	471472!	2116327	ITM	70X90X10!	2117625	ITM	42X62X8!
21158-9013	GARLK	352541*	2115850	GARLK	471442!	2116366	ITM	224015	2117748	ITM	224520
21158-9093F1	GARLK	470605!	211585713	GARLK	473227	2116366	ITM	40X52X7!	2117748	ITM	45X60X10!
21158-91	GARLK	471255!	211586	CLARK	473214!	2116367	ITM	224045	2117787	ITM	225010
21158-9234F1	GARLK	473445	211586430	GARLK	471785!	2116367	ITM	40X62X12!	2117787	ITM	50X65X8!
21158-93	GARLK	471564	211586457	GARLK	450129	2116373	ITM	1174	21178	C-R	472015!*
21158-9345	GARLK	471733	211586457	GARLK	472826!	2116373	ITM	38X52X8.5!	2117909	ITM	225020
21158-94	GARLK	471564*	211586479	GARLK	471192	2116374	ITM	1181	2117909	ITM	50X68X8!
21158-9481	GARLK	417486	211586580	GARLK	450593!	2116374	ITM	41X56X7!	2117925	ITM	223830
21158-95	GARLK	471612	211586637	GARLK	471466!	2116376	ITM	224045	2117925	ITM	38X55X7!
21158-9501	GARLK	330385!	211586667	GARLK	470059	2116376	ITM	40X62X12!	2117926	ITM	227550
21158-9515	GARLK	471267!*	211586667	GARLK	470380!	2116387	ITM	222510	2117926	ITM	75X100X12!
21158-96	GARLK	471612	211586674	GARLK	471795	2116387	ITM	25X35X7!	2117929	ITM	225230
21158-9633	GARLK	480281!	211586675	GARLK	450165	21164	C-R	472015!	2117929	ITM	52X72X8!
21158-97	GARLK	481528	211586675	GARLK	471801!	2116410	ITM	224470	2117953	ITM	1969
21158-98	GARLK	481528	211586749	GARLK	471255!	2116410	ITM	44X72X10!	2117953	ITM	48X63X9!
21158-9833F1	GARLK	471192	211586856	GARLK	471255!	2116428	ITM	224820	2117955	ITM	224820
21158-9943F1	GARLK	471829	211586993	GARLK	471765!	2116428	ITM	48X62X8!	2117955	ITM	48X62X8!
211580121	GARLK	470506!	2115871	GARLK	471551!	2116450	GMC	5M466	2117963	ITM	1953
211580169	GARLK	474273	211587137	GARLK	470059	2116470	ITM	223430	2117963	ITM	42X60X7!
211580214	GARLK	450398	211587137	GARLK	470380!	2116470	ITM	710417	2117966	ITM	225020
211580214	GARLK	471267!	211587176	GARLK	471192	2116475	ITM	223830	2117966	ITM	50X68X8!
211580220	GARLK	471646!	211587195	GARLK	480630!	2116475	ITM	38X55X7!	2117968	ITM	1956
211580287	GARLK	471224!	2115872	GARLK	471551!	2116478	ITM	224045	2117968	ITM	224820
211580294	GARLK	471689!	211587262	GARLK	474274	2116478	ITM	40X62X12!	2117968	ITM	48X62X8!
211580296	GARLK	450593!	211587358	GARLK	471646!	2116492	ITM	1955	2117971	ITM	226285
211580351	GARLK	471652	211587391	GARLK	474255	2116492	ITM	52X65X9!	2117971	ITM	62X85X8!
211580352	GARLK	471652	211587447	GARLK	470059	2116502	ITM	1213N	2117975	ITM	226285
211580357	GARLK	470712!	211587447	GARLK	470380!	2116505	ITM	228020	2117975	ITM	62X85X8!
211580358	GARLK	470712!	211587661	GARLK	471192	2116505	ITM	80X105X13!	2117979	ITM	1012
211580361	GARLK	471785!	211587675	GARLK	471787!	2116539	ITM	225020	2117979	ITM	1012N
211580362	GARLK	471785!	211587831	GARLK	471646!	2116539	ITM	50X68X8!	2117979	ITM	45X62X8!
211580387	GARLK	471765!	211588135	GARLK	473227	21167	C-R	472015*	2117985	ITM	1012
211580388	GARLK	471765!	211588267	GARLK	471551!	21168	C-R	472015!	2117985	ITM	1012N
211580394	GARLK	473205	211588272	GARLK	471472!	2116807	GMC	417267	2117985	ITM	45X62X8!
211580397	GARLK	474255	211588275	GARLK	450165	2117057	GMC	473449	2117988	ITM	1012
211580398	GARLK	474255	211588275	GARLK	471801!	2117058	GMC	472164!	2117988	ITM	1012N
211580399	GARLK	474255	211588314	GARLK	471765!	2117093	ITM	1955	2117988	ITM	45X62X8!
211580424	GARLK	471750!	211588342	GARLK	450557	2117093	ITM	52X65X9!	2117990	ITM	224045
211580425	GARLK	471750!	211588342	GARLK	471255!	21171	C-R	472015	2117990	ITM	40X62X12!
211580426	GARLK	471750!	2115888	GARLK	471466!	2117109	ITM	1213N	2117993	ITM	1187
211580430	GARLK	471787!	211588879	GARLK	450593!	21172	C-R	472015!	2117993	ITM	47X68X10!
211580431	GARLK	471787!	2115892	GARLK	471255!	21172	C-R	472015*	21182	C-R	472015!
211580436	GARLK	471795	21159	C-R	8430S*	21173	C-R	472015!	21183	C-R	472015!
211580437	GARLK	471795	21160	C-R	472015!*	21174	C-R	8430S	2118530	GMC	471570!
211580438	GARLK	471795	2116025	ITM	1180	21175	C-R	8430S	21186	C-R	472015!
211580439	GARLK	450165	2116025	ITM	41X55X7!	211751	ALLCH	55386	21188	C-R	472015!
211580439	GARLK	471801!	2116085	ITM	1214	2117514	ITM	224570	211889	BENDI	480210!
211580440	GARLK	450165	2116085	ITM	1214N	2117514	ITM	45X72X12!	2119019	GMC	411500
211580440	GARLK	471801!	2116112	ITM	1174	2117517	ITM	2001	21192	C-R	410308!*
211580441	GARLK	450165	2116112	ITM	38X52X8.5!	2117517	ITM	60X82X12!	2119402	GMC	471103!
211580441	GARLK	471801!	2116177	ITM	224235	2117531	ITM	1174	211959	ALLCH	55309=
211580484	GARLK	450129	2116177	ITM	42X58X7!	2117531	ITM	38X52X8.5!	21196	C-R	410308!
211580484	GARLK	472826!	2116179	ITM	35X50X8!	2117538	ITM	225005	21197	C-R	410308!
211580485	GARLK	450129	2116179	ITM	3771	2117538	ITM	50X62X7!	2119728	GMC	471689!

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
211985	US-EL	21228	C-R	21269	C-R	21316	C-R
211R	TIMKE	212289	BENDI	21270	C-R	21318	C-R
212	C-R	2122910	GMC	21270	LEECE	21318	C-R
212	UNIVE	2122914	GMC	21271	LEECE	21318	C-R
212-10902	ITM	2122914	GMC	212735	BENDI	213183TB	TRSCM
212-11301	ITM	21230	C-R	212735	FORD	2131D	GOODM
212-11506	ITM	212304R91	IH	21273TB	TRSCM	2131RC	SUL
212-11506	ITM	2123186	GMC	21274	C-R	2132	HWY
212-13503	ITM	2123186	GMC	21275	C-R	21320	C-R
2120	HWY	2123186	WHITE	21276	C-R	21320	C-R
21200631	ROCKW	2123186	WHITE	212794R91	IH	213217	ALLCH
212011	WILYS	2123199	GMC	21281	C-R	21325	C-R
21203	C-R	21232	C-R	21281	C-R	21326	C-R
2120319	GMC	21232	GARLK	21282	C-R	21327	C-R
21204	TIMKE	212325	UNIVE	21282VB	TRSCM	21329	C-R
21205	C-R	212335	MICH	21283SSB	TRSCM	213337TA	TRSCM
21205	C-R	212335	UNIVE	21284F	OSHKO	21334A	MASSE
2120631	ROCKW	21234	C-R	21284SA	TRSCM	21334TB	TRSCM
21207	C-R	212348	MICH	21284TA	TRSCM	213354	FWD
21207	C-R	21235	C-R	21284TB	TRSCM	21336	C-R
21209	C-R	212350	MICH	21286	C-R	21337	C-R
212098R1	IH	212350	UNIVE	212893R91	IH	21341	C-R
212098R91	IH	212354	UNIVE	212908	WAUKE	21342	C-R
2121	CLIN	212362	UNIVE	21294	C-R	21345	C-R
21210	C-R	21237	C-R	21294SA	TRSCM	21345	C-R
21210	C-R	21238	C-R	21296	C-R	21346	C-R
2121091011	GMC	21238-3921	GARLK	212965	BENDI	21348	GARLK
21211	C-R	21238-3926	GARLK	212968	WAUKE	21350	C-R
21211	C-R	21238-3938	GARLK	21297	C-R	213507XX	TIMKE
212110	C-R	21238-3944	GARLK	212978	WAUKE	213508XX	TIMKE
212111	C-R	21238-3952	GARLK	21299	C-R	21352	C-R
2121111	GMC	21238-3953	GARLK	212996	GW	21353	C-R
212112	C-R	21238-3954	GARLK	2129D	GOODM	21354	C-R
212112	GOODM	21238-3955	GARLK	212A124X04	TROS	21356	C-R
212112M1	C-R	21238-3962	GARLK	212A131X04	TROS	21358	C-R
212113	C-R	21238-3968	GARLK	212B112	C-R	21360	C-R
2121133	GMC	21238-3984	GARLK	212CHA112	C-R	21360	GARLK
212114	C-R	21238-3985	GARLK	212D112	C-R	21361	C-R
2121144	GMC	21238-3997	GARLK	212R	TIMKE	21368	GARLK
212116	C-R	21238-3998	GARLK	212W112	C-R	2136OS	JN-MN
212116M1	C-R	21238-4009	GARLK	212W112M1	C-R	2136OS	JN-MN
212118	C-R	21238-4017	GARLK	212W16	C-R	2137005	GMC
21213	C-R	21238-4031	GARLK	212W16M1	C-R	213712	SPERY
21213505	ITM	21238-4036	GARLK	212W18	C-R	2137252	GMC
21213505	ITM	21238-4057	GARLK	212W18M1	C-R	2137274	GMC
21213507	ITM	21238-4063	GARLK	212W350	CONE	213741	ALLCH
21213507	ITM	21238-4072	GARLK	212Z18	C-R	21378	C-R
21214	C-R	21238-4499	GARLK	213	C-R	21378	GARLK
21215	C-R	21238-4500	GARLK	213	UNIVE	21379	C-R
21216	C-R	21238-4610	GARLK	21300	C-R	2137OS	JN-MN
2121626	GMC	21240	C-R	213006	HYST	21385	C-R
2121632	GMC	2124223	GMC	213009	ALLCH	213895	ALLCH
2121633	GMC	2124461	CHRY	21302	C-R	21390	C-R
2121634	GMC	21245	C-R	21302	C-R	2139445	GMC
21216M1	C-R	21246	GARLK	21302VH	TRSCM	2139445	GMC
21218	C-R	2124705	CHRY	21303	C-R	2139446	GMC
21218M1	C-R	2124OS	JN-MN	21303	C-R	2139446	GMC
21219	C-R	212522	WAYNE	21303TA	TRSCM	2139447	GMC
2122	WHITE	21254	C-R	21304	C-R	213R	TIMKE
21220	C-R	21255	C-R	21304VSA	TRSCM	213W112	C-R
2122016	GMC	21256	C-R	21305	C-R	213W112M1	C-R
2122063	GMC	212561	BENDI	213065TA	TRSCM	214	C-R
212227	CUMMI	21258	C-R	213065TB	TRSCM	214	UNIVE
21224	GARLK	21259	C-R	213065TB	TRSCM	21400	C-R
212257R91	IH	21260	C-R	213070R91	IH	214017	CLARK
21226	C-R	212603	CUMMI	213074	ALLCH	214077	CLARK
2122674	GMC	212608M1	MASSE	213075	ALLCH	214083	ALLCH
2122701	GMC	21262	GARLK	2130D	GOODM	214085	CLARK
2122717	GMC	212620	BRCWY	2130RC	SUL	214097	ALLCH
2122717	GMC	21265	C-R	21314SA	TRSCM	214143	CLARK
2122717	MOHWK	21266	C-R	21315	C-R	214161	CLARK
2122718	GMC	21267	C-R	21316	C-R	2141654	GMC

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
2143	WHITE	473228	21527-0387	GARLK	471765!	21527-1345	GARLK	473243	21527-2465	GARLK	417205!
2143265	GMC	472636!	21527-0427	GARLK	471766!	21527-1402	GARLK	472018	21527-2468	GARLK	416339
214335	UNIVE	411500*	21527-0442	GARLK	471808!	21527-1405	GARLK	473471	21527-2537	GARLK	415035
214348	MICH	450104	21527-0451	GARLK	473424!	21527-1408	GARLK	472020	21527-2540	GARLK	417356!
214350	MICH	411245!	21527-0535	GARLK	470774!	21527-1414	GARLK	470354	21527-2543	GARLK	417357
214350	UNIVE	411245!	21527-0541	GARLK	471192	21527-1420	GARLK	473245!	21527-2546	GARLK	416130!
214354	MICH	417073	21527-0544	GARLK	473214	21527-1426	GARLK	413472	21527-2555	GARLK	415041
214354	UNIVE	417073	21527-0547	GARLK	473215!	21527-1432	GARLK	416268	21527-2657	GARLK	416556!
214400	ALLCH	472397!	21527-0550	GARLK	470950!	21527-1471	GARLK	471341!	21527-2657	GARLK	472157
2144138	GMC	330385!	21527-0550	GARLK	6241S	21527-1474	GARLK	471272!	21527-2663	GARLK	416891!
214439	WILYS	470954!	21527-0556	GARLK	471835!	21527-1480	GARLK	471138!	21527-2753	GARLK	416888!
214472	ALLCH	473214!	21527-0592	GARLK	473224!	21527-1486	GARLK	410737!	21527-2756	GARLK	416153!
21454	GARLK	473227!	21527-0595	GARLK	473016!	21527-1492	GARLK	472636!	21527-3125	GARLK	455576!
214556	CLARK	455197N	21527-0598	GARLK	473225!	21527-1498	GARLK	412920!	21527-3128	GARLK	415938
214566	CLARK	455197N	21527-0643	GARLK	470625!	21527-1504	GARLK	411376!	21527-3275	GARLK	417362!
2146	TIMKE	2146	21527-0645	GARLK	471818	21527-1654	GARLK	413246	21527-3278	GARLK	417363
21462	GARLK	470625!	21527-0655	GARLK	473228	21527-1657	GARLK	412119!	21527-3281	GARLK	416666
214631	SPICE	472015!	21527-0664	GARLK	473440!	21527-1660	GARLK	413247!	21527-3872	GARLK	471747!
214687	CLARK	476470	21527-0700	GARLK	472213	21527-1666	GARLK	416271!	21527-3880	GARLK	471344
214689	KRSE	6603* =	21527-0703	GARLK	472299	21527-1669	GARLK	412861	21527-3883	GARLK	473442!
214701	CLARK	50199S!	21527-0706	GARLK	471821!	21527-1678	GARLK	417480!	21527-4802	GARLK	450545
214701	CLARK	6863S!	21527-0712	GARLK	473229	21527-1723	GARLK	471887	21527-4965	GARLK	451031 =
214706	CLARK	473229	21527-0715	GARLK	470682	21527-1738	GARLK	411500	21527-6658	GARLK	471276*
21472	GARLK	470380!	21527-0718	GARLK	471316	21527-1747	GARLK	411245!	21527-7126	GARLK	470596*
21472VA	IH	473460	21527-0739	GARLK	482253	21527-1750	GARLK	417073	21527-7164	GARLK	473455!
214784	ALLCH	471765!	21527-0760	GARLK	473231	21527-1801	GARLK	472029	21527-7249	GARLK	416127
214821	BRCWY	473228	21527-0763	GARLK	473367!	21527-1807	GARLK	471271!	21527-7282	GARLK	470088
214826	BRCWY	471689!	21527-0763	GARLK	473367	21527-1813	GARLK	470605!	21527-7934	GARLK	55469*
214863680	GARLK	7639S	21527-0769	GARLK	473010	21527-1819	GARLK	415449!	21527-7941	GARLK	455509*
21492	GARLK	473228!	21527-0772	GARLK	473232	21527-1825	GARLK	416273	21527-8074	GARLK	471827!*
214941	CLARK	456967N =	21527-0775	GARLK	481864	21527-1888	GARLK	455311*	21527-8081	GARLK	450819*
214941	CLARK	456967V!	21527-0787	GARLK	473444	21527-1933	GARLK	413248	21527-8352	GARLK	471652
2149423	GMC	475348N	21527-0826	GARLK	473233!	21527-1939	GARLK	415483	215270394	GARLK	473205
2149674	GMC	472164!	21527-0835	GARLK	473234	21527-1945	GARLK	415458!	215270424	GARLK	471750!
2149740	GMC	472164!	21527-0838	GARLK	473235!	21527-1948	GARLK	417343!	215270430	GARLK	471787!
21498	GARLK	473228!	21527-0844	GARLK	473236!	21527-1951	GARLK	415007	215270436	GARLK	471795
214995	CLARK	417262!	21527-0859	GARLK	471981	21527-2035	GARLK	416664!	215270439	GARLK	450165
214R	TIMKE	214PKG	21527-0899	GARLK	471504!	21527-2038	GARLK	417484!	215270439	GARLK	471801!
215	GARLK	471570!	21527-0907	GARLK	472185!	21527-2041	GARLK	415984!	215271357	GARLK	416267!
215	UNIVE	416654!	21527-0910	GARLK	470334!	21527-2044	GARLK	417316!	215271357	GARLK	456267 =
2150	WHITE	421	21527-0913	GARLK	472179	21527-2047	GARLK	415960	215278342	GARLK	450557
2150348	GMC	415991	21527-0922	GARLK	471141!	21527-2050	GARLK	416706!	215278342	GARLK	471255!
2150348	GMC	455146!	21527-0925	GARLK	473448	21527-2118	GARLK	417344!	21528-0109	GARLK	471529
21503D	IH	412119!	21527-0928	GARLK	471984	21527-2121	GARLK	417158!	21528-0111	GARLK	471538!
2150563	GMC	415371	21527-0931	GARLK	473313	21527-2146	GARLK	416956	21528-0113	GARLK	471553!
2151090	GMC	417485	21527-1042	GARLK	472439	21527-2152	GARLK	416654!	21528-0115	GARLK	471579
2151HC	SPG	2151H =	21527-1045	GARLK	471868	21527-2168	GARLK	417349!	21528-0143	GARLK	471567!
21523	FMC	413247!	21527-1048	GARLK	472572!	21527-2171	GARLK	417350!	21528-0147	GARLK	471643!
21525	C-R	40566S	21527-1051	GARLK	473179!	21527-2174	GARLK	415995!	21528-0151	GARLK	450033
21527-0113	GARLK	471553!	21527-1057	GARLK	473238	21527-2177	GARLK	417351!	21528-0153	GARLK	470390
21527-0115	GARLK	471579	21527-1063	GARLK	473239!	21527-2249	GARLK	456105	21528-0159	GARLK	481443!
21527-0119	GARLK	471642	21527-1066	GARLK	473457!	21527-2257	GARLK	455336	21528-0161	GARLK	481568!
21527-0145	GARLK	471498*	21527-1069	GARLK	473240!	21527-2261	GARLK	417490	21528-0213	GARLK	471267!
21527-0149	GARLK	471684!	21527-1075	GARLK	473458!	21527-2267	GARLK	455022	21528-0215	GARLK	471570!
21527-0151	GARLK	450033	21527-1114	GARLK	472319	21527-2270	GARLK	476470!	21528-0217	GARLK	471633!
21527-0153	GARLK	470390	21527-1117	GARLK	473459	21527-2270	GARLK	476470	21528-0219	GARLK	471646!
21527-0213	GARLK	471267!	21527-1120	GARLK	473241	21527-2273	GARLK	417181!	21528-0225	GARLK	471730
21527-0217	GARLK	471633!*	21527-1129	GARLK	472144!	21527-2276	GARLK	418028	21528-0269	GARLK	451583!
21527-0221	GARLK	470590	21527-1132	GARLK	473460	21527-2279	GARLK	417353!	21528-0273	GARLK	471648
21527-0227	GARLK	481741 =	21527-1135	GARLK	472394	21527-2294	GARLK	455328	21528-0275	GARLK	471688
21527-0289	GARLK	473380*	21527-1198	GARLK	472924!	21527-2366	GARLK	415991	21528-0291	GARLK	471649!
21527-0323	GARLK	471651	21527-1204	GARLK	472397!	21527-2366	GARLK	415991!	21528-0293	GARLK	471689!
21527-0325	GARLK	471705!	21527-1207	GARLK	473463	21527-2369	GARLK	417196!	21528-0295	GARLK	450593!
21527-0327	GARLK	473419!	21527-1210	GARLK	473242	21527-2375	GARLK	417198	21528-0297	GARLK	471733
21527-0333	GARLK	471762!	21527-1252	GARLK	451948	21527-2417	GARLK	416332!	21528-0301	GARLK	471760
21527-0355	GARLK	476838!	21527-1270	GARLK	416738!	21527-2420	GARLK	415937!	21528-0303	GARLK	471619!
21527-0357	GARLK	470712!	21527-1270	GARLK	450096	21527-2426	GARLK	416125!	21528-0353	GARLK	471692!
21527-0359	GARLK	471763	21527-1321	GARLK	470898 =	21527-2432	GARLK	417499	21528-0355	GARLK	476838!
21527-0361	GARLK	471785!	21527-1324	GARLK	473467	21527-2433	GARLK	417355!	21528-0359	GARLK	471763
21527-0383	GARLK	472475	21527-1327	GARLK	472015!	21527-2435	GARLK	415832	21528-0361	GARLK	471785!
21527-0384	GARLK	472475	21527-1333	GARLK	472016	21527-2438	GARLK	417500	21528-0535	GARLK	470774!
21527-0385	GARLK	473426	21527-1339	GARLK	472409!	21527-2462	GARLK	415379	21528-0544	GARLK	473214!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
21528-0547	GARLK	21576	GARLK	21637	C-R	21702-0546	GARLK
21528-0556	GARLK	2158	CARDX	216375	UNIVE	21702-0548	GARLK
21528-0643	GARLK	2158204	AMC	21638	C-R	21702-0550	GARLK
21528-0655	GARLK	215841	CLARK	21639	IH	21702-0550	GARLK
21528-0658	GARLK	2158432	GMC	21640	C-R	21702-0551	GARLK
21528-0664	GARLK	2158837	GMC	216400	UNIVE	21702-0551	GARLK
21528-0700	GARLK	2159	CARDX	21641	C-R	21702-0552	GARLK
21528-0898	GARLK	21590	GARLK	21642	C-R	21702-0552	GARLK
21528-0904	GARLK	21598	GARLK	21645	C-R	21702-0592	GARLK
21528-0913	GARLK	215A120X08	TROS	21648	C-R	21702-0597	GARLK
21528-0922	GARLK	215R	TIMKE	21648	C-R	21702-0624	GARLK
21528-0925	GARLK	216	C-R	21649	C-R	21702-0643	GARLK
21528-0928	GARLK	21603	C-R	21650	C-R	21702-0644	GARLK
21528-1048	GARLK	21603	C-R	21651	C-R	21702-0645	GARLK
21528-1051	GARLK	2160782	GMC	21652	C-R	21702-0655	GARLK
21528-1057	GARLK	21610	C-R	21660	C-R	21702-0657	GARLK
21528-1063	GARLK	21610	C-R	21660	C-R	21702-0664	GARLK
21528-1186	GARLK	21611	C-R	216604	WILYS	21702-0700	GARLK
21528-1189	GARLK	21611	C-R	2166091	GMC	21702-0707	GARLK
21528-1198	GARLK	21611208	TROS	21661	C-R	21702-0717	GARLK
21528-1204	GARLK	21611508	TROS	21665	C-R	21702-0760	GARLK
21528-1321	GARLK	21611604	TROS	2166675	AMC	21702-0762	GARLK
21528-1324	GARLK	21611605	TROS	21668	C-R	21702-0769	GARLK
21528-1327	GARLK	21611608	TROS	21670	C-R	21702-0772	GARLK
21528-1471	GARLK	21611608	TROS	21670	C-R	21702-0774	GARLK
21528-1474	GARLK	21611611	TROS	21671	C-R	21702-0829	GARLK
21528-1492	GARLK	21612	C-R	21673	C-R	21702-0835	GARLK
21528-1504	GARLK	21612008	TROS	216811604	TROS	21702-0837	GARLK
21528-1639	GARLK	21612408	TROS	21682	VICK	21702-0843	GARLK
21528-1654	GARLK	21612804	TROS	21685	C-R	21702-0859	GARLK
21528-1666	GARLK	21612808	TROS	21690	C-R	21702-0898	GARLK
21528-1669	GARLK	21613	C-R	21690	GARLK	21702-0904	GARLK
21528-1801	GARLK	21613204	TROS	216918	ALLCH	21702-0906	GARLK
21528-1807	GARLK	21613206	TROS	216928	ALLCH	21702-0907	GARLK
21528-1822	GARLK	21613206C	TROS	21692D	IH	21702-0909	GARLK
21528-1828	GARLK	21613208	TROS	21693	C-R	21702-0913	GARLK
21528-1834	GARLK	21613212	TROS	216952	US-EL	21702-0928	GARLK
21528-2035	GARLK	21613604	TROS	216959R91	IH	21702-1048	GARLK
21528-2038	GARLK	21614804	TROS	216985	ALLCH	21702-1050	GARLK
21528-2041	GARLK	21614806	TROS	216990	ALLCH	21702-1057	GARLK
21528-2050	GARLK	21614808	TROS	216A15006	TROS	21702-1069	GARLK
21528-2168	GARLK	21619	C-R	216A15006C	TROS	21702-1075	GARLK
21528-2174	GARLK	216193680	GARLK	216C13104	TROS	21702-1114	GARLK
21528-4584	GARLK	216193709	GARLK	216D13206	TROS	21702-1129	GARLK
21528-51	GARLK	21620	C-R	216R	TIMKE	21702-1135	GARLK
21528-55	GARLK	21620	C-R	216V15BULK	NATL	21702-1150	GARLK
21528-67	GARLK	21621	C-R	2170013	GMC	21702-1162	GARLK
21528-69	GARLK	21623	C-R	21702-0111	GARLK	21702-1186	GARLK
21528-87	GARLK	21623	C-R	21702-0113	GARLK	21702-1189	GARLK
21528-91	GARLK	21624	C-R	21702-0144	GARLK	21702-1191	GARLK
21528-93	GARLK	21624	C-R	21702-0147	GARLK	21702-1201	GARLK
215280287	GARLK	21625	C-R	21702-0148	GARLK	21702-1204	GARLK
215280351	GARLK	21626	C-R	21702-0159	GARLK	21702-1206	GARLK
215280541	GARLK	21627	C-R	21702-0175	GARLK	21702-1323	GARLK
215280646	GARLK	21628	C-R	21702-0213	GARLK	21702-1329	GARLK
215280646	GARLK	21628	C-R	21702-0215	GARLK	21702-1332	GARLK
2152853	GARLK	21629	C-R	21702-0216	GARLK	21702-1340	GARLK
2152871	GARLK	21629	C-R	21702-0219	GARLK	21702-1402	GARLK
215348	CLARK	21630	C-R	21702-0224	GARLK	21702-1471	GARLK
21537	C-R	21631	C-R	21702-0270	GARLK	21702-1473	GARLK
21538	C-R	2163192	GMC	21702-0288	GARLK	21702-1476	GARLK
21539	C-R	21632	C-R	21702-0291	GARLK	21702-1494	GARLK
215393	WILYS	21633	C-R	21702-0293	GARLK	21702-1504	GARLK
21540	C-R	216335	UNIVE	21702-0323	GARLK	21702-1505	GARLK
215412	CLARK	216337	UNIVE	21702-0353	GARLK	21702-1642	GARLK
2155638	GMC	216350	MICH	21702-0383	GARLK	21702-1644	GARLK
21560	C-R	216350	UNIVE	21702-0385	GARLK	21702-1654	GARLK
21561	C-R	216354	MICH	21702-0390	GARLK	21702-1656	GARLK
2156231	GMC	216354	UNIVE	21702-0427	GARLK	21702-1658	GARLK
21566	GARLK	216354SL	MICH	21702-0430	GARLK	21702-1668	GARLK
215745	OILGR	216362	MICH	21702-0535	GARLK	21702-1680	GARLK
2157507	GE	216362	UNIVE	21702-0544	GARLK	21702-1750	GARLK

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
21702-1752	GARLK	417073	21702-3277	GARLK	417362!	21733	RELEE	415294!	21814	C-R	6636S
21702-1807	GARLK	471271!	21702-3278	GARLK	417363	21736	C-R	473244!	21814	GARLK	472572!
21702-1819	GARLK	415449!	21702-3279	GARLK	417363	21736	C-R	473244 *	21820	C-R	470354
21702-1821	GARLK	415449!	21702-3280	GARLK	417363	21742	C-R	473244	218205R91	IH	6270
21702-1882	GARLK	413479	21702-3281	GARLK	416666	217431	ALLCH	473214!	218206R91	IH	5401
21702-1939	GARLK	415483!	21702-3282	GARLK	416666	21744D	IH	410102	21820D	IH	415371
21702-1948	GARLK	417343!	21702-3283	GARLK	416666	217484	ALLCH	470059	21823-0109	GARLK	471529
21702-1993	GARLK	455434	21702-3355	GARLK	415683	217484	ALLCH	470380!	21823-0111	GARLK	471538!
21702-2004	GARLK	455151	21702-3367	GARLK	415072	21749	C-R	472234	21823-0113	GARLK	471553!
21702-2032	GARLK	480491	21702-3384	GARLK	415074	2174901	GMC	472015!	21823-0115	GARLK	471579
21702-2035	GARLK	416664!	21702-3426	GARLK	415294!	21752	C-R	472234	21823-0143	GARLK	471567!
21702-2038	GARLK	417484!	21702-3518	GARLK	416044	21753	C-R	472234	21823-0147	GARLK	471643!
21702-2044	GARLK	417316!	21702-3544	GARLK	415867	217534	ALLCH	471750!	21823-0151	GARLK	450033
21702-2045	GARLK	417316!	21702-3601	GARLK	417601	217535	ALLCH	471276	21823-0153	GARLK	470390
21702-2046	GARLK	417316!	21702-3610	GARLK	417604	217535	SPERY	471831 =	21823-0159	GARLK	481443!
21702-2047	GARLK	415960	21702-3624	GARLK	415090	217536	ALLCH	471141!	21823-0161	GARLK	481568!
21702-2048	GARLK	415960	21702-3660	GARLK	417605	21755	C-R	472234	21823-0215	GARLK	471570!
21702-2049	GARLK	415960	21702-3673	GARLK	417198	21756	C-R	4740	21823-0217	GARLK	471633!
21702-2086	GARLK	455005	21702-3869	GARLK	472705!	21756	MA-PR	343185	21823-0219	GARLK	471646!
21702-2088	GARLK	455005	21702-3921	GARLK	417601	217570	ALLCH	415007	21823-0225	GARLK	471730
21702-2115	GARLK	415303!	21702-3938	GARLK	417604	21758	C-R	472018	21823-0269	GARLK	451583!
21702-2124	GARLK	416921!	21702-3949	GARLK	455966	21759	C-R	472018	21823-0273	GARLK	471648
21702-2168	GARLK	417349	21702-3954	GARLK	455462	21761	C-R	472018	21823-0275	GARLK	471688
21702-2170	GARLK	417349	21702-4031	GARLK	55228 =	2176189	GMC	471103!	21823-0291	GARLK	471649!
21702-2172	GARLK	417350!	21702-4062	GARLK	415076	21762	C-R	472018 *	21823-0297	GARLK	471733
21702-2174	GARLK	415995!	21702-4503	GARLK	55301S	21763	C-R	472018 =	21823-0301	GARLK	471760
21702-2177	GARLK	417351!	21702-4507	GARLK	455462	217639H1	IH	415551	21823-1324	GARLK	473467
21702-2180	GARLK	417487!	21702-4560	GARLK	415294!	21764	C-R	472018 *	21823-51	GARLK	471526!
21702-2180	GARLK	417487	21702-5246	GARLK	470625!	217640H1	IH	415066	21823-55	GARLK	471549!
21702-2183	GARLK	417488!	21702-55	GARLK	471549!	21766	C-R	472018	21823-69	GARLK	471535!
21702-2186	GARLK	455019!	21702-77	GARLK	471532	21767	C-R	472018	21823-87	GARLK	471466!
21702-2198	GARLK	455019!	21702-80	GARLK	473405	21769	C-R	4740	21823-91	GARLK	471255!
21702-2225	GARLK	417621!	21702-87	GARLK	471466!	21769	C-R	8974S *	21823-93	GARLK	471564
21702-2237	GARLK	416297	21702-91	GARLK	471255!	21770	C-R	8974S	2182353	GARLK	471472!
21702-2270	GARLK	476470	21702-9808	GARLK	471689!	21771	C-R	8974S	2182371	GARLK	471551!
21702-2273	GARLK	417181!	217020287	GARLK	471224!	21771	RELEE	473228!	21826	GARLK	473238!
21702-2327	GARLK	417354!	217020351	GARLK	471652	21775	C-R	473471	21828	HYST	470088
21702-2348	GARLK	417493	217020362	GARLK	471785!	2177BG	SPG	712598	218283TB	TRSCM	473244!
21702-2366	GARLK	415991	217020387	GARLK	471765!	2177BX	SPG	2177	218284	ALLCH	415960!
21702-2366	GARLK	455146!	217020388	GARLK	471765!	2178091	GMC	471649!	218294TL	TRSCM	472234
21702-2367	GARLK	415991	217020424	GARLK	471750!	217813H1	IH	471195!	218304TB	TRSCM	8974S
21702-2367	GARLK	455146!	217020425	GARLK	471750!	21787	C-R	472020	218313	ALLCH	471224
21702-2369	GARLK	417196!	217020439	GARLK	450165	217873	ALLCH	472144!	218327	ALLCH	473367!
21702-2372	GARLK	415437	217020439	GARLK	471801!	217873	MASSE	472144!	218327	ALLCH	473367
21702-2393	GARLK	415711	217020441	GARLK	450165	21788	C-R	472020	21835	GARLK	473239!
21702-2417	GARLK	416332!	217020441	GARLK	471801!	2179	UNIVE	418028	218350	MICH	415302
21702-2421	GARLK	415937!	217020484	GARLK	450129	2179	UNIVE	455137!	218350	UNIVE	415302
21702-2462	GARLK	415379	217020484	GARLK	472826!	21795D	IH	470530!	218354	UNIVE	455311
21702-2462	GARLK	415379!	217020543	GARLK	471192	21798	C-R	470354 *	21836	C-R	473245!
21702-2501	GARLK	417211!	217020646	GARLK	470059	217985	HYST	J1121	218362	MICH	415988
21702-2504	GARLK	416345!	217020646	GARLK	470380!	2179886	GMC	6090S	218362	UNIVE	415988 *
21702-2519	GARLK	476470!	217020648	GARLK	470059	21799	C-R	470354 *	218375	UNIVE	417481
21702-2519	GARLK	476470	217020648	GARLK	470380!	2179922	GMC	470954	21838	GARLK	473239!
21702-2537	GARLK	415035	2170237	GARLK	50199S!	2179931	GMC	471192	218387	UNIVE	455280 *
21702-2600	GARLK	417511	2170237	GARLK	6863S!	217A124X06.5	TROS	9569S	218388	MICH	455280
21702-2636	GARLK	417513	2170238	GARLK	50199S!	217R	TIMKE	217PKG	2183992	GMC	470898
21702-2663	GARLK	416891!	2170238	GARLK	6863S!	218	C-R	417584+99499	21840	C-R	473245!
21702-2711	GARLK	416380!	2170250	GARLK	471442!	218	C-R	5624	218450	ALLCH	470059N
21702-2723	GARLK	416149	217032	ALLCH	471192	2180	UNIVE	415991	21848	GARLK	473240!
21702-2753	GARLK	416888!	217036B	OLIVE	40061S =	2180	UNIVE	455146!	218538	CUMMI	39723
21702-2759	GARLK	416892!	217039	ALLCH	450400	21802	GARLK	472439	218539	CUMMI	39732
21702-2807	GARLK	416158	21704	GARLK	472164!	21808	C-R	3095	218539	CUMMI	57248
21702-2837	GARLK	415138!	21709D	IH	455019!	21809	C-R	470354	218539-04	CUMMI	39732
21702-2915	GARLK	415725!	217103	ALLCH	472258!	21810	C-R	470354	2185521	GMC	474276!
21702-2921	GARLK	416865!	217106	ALLCH	471267!	21811	C-R	470354 *	21855D	IH	415458!
21702-2922	GARLK	416865!	217130	CINMI	416891!	21812	C-R	470354 *	21856	VICK	415196!
21702-2927	GARLK	417541	21714	GARLK	472185!	21812004	TROS	40769S	21860	VICK	417205!
21702-3059	GARLK	417262!	217164	ALLCH	473238	21812005	TROS	40769S	2186197	GMC	471466!
21702-3067	GARLK	415645!	21726	GARLK	472179	21812404	TROS	42763	2186314	GMC	470898
21702-3067	GARLK	455104	21726F	OSHKO	476470!	21812405	TROS	42763	21865	VICK	416888!
21702-3184	GARLK	416107!	21726F	OSHKO	476470	21812408	TROS	50402	218655	ALLCH	471554!
21702-3184	GARLK	455073	21732	RELEE	473010!	2181265	GMC	472397!	218682	ALLCH	474255

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
21870	HYST	450147	2196516	GO-TI	3214	22008	DANMA	473214!	220705	WOODB	450430
218703	ALLCH	473231!	2196517	GO-TI	3348	220083	SPG	472924!	22071	C-R	56X85X8
2187813	GMC	6245S=	2196518	GO-TI	1955	22009	DANMA	50468	22071	GARLK	473242
2188404	GMC	471141!	2196518	GO-TI	52X65X9!	220096	CLARK	472439=	22074	US-EL	416380!
21886	VICK	474255	2196519	GO-TI	3199	2201050	GRAM	450457	2207484	CHRY5	7886S
21890	C-R	412943	2196520	GO-TI	1955	2201055	GRAM	471766!	22075	C-R	5686
2189804	GMC	471192	2196520	GO-TI	52X65X9!	2201079X	GRAM	471554!	22075	C-R	5700
218R	TIMKE	218PKG	21969D	IH	473367!	220120	SPG	471224!	220752	SPG	410752
219	C-R	45X70X10+99177	21969D	IH	473367	220126	CLARK	417344!	220753H4	IH	417602*=
219-6404	GO-TI	8139	219774	JEFF	473016!	22013	C-R	710108	220762	FORD	471192
219-6405	GO-TI	7607	2198804	GMC	471192	22014	C-R	56X70X8V	220762	WOODB	471192
219-6406	GO-TI	7934S	219899	JEFF	415001!	22015	C-R	56X70X8	22076X	MASSE	471652
21900	C-R	412943*	219899	SUL	415001!	22018	C-R	225650	220785	ALLCH	474264
219023	OILGR	471647	219929	ALLCH	415254	22018	C-R	56X72X7*	22080	C-R	56X88X8
21910	C-R	413472	2199335	GMC	471267!	220184	ALLCH	471766!	220800	CLARK	476098N=
219155	ALLCH	470334!	219A125X08.25	TROS	8660S	2201889	CHRY5	6241S	220816	CLARK	470530!
21918	C-R	710413	219D4	WHITE	472636!	220194	ALLCH	471649!	220818	TIMKE	220818
2191897	GMC	473010	219R	TIMKE	219PKG	22020	C-R	225650	220845	CLARK	472258!
21918D	IH	415995!	21C7052	FORD	410059	22020	C-R	56X72X11.5!	220860	TIMKE	220860
2192652	GMC	416865!	21C7052	FORD	470380!	220207	CLARK	472213	220866	CINMI	472636!
21934	C-R	416268	21C7052A	FORD	410059	220214	CLARK	474255	2208947	GMC	416282
219355TBJ	TRSCM	2286	21C7052A	FORD	470380!	22022	C-R	710069	2208B-652	ROCKW	733067
21938	C-R	3103!	21C7052A1	FORD	410059	22023	GARLK	472492!	2208C-575	ROCKW	733067
219396	ALLCH	472560N!	21C7052A1	FORD	470380!	220230	SPG	471689!	2208C-835	ROCKW	730008
21940	C-R	415350*	21C7052A2	FORD	410059	22024	C-R	710393	2208E-889	ROCKW	730004
21944K	IH	473438	21C7052A2	FORD	470380!	22025	C-R	225650	2208N-820	ROCKW	730149
219475	ALLCH	415138!	21D2531	FWD	471750!	22025	C-R	56X72X11.5!	2208R-928	ROCKW	733067
21940S	JN-MN	417606*	21D6131	FWD	471554!	22026	C-R	225673	2208U463	TIMKE	421
21950	C-R	415350	21FZ-1177AB	FORD	3622	22028	C-R	225673	2208W-412	ROCKW	733106
21952	C-R	5604	21FZ-7F401AA	FORD	4189H	22029	C-R	4741	2208W-413	ROCKW	733111
21953	C-R	710171	21RM201	CONTI	470334!	220294	CLARK	417621!	2208X-440	ROCKW	733107
21955	C-R	2286	21X10043B	JOHND	416888!	220295R91	IH	450143	2208Z-416	ROCKW	733105
21955D	IH	473460	21X10052B	JOHND	343185	2202993SA	TRSCM	470530	2208Z-422	ROCKW	733114
219594	FRUEH	480630	21X12461A	JOHND	417344!	22030	C-R	4899	220915	JEFF	473234
2196057	GMC	472397!	21X12544A	JOHND	473214!	22030	C-R	56X75X7*	220918	TIMKE	220918
21961	C-R	3553	21X12544B	JOHND	473214!	22030	C-R	5700	2209334	GMC	55646=
21961	RELEE	416156	21X14213B	JOHND	415458!	22031	C-R	225545	22099H	IH	472924!
21962	C-R	5604	21X14214A	JOHND	471138!	220316	ALLCH	470334!	2209K-791	ROCKW	730009
219621	ALLCH	471868	21X14479A	JOHND	473203	22033	C-R	4899	220R	TIMKE	220PKG
2196401	GO-TI	473317	21X15184A	JOHND	471224!	220337DSL	MICH	410708	220X250X15SC	TRSCM	220X250X15
2196403	GO-TI	41257!	21X15517A	JOHND	415138!	22034	JOY	471570!	220X250X15TC	TRSCM	220X250X15
2196407	GO-TI	8705S	21X18141A	JOHND	415327	22035	C-R	710146	221000	NEHO	471870!
2196408	GO-TI	9406S	21X2813	GARLK	415064	22035	GARLK	472924!	2210228	GMC	330385
2196409	GO-TI	9015S	21X35X7ASN(35)	ISP	21X35X7	220350	UNIVE	415483!	221040	TIMKE	221040
2196410	GO-TI	8121S	21X35X8SC	TRSCM	21X35X8	220352	SPG	472164!	221042	CLARK	474256
2196411	GO-TI	6815	21X35X8TC	TRSCM	21X35X8	220362	MICH	415458!	221047	CLARK	472299
2196414	GO-TI	8871	21X51544A	JOHND	455056	220362	UNIVE	415458!	2210611	GMC	415991
2196415	GO-TI	5121	21X52416A	JOHND	471984	22037	C-R	1993	2210851	GMC	472397=
2196416	GO-TI	3087	21Y2997	GW	472636!	220375	MICH	417343!	2211035	WOOL	455121
2196417	GO-TI	3357	22-CT115	OSHKO	417254	220375	UNIVE	417343!	221122	TIMKE	221122
2196418	GO-TI	1196	22001	DANMA	470625!	22038	C-R	225650	22113206.5	TROS	24013
2196419	GO-TI	6840S	220010	DANMA	473236!	220387	UNIVE	415007*	22114405	TROS	473317
2196420	GO-TI	9406S	220011	MINNM	471787!	220388	MICH	415007	22114407	TROS	203008
2196421	GO-TI	1217	220013	DANMA	204002	220389R91	IH	471272!	221167	KEN	415656
2196422	GO-TI	1195	220015	DANMA	473227	220395	FORD	473215!	221192	CLARK	472636!
2196423	GO-TI	224820	220017	DANMA	472015!	2203RC	SUL	417316!	221193	CLARK	480950N=
2196423	GO-TI	48X62X8!	220018	DANMA	470625!	22040	C-R	56X78X8*	221194	CLARK	471141
2196424	GO-TI	1188	220019	DANMA	204017	220400	UNIVE	417082*	22120	C-R	710176
2196425	GO-TI	4148	22002	DANMA	472164!	22042	C-R	225678	221207	SPG	12X22X7
2196501	GO-TI	9568	220020	DANMA	471750	220439	CLARK	417487	221207	TIMKE	221207
2196502	GO-TI	9363S	220021	DANMA	40370S	22040S	JN-MN	415001!	221208	TIMKE	221208
2196503	GO-TI	5124	220022	DANMA	204017	22050	C-R	56X80X8	221209	KEN	415001!
2196504	GO-TI	8660S	220027	SPG	471554!	2205080	CHRY5	471827	221212	OILGR	473228
2196505	GO-TI	8704S	22003	DANMA	471192	22053	C-R	56X80X8!	221233	KEN	415437=
2196506	GO-TI	8695S	22005	C-R	710169	22056	GARLK	472397!	221233	PACIF	415437=
2196508	GO-TI	5124	22005	DANMA	450165	220570	CINMI	415458!	22125	C-R	710108
2196509	GO-TI	8835S	22005	DANMA	471801!	220570	CLARK	471141!	22125	UNIVE	471538!
2196511	GO-TI	9569S	22006	DANMA	471766!	220571	CINMI	417355!	221270	NATL	12X30X7
2196512	GO-TI	2689S	22006	GARLK	471424!	2205BGR	SPG	5115	2212953	GMC	474278!
2196513	GO-TI	473228	22006X	MASSE	471821!	22060	C-R	56X82X8	22130	C-R	472234
2196514	GO-TI	1012	22007	DANMA	450492	220631	US-EL	415034!	221344	CLARK	411376!
2196514	GO-TI	1012N	2200730	CHRY5	471267!	220705	FORD	450430	22137	MICH	471553!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
22137	UNIVE	471553!	222075	NATL	20X47X7	22254007	ALLCH	473444	223065	NATL	30X62X7
22138W	DIA	410308!	222079	KEN	7131	222541	NATL	222540	223086	CLARK	416380!
221410	NATL	14X24X7!	222079	PACIF	8724S	222556	TIMKE	222556	2230B	GOODM	417316!
221410	TIMKE	221410	2220881	GMC	6612S	222558	TIMKE	222558	2230C	GOODM	417316!
22143	C-R	473467	2220883	GMC	471413	222560	NATL	25X47X7	2230D	GOODM	417316!
221430	NATL	14X28X6	222092	NATL	20X52X7	222560	TIMKE	222560	2231	CARDX	473463
22144	FMC	471820	2220RC	SUL	471271!	222570	NATL	25X52X7!	2231056	GMC	471689!
2214569	GMC	416654	22210	GARLK	473243	222571	CLARK	471413!	2231071	GMC	472636!
221490	NATL	14X35X7	222101	HOUGH	416107!	222580	TIMKE	222580	22311	C-R	722109
2215	MID-R	471466!	222101H1	IH	416107!	22260	C-R	57X92X8!	223112	C-R	473214
22150	MICH	471579	222110	HOUGH	412119!	2226149	CHRY	323138!	223112M1	C-R	473214
22150	UNIVE	471579*	222117	HOUGH	410308!	22261VB	TRSCM	341022	223114	C-R	473016!*
221503	CLARK	471868	222120	HOUGH	472397!	22262	C-R	57X92X8*	223116	C-R	470625!
221510	NATL	15X25X6	222124	C-R	450400*	222630	TIMKE	222630	223116M1	C-R	470625!
221510	TIMKE	221510	2221481	GMC	471689!	222650	NATL	26X47X7	223124	C-R	450400*
221518R91	IH	472560N!	222182	CLARK	412473!	2226530	GMC	415351!	22313TB	TRSCM	471138!
221520	NATL	15X26X7	222183	CLARK	417316!	2226549	GMC	415995!	2231431	GMC	472258
221540	NATL	15X30X7	2221RC	SUL	415302	222655	TIMKE	222655	22317	GARLK	471138!
221540	TIMKE	221540	2222	SHOV	415036	222660	KEN	415073N=	223184PTB	TRSCM	410737!
221550	NATL	15X32X8	2222	TIMKE	2222	2226696	GMC	415458!	2231D	GOODM	415960!
221551	JEFF	471765!	2222	UNIVE	6922=	222714	ALLCH	470950!	2232	CARDX	450456!
221560	NATL	15X35X7	222208	ALLCH	416125!	222714	ALLCH	6241S	223207XX	TIMKE	22X32X7
22159	GARLK	473204	222210	NATL	22X32X7	2227339	GMC	411376!	223210	TIMKE	223210
221592R91	IH	40316S	222210	TIMKE	222210	222742	TIMKE	222742	2232123	CHRY	5M867
2216	MID	471267!	222220	NATL	22X35X7	222743	TIMKE	222743	223215	TIMKE	223215
2216	MID-R	471267!	222220	TIMKE	222220	222745	TIMKE	222745	223220	TIMKE	223220
221607	TIMKE	221607	222230	ALLCH	471765!	222768	CLARK	415991	22322VAY	TRSCM	40316S
221610	TIMKE	221610	2222374	GMC	471791	222768	CLARK	415991!	22323	C-R	471341!
2216104	GMC	481568!	222238	TIMKE	222238	2227716	CHRY	474276!	223230	SPG	32X45X7
221620	NATL	16X30X7	22224	C-R	1964	222820	TIMKE	222820	223230	TIMKE	223230
221620	TIMKE	221620	222240	TIMKE	222240	222828	CLARK	476470	223235	TIMKE	223235
221640	NATL	16X35X7	222242	TIMKE	222242	22282VH	TRSCM	43034S	22324	C-R	411452=
22168D	IH	415072	2222423	GMC	471267!	222830	TIMKE	222830	223240	TIMKE	223240
22170	C-R	50631	22225	C-R	1984	222835	TIMKE	222835	2232415	GMC	5452 \$
22171	GARLK	470898	2222591	GMC	415991	22284	C-R	710086	22324TA	TRSCM	472636
221710	TIMKE	221710	2222591	GMC	455146!	222860	TIMKE	222860	22325	C-R	43034S
22171HA	IH	417181!	222260	PACIF	415073N=	222867	KEN	9555S	223250	TIMKE	223250
22171X	MASSE	415960	222267	TIMKE	222267	222867	PACIF	9555S	223252	TIMKE	223252
221720	NATL	17X30X7	222270	NATL	22X47X7	2228694	GMC	370023A	223253	TIMKE	223253
221720	TIMKE	221720	222270	TIMKE	222270	222878	OILGR	473313	223255	SPG	32X52X7
221730	NATL	17X32X7	222272	FORD	481792	222880	NATL	28X52X7	223255	TIMKE	223255
221730	TIMKE	221730	222273	FORD	471192	2229	NATEN	416137	22325SA	TRSCM	472636
221735	TIMKE	221735	22230	C-R	710072	22293	LAVIN	474276!	22327	C-R	471341!
22175	C-R	7568	222309	WOOL	415991	2229540	GMC	455037	22328	C-R	453613*
221760	NATL	17X40X7	222310	TIMKE	222310	222A14704	TROS	6840S	223297	NEHO	471271!
2218	NATL	415379!	222330	TIMKE	222330	222A147X07.5	TROS	481537	2232D	GOODM	416706!
2218	TIMKE	415379	222340	TIMKE	222340	222R	TIMKE	222PKG	22330	C-R	471341!
221810	SPERY	471413	2223597	GMC	417506	223	CHEL	471760	22331	C-R	471341!
221820	TIMKE	221820	222375	MICH	455151	2230	NATEN	416339	22332	C-R	471341!
221830	NATL	18X32X8	222375	UNIVE	455151	2230	NATEN	455031!	22332R	DIA	470898!
221830	TIMKE	221830	222387	UNIVE	455008*	223005	SPG	30X40X7	22333	C-R	471341!
22186	GARLK	472015!	222388	MICH	455008	223005	TIMKE	223005	22333	GMC	417536
221870	NATL	18X40X7	22240	C-R	57X81X8*	223010	TIMKE	223010	22333TB	TRSCM	412920!
2218RC	SUL	415458!	222407	KEN	456483=	223012	TIMKE	223012	22333TBN	TRSCM	412920!
221920	TIMKE	221920	222408	KEN	456305	223014	TIMKE	223014	22333VB	TRSCM	412920
221922	TIMKE	221922	222408	PACIF	456305	223015	NATL	223014	22334	C-R	471341!
221925	TIMKE	221925	222409	PACIF	254287	223018	TIMKE	223018	223340	TIMKE	223340
22196X	IH	473231	222410	NATL	24X35X7	223020	NATL	30X47X7	22334SA	TRSCM	412920
22196X	MASSE	473231	222410	TIMKE	222410	223020	SPG	30X47X7	22334TA	TRSCM	412920!
22198	GARLK	472016!	222430	TIMKE	222430	223020	TIMKE	223020	223354TA	TRSCM	411253
2219RC	SUL	411394!	22245	C-R	1928*	22302TA	TRSCM	471272!	22338	C-R	471341*
221R	TIMKE	221PKG	222450	TIMKE	222450	22302VHY	TRSCM	40520S	22338	C-R	471341!
222020	NATL	20X32X7	222455	NATL	24X47X7	22303	GARLK	471272!	22339	C-R	471341!
222020	SPG	20X32X7	22250	C-R	1928	223035	TIMKE	223035	2234	ALLCH	471570!
222020	TIMKE	222020	222510	TIMKE	222510	2230357	SPG	30X52X7	22340	C-R	471341!
222025	SPG	20X30X7	222510	WMG	1998	22303VTB	TRSCM	471272	223400	TIMKE	223400
222025	TIMKE	222025	2225342	GMC	471442!	223042H1	IH	470530	22341	GARLK	412920!
222028	TIMKE	222028	222535	TIMKE	222535	223042R95	IH	470530=	223410	TIMKE	223410
222030	TIMKE	222030	222539	ALLCH	473424!	22304TA	TRSCM	471272	2234133	IVECO	713132
222036	TIMKE	222036	222540	ALLCH	473444	223050	TIMKE	223050	223420	TIMKE	223420
222050	TIMKE	222050	222540	SPG	25X40X7	22306	C-R	341022	2234377	GMC	370012A
222060	TIMKE	222060	222540	TIMKE	222540	22306	FMC	472150	2234378	GMC	370012A

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
223440	TIMKE	223440	223805	TIMKE	223805	2241142	GMC	240731	224388	MICH	415960!
22345	C-R	471341!	223807XX	TIMKE	22X38X7	2241143	GMC	240736	22440	C-R	472636!
22346	C-R	471341!	223808XX	TIMKE	22X38X8	22412404	TROS	473215!	224400	TIMKE	224400
2234866	CHRYSL	417316!	22382	C-R	473473	22412408	TROS	473215!	224400	UNIVE	416706!
22349	C-R	471272*	223820	NATL	1174	22412411.25	TROS	473215!	22440MA	IH	476838!
22349	C-R	471272!	223820	NATL	38X52X8.5!	22412808	TROS	473225!	22441	C-R	472636!
2234D	GOODM	416282	223830	TIMKE	223830	22413	C-R	410737!	22442	C-R	472636!
22350	C-R	471272!	223830	WMG	223832	22413204	TROS	470380!	224425	UNIVE	416282
2235018	GMC	5778	223831	TIMKE	223831	22413206.25	TROS	470380!	22443	C-R	472636!*
223507XX	TIMKE	22X35X7	223832	NATL	223830	22413208	TROS	470380!	22443	TMTR	473232!
2235082	GMC	416888!	223832	NATL	38X55X7!	22413209	TROS	470380!	22444	C-R	472636!
22351	C-R	40520S	22384	C-R	473473*	22413212	TROS	410059	22445	C-R	472636!*
223510	SPG	35X47X7	22384	HI-EQ	471413!	22413212	TROS	470380!	224450	TIMKE	224450
223510	TIMKE	223510	223840	TIMKE	223840	22413604	TROS	40438S	22446	C-R	472636*
2235140	CHRYSL	450400	223842	TIMKE	223842	22413606.5	TROS	472299	22446	C-R	472636!
223520	NATL	35X50X8!	223843	TIMKE	223843	22413608	TROS	472299	22446	GARLK	413247!
223520	TIMKE	223520	22385	C-R	473473	224139X04	TROS	1192	224460	TIMKE	224460
22353	C-R	471272!	2238502	GMC	5410\$	22414	C-R	410737!	224462	SPG	44X62X8
223535	TIMKE	223535	2238542	GMC	5473\$	22414004	TROS	473231!	224462	TIMKE	224462
223538	CLARK	415483	2238543	GMC	5408	22414008	TROS	473231	2244627	GMC	5452
22354	C-R	471272!	22388	LAVIN	473426	22414404	TROS	473233!	224464	TIMKE	224464
223540	TIMKE	223540	223880C1	CASE	472843	22414408	TROS	473233!	224465	TIMKE	224465
223542	TIMKE	223542	2238860	CHRYSL	417487!	22414807	TROS	473237	22447	C-R	472636!
223543	TIMKE	223543	2238860	CHRYSL	417487	224150	TIMKE	224150	224470	TIMKE	224470
2235490	CHRYSL	415995!	2238860	GMC	417487!	224156	CINMI	415076	22448	C-R	472636!
22354TA	TRSCM	411376!	2238860	GMC	417487	22415HA	IH	411253!	22448	C-R	472636*
22355	C-R	471272!	22389	LAVIN	471504!	22417	C-R	410737!*	22449	C-R	712512
223550	TIMKE	223550	2238916	GMC	470530!	22418	C-R	410737!*	224507XX	TIMKE	22X45X7
223552	NATL	35X62X7!	2238917	GMC	472179	2241RC	SUL	470682	224510	TIMKE	224510
223552	SPG	35X62X7*	22390	C-R	473473	224200S	TIMKE	224200	224520	TIMKE	224520
223552	TIMKE	223552	22391	C-R	473473	224205	TIMKE	224205	224526X	GAL	JV1999=
223553	TIMKE	223553	2239124	CHRYSL	416654	224207XX	TIMKE	22X42X7	224530	NATL	1012
223554	TIMKE	223554	22392	C-R	473473*	224210	SPG	42X55X8	224530	NATL	1012N
223555	TIMKE	223555	22393	WOOL	417159	224210	TIMKE	224210	22454	C-R	1932
22356	C-R	471272!	22394	C-R	473473	224210XX	TIMKE	22X42X10	224558	ALLCH	471442!
22358	C-R	471272*	22396	C-R	473473	224215	TIMKE	224215	22455806	ALLCH	471442!
22358	C-R	471272!	22397	C-R	473473	22422	C-R	410737!*	224560	TIMKE	224560
223580	TIMKE	223580	22399	C-R	471138!	22422	GARLK	470565!	224570	TIMKE	224570
22359	C-R	471272*	223R	TIMKE	223PKG	224220	TIMKE	224220	224577	CLARK	417316=
22359	C-R	471272!	22400	C-R	471138!	224235	TIMKE	224235	224583	JEFF	415034!
22359	HI-EQ	471570!	224007XX	TIMKE	22X40X7	22424	C-R	410737!	22459	US-EL	471504!
223601	TIMKE	223601	224008XX	TIMKE	22X40X8	22425	C-R	3095	2245J-36	ROCKW	JV1869=
223602	TIMKE	223602	22400PTB	TRSCM	722250	22425	C-R	410737!	2245J10X	GAL	JV1978=
223605	TIMKE	223605	22401	C-R	471138!	224250	TIMKE	224250	2245Y-51	ROCKW	JV2038=
223606	TIMKE	223606	224010	TIMKE	224010	224252	TIMKE	224252	2245Z26	GAL	JV1999=
223607XX	TIMKE	22X36X7	224015	TIMKE	224015	224254	TIMKE	224254	22460	C-R	472636!*
223608	TIMKE	223608	22402	C-R	471138!	224255	TIMKE	224255	22461	C-R	472636!*
22361	C-R	471272	224020	TIMKE	224020	22426	C-R	410737!	22461	GARLK	416271!
223610	TIMKE	223610	224025	TIMKE	224025	224266	TIMKE	224266	22462	C-R	472636!
223613	CLARK	471267!	224026	TIMKE	224026	22427	C-R	410737!	2246311	SPICE	472924!
22362	C-R	471272!	22403	C-R	471138!	224270	TIMKE	224270	2246312	SPICE	473473
223620	TIMKE	223620	2240314	GMC	410825	224285	CLARK	3439N=	2246313	SPICE	472015!
2236217	GMC	7840S	22404	C-R	471138!	224286	CLARK	470334=	2246314	SPICE	472012
2236257	GMC	415458	22404	LAVIN	471733	224287	CLARK	470898=	224637	SPICE	411253!
22363	C-R	471272	224040	SPG	224040	22430	C-R	200763*	224638	CLARK	410308!
22364	C-R	40520S	224040	SPG	40X60X10!	2243081	GMC	416130!	224642	ALLCH	471554!
22368	C-R	40520S	224040	TIMKE	224040	22431	CLARK	330385!	224644	ALLCH	471224!
2236978	GMC	7412S	224045	SPG	40X62X12	224320	TIMKE	224320	22465	C-R	40316S
223707A	HARWA	22X37X8	224045	TIMKE	224045	22433	C-R	472636!	224650	TIMKE	224650
223707XX	TIMKE	22X37X7	224052	TIMKE	224052	22434	C-R	472636!	2246580	GMC	5408
223708A	HARWA	22X37X7!	22406	C-R	471138!	22434	GARLK	413246	224660	TIMKE	224660
223708A	HARWA	22X37X8!	224063	TIMKE	224063	224348	US-EL	472185!	224662	TIMKE	224662
22371	C-R	352637	224066	TIMKE	224066	22436	C-R	473245!	224663	TIMKE	224663
22372	C-R	352637	224068	TIMKE	224068	224362	MICH	415984!	22468	C-R	40316S
223725	KEN	415371	22407	C-R	471138	224362	UNIVE	415984!*	224687	ALLCH	473424!
22375	C-R	473473	22408	C-R	471138!	2243649	GMC	5410	22472	C-R	472636!
223750	TIMKE	223750	22409	C-R	471138!	2243649	MOHWK	5410	22474	C-R	456837V
22379	C-R	473473	22409	LAVIN	474278!	22437	C-R	472636!	22476	C-R	472636!
22380	C-R	473473	2240929	GMC	471765!	224375	MICH	417316!	22477	C-R	472636!
223800	TIMKE	223800	2241	FED	450332	224375	UNIVE	417316!	224772	CINMI	417604
223801	TIMKE	223801	22410	C-R	471138!	22438	C-R	472636!	224772	TIMKE	224772
223802	TIMKE	223802	224100	TIMKE	224100	224387	UNIVE	415960!	224777	ALLCH	240151

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
224779	ALLCH	470950!	225086	SPG	417487!	22531277	GMC	320259	22574	C-R	455136*
224779	ALLCH	6241S	225086	SPG	417487	225316	CLARK	472164!	22575	C-R	411376!
22477908	ALLCH	470950!	225091	AUTOZ	35327	22531F	DIA	417484!	2257527	GMC	5951
22477908	ALLCH	6241S	22510	C-R	411253!	22532	C-R	412920!	22576	C-R	455136
22480	C-R	472636!	22511	C-R	411253!	22533550	GMC	710329	225763	CLARK	416404=
224810	ALLCH	471192	225110	C-R	473212!	225349	CLARK	471341!	225764	CLARK	415025=
224810	TIMKE	224810	225110	TIMKE	225110	225351	CLARK	416271=	225767	ALLCH	473444
2248112	GMC	50199S!	225111	C-R	50168	22536	GARLK	471271!	22577	C-R	455136
2248112	GMC	6863S!	225111	CLARK	415458!	2253622	GMC	472015!	225775	TIMKE	225775
224815	TIMKE	224815	225112	C-R	473214	22540	C-R	412920!	225782	CLARK	416289N=
22482	C-R	472636!	225112	CLARK	473214!	225409	CINMI	471554!	2258	MID	473227
224820	NATL	1188	225112	GOODM	473214	22541	C-R	412920!	2258	MID-R	473227
224820	TIMKE	224820	225112M1	C-R	473214	225410	TIMKE	225410	22580	C-R	411376!
224820	WMG	1954	225114	C-R	473016!	225419	CINMI	473238	225805	ALLCH	5MR1301
22483	C-R	44052	225114	GWJ	473016!	225420	TIMKE	225420	225806	ALLCH	42260S
224830	NATL	224820	22511514	GMC	8660S	225450	ALLCH	471835!	22581	C-R	411376!
224831	NATL	1969	225116	C-R	470625!	225450	CLARK	471835!	22582	C-R	411376!
224835	TIMKE	224835	225116M1	C-R	470625!	225450	TIMKE	225450	225823	CLARK	470565=
22484	C-R	454136N	225117	CINMI	471344!	22545259	GMC	40375	225826	CLARK	410825
224840	TIMKE	224840	225118	C-R	471571	22545260	GMC	320259	2258269	GMC	417541
22485	C-R	411253!	225119	ALLCH	472354!	225460	SPG	54X82X10	22583	C-R	411376!
224850	NATL	48X72X7!	22512	C-R	411253	225460	TIMKE	225460	225834R91	IH	474278!
224850	TIMKE	224850	22512	C-R	411253=	225461	CLARK	473224=	225835R91	IH	474278!
22486	C-R	411253!	225124	C-R	450400	225477	CLARK	471267!	22584	C-R	411376!
224865	TIMKE	224865	225124	CLARK	450400	22548	GARLK	470605!	225844	ALLCH	450984
224870	TIMKE	224870	22512853	GM	411	22550	C-R	412920	22585	C-R	411376!
224872	TIMKE	224872	225132	AUTOZ	35507	225500	TIMKE	225500	225851	CLARK	416271=
224874	TIMKE	224874	225133	AUTOZ	35508	225502	HYST	473228!	225852	CLARK	416024=
22490	C-R	411253!	22514	C-R	450604	225505	TIMKE	225505	225856	CLARK	471281!
224914	ALLCH	240356	225141	AUTOZ	35524	22551	GARLK	415449!	22587	C-R	5521
22492	C-R	411253!	225142	AUTOZ	35526	225510	AUTOZ	35418	225870	NATL	225872
22493	C-R	411253!	225146	SPG	415146!	225530	NATL	55X72X8!	225872	NATL	58X72X8
22494	ALLCH	240356	225146	SPG	415991	225530	TIMKE	225530	225872	TIMKE	225872
22494	C-R	411253!*	225147N	SPG	415449!	225535	TIMKE	225535	225874	TIMKE	225874
224955	ALLCH	240414	225149	AUTOZ	35547	22554	C-R	412920!	2258746	GMC	415138!
224979	TIMKE	224979	22515	C-R	411253!	225540	TIMKE	225540	225875	TIMKE	225875
22498	C-R	411253!	225150	AUTOZ	35548	225545	TIMKE	225545	225877	TIMKE	225877
224A13208	TROS	470380!	225154	AUTOZ	35555	22555	C-R	412920!	225880	NATL	58X80X8
224A13208	TROS	472189A!	225159	AUTOZ	35608	225550	NATL	55X80X8	225880	TIMKE	225880
224A132X12	TROS	9613S	22516	C-R	474255	225560	NATL	55X85X10	2258893	GMC	370005A
224B12406	TROS	9568	225161	CLARK	415991	22557	C-R	412920!	2258907	GMC	370005A
224B13606.5	TROS	472299	225161	CLARK	415991!	22557	GARLK	415449!	2259040	GMC	415058
224FF116	C-R	470625!	22516M1	C-R	474255	22558	C-R	412920!	225909	CHRYSL	416706=
224R	TIMKE	224PKG	22517	C-R	411253!	22559	C-R	412920!	225909	CLARK	416706
225003	SPG	415458!	225177	CLARK	415458	22560	C-R	412920!	225928	CINMI	473232
225005	TIMKE	225005	22518	C-R	450165	22561	C-R	412920!	225929	CLARK	471224!
225008	TIMKE	225008	22518	C-R	471801	225615	SPERY	473237!	2259318	GMC	5406
225010	NATL	1209	22518	CABOT	450165	22562	C-R	712512+99229	225940	CINMI	471224!
225010	TIMKE	225010	22518	CABOT	471801!	22563	C-R	200929	2259540	GMC	455037
225010	WMG	5770	22518	GOODM	450165	225643	AUTOZ	72665	225957	CLARK	473010
225019	MIHLE	416476!	22518	GOODM	471801!	2256492	GMC	370002A	2259657	GMC	417506
225019R	ROCKW	416476!	22518	GR-DV	450165	2256494	GMC	6754S=	2259662	GMC	370019A
225020	MIHLE	455576!	22518	GR-DV	471801!	2256495	GMC	370002A	22597	C-R	411376!
225020	TIMKE	225020	22518M1	C-R	450165	22565	C-R	41075S	2259713	GMC	370002A
225020R	ROCKW	455576!	22518M1	C-R	471801	225650	NATL	56X72X11.5	2259995	GMC	416271!
225030	TIMKE	225030	22519	C-R	473212!	225650	TIMKE	225650	225R	TIMKE	225PKG
225035	TIMKE	225035	225193	PACIF	416892!	22567	C-R	41075S	225W112	C-R	473214
225040	TIMKE	225040	22510S	JN-MN	417247!*	225673	TIMKE	225673	225W112-M1	C-R	473214
22504915	GM	421	225208	SPG	52X65X9	225678	TIMKE	225678	225W116	C-R	470625!
225050	NATL	50X80X8	225208	TIMKE	225208	225685	CLARK	450400	225W116-M1	C-R	470625!
225050	TIMKE	225050	225210	TIMKE	225210	22569	GARLK	416273	225W16	C-R	474255
225051	AUTOZ	TCS45968	225220	NATL	1884	22569X	SPICE	472560N	225W16M1	C-R	474255
22505150	GMC	8660S	225220	SPG	52X68X8	22570	C-R	455136	225W18	C-R	450165
2250534	GMC	471103!	225220	TIMKE	225220	22571	C-R	455136	225W18	C-R	471801
2250582	GMC	412119	225225	TIMKE	225225	2257151	GMC	417353!	225W18M1	C-R	450165
22506	C-R	411253!	225227	NATL	225650	225727	CLARK	471766!	225W18M1	C-R	471801
225068	AUTOZ	35011	225230	TIMKE	225230	225731	CINMI	417621!	2260	TIMKE	2260
225074	AUTOZ	35127	225275	TIMKE	225275	225732	CINMI	415187	226001	TIMKE	226001
225075	CLARK	470954*=	225278	TIMKE	225278	225733	CINMI	470059	226010	NATL	60X75X8
225082	TIMKE	225082	225281C91	IH	417349!	225733	CINMI	470380!	226015	TIMKE	226015
225084	AUTOZ	35300	22529188	GMC	40375	225736	CASE	471554!	226017	CLARK	417474
225085	AUTOZ	35301	2253	UNIVE	472397!	225737	CINMI	471649!	226018	TIMKE	226018

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22602	C-R	411376!	226610	TIMKE	226610	227572	ALLCH	5128N	22814014.5	TROS	473367
226020	SPG	60X80X8	226620	ALLCH	6759S	227610	TIMKE	227610	22814405	TROS	473445
226020	TIMKE	226020	2266378	CHRY5	8121S	2276335	GMC	470530!	22814407.5	TROS	473445
226021	CLARK	473234 =	226672	OILGR	450457	227662	CLARK	415035 =	22814804	TROS	43071S
226040	NATL	60X85X8	226673	OILGR	50528	227677	ALLCH	414268!	22814804.5	TROS	471504
22604X	MASSE	450400	2266839	CHRY5	6960	227679	ALLCH	472299 =	22814806	TROS	471504!
22605	C-R	411376!	2266894	CHRY5	8597S	22767905	ALLCH	472299 =	22814807.5	TROS	471504!
226055	CLARK	471689!	2267129	CHRY5	7188S	2276796	GMC	473231	22815	C-R	225872
226056	CLARK	471442!	2267156	CHRY5	7214	2276798	GMC	473454	22815	C-R	58X72X8!
22605X	MASSE	416404!	2267583	GMC	417596	22767D	IH	450040	22816	C-R	225872
22606	C-R	411376!	2267915	GMC	350435	22770	GARLK	415303!	22816	C-R	58X72X8!
226072	CLARK	410694!	22679M	IH	474264	2278189	GMC	415449!	22817	C-R	58X72X8V!
2260834	CHRY5	8121S	2268	GOODM	471466!	22782	GARLK	417344!	228176	ALLCH	5246
226099	CLARK	410496!	22680M	IH	473419	227830	NATL	78X100X10	22818	BR-WN	415294!
2261	TIMKE	2261	226820	TIMKE	226820	227841	ALLCH	471570!	22818	C-R	58X72X8
226101	CLARK	472705!	22683	GARLK	416664!	22785	CHERY	416444	22819	BR-WN	450400
226127	CLARK	471870!	226830	NATL	68X90X10	227850	ALLCH	410059	22819	C-R	710136
226128	CLARK	470774!	226840	TIMKE	226840	227850	ALLCH	470380!	228192	ALLCH	473435
22613708.25	TROS	450666	226850	NATL	68X100X13	2278653	GMC	340400	2282068	GMC	471192
226137X08	TROS	450666	2268921	CHRY5	13338	22789	CHERY	473228	22821	C-R	710183
22614	C-R	3095	2268RC	SUL	471466!	2279	NATL	3894V	22822	C-R	225875*
226147	ALLCH	415995!	2269	NATEN	416229	22791	CHERY	473016!	22822	C-R	58X75X11!*
226150	TIMKE	226150	226938R91	IH	7866S	22791	GARLK	471758!	2282265	GMC	415483
22616	C-R	415234!	226940	CLARK	412119	22791X	MASSE	471758!	22823	C-R	225875
226169	CLARK	471141 =	226942	CLARK	416404 =	2279997	CHRY5	471538	22823-61A01	SUZUK	473179
22617	GARLK	413248	226944	CLARK	416024 =	227R	TIMKE	227PKG	22824	C-R	225875
22618	C-R	415234!*	226961	CLARK	412473 =	228005	TIMKE	228005	22824	C-R	58X75X11!
22619	C-R	415234!*	22698	GARLK	415984!	228008	TIMKE	228008	228247	ALLCH	340724!
2261VGR	SPG	2261	226A14703	TROS	8705S	228009	TIMKE	228009	228250	TIMKE	228250
22622	C-R	415234!*	226A15403.75	TROS	291295	228010	TIMKE	228010	22826	C-R	710129
22623	MASSE	471763	226A15603.75	TROS	7934S	228012	FMS	80X100X10!	22826X	MASSE	470625!
22623X	MASSE	471763	226B15604	TROS	353120	228012	TIMKE	228012	22827	C-R	225880
22625	C-R	415234	226R	TIMKE	226PKG	228015	TIMKE	228015	22827	C-R	58X80X8!
22626	C-R	415259!*	227006R91	IH	471413!	228020	ALLCH	411376!	228277	ALLCH	474256
22628	C-R	415234!	227020	TIMKE	227020	228020	TIMKE	228020	22827X	MASSE	470059
226285	TIMKE	226285	227040	TIMKE	227040	228030	NATL	80X110X12	22827X	MASSE	470380!
226290	NATL	62X90X10	227045	TIMKE	227045	228030	TIMKE	228030	22828	C-R	4408*
22630X	MASSE	450068	227050	NATL	70X95X13	2280659	GMC	6592S =	22828	C-R	58X80X8!*
22632	C-R	415259!	227060	NATL	70X100X13	22808	C-R	710439	22829	C-R	58X78X8
22632	GARLK	415483	22710	GARLK	417316!	22809	VICK	5711	22830	C-R	205035
2263635	GMC	417181!	227114R91	IH	418028	22810	VICK	416167!	22831	C-R	225880*
2263700	GMC	6846S =	227114R91	IH	455137!	22810807.5	TROS	450332	22831	C-R	58X80X8!*
2263701	GMC	417210!	22714907.5	TROS	6936S	22810X	MASSE	340356	228313KB	TRSCM	493291
2263712	GMC	416271!	227154	CLARK	412473 =	22811	VICK	415991	22832	C-R	225880
226375	MICH	455005	227160075	TROS	470409!	22811	VICK	455146!	22832	C-R	58X80X8
226375	UNIVE	455005	227160075	TROS	50409	228110	C-R	40769S	22833	C-R	225880
226387	UNIVE	417485*	227178	CINMI	470712!	228112	C-R	50402	22833	C-R	58X80X8V!
226388	MICH	417485	2271832	GMC	474278!	2281207.5	TROS	474254	22834	C-R	225880*
226400	UNIVE	475384*	227189	CINMI	417316!	22812	GARLK	416921!	22834	C-R	58X80X8!*
2264076	GMC	6245S =	22719	GARLK	415960	22812	HI-EQ	472164!	22835	C-R	493291
2264272	GMC	473447	2272	UNIVE	6245S =	228122	CLARK	417316 =	22835X	MASSE	471758!
2264274	GMC	415458!	227221	CINMI	415047	22812404	TROS	470950!	22836X	MASSE	50081
2264287	GMC	470565!	227230	NATL	72X95X10	22812404	TROS	6241S	228375	MICH	417344!
22644	C-R	55337*	227235	TIMKE	227235	22812404.75	TROS	6241S	228375	UNIVE	417344!
22644	GARLK	415458!	227240	NATL	72X100X12	22812407.5	TROS	470950!	228375SLT	MICH	417344!
22645	C-R	55337	227272R91	IH	415449!	22812407.5	TROS	6241S	22837X	MASSE	415007
22647	C-R	415254*	227338R91	IH	100495	22812409	TROS	470950!	228385	CLARK	415483
22648	C-R	415254	227338R91	IH	417349	22812409	TROS	6241S	228387	UNIVE	417158!
226480	TIMKE	226480	22734X	MASSE	473225!	22812804	TROS	6966S	2283871	GMC	JV1210 =
226481	FMS	64X80X8	227409	TIMKE	227409	22812805	TROS	6966S	2283872	GMC	5403
22651	C-R	5921	227410	TIMKE	227410	22812807.5	TROS	474264	228388	MICH	416404!
226510	TIMKE	226510	22742	C-R	39821	22813	C-R	58X72X8V	22840	C-R	710136
226515	FMS	65X80X8	22745	GMC	470712!	22813204	TROS	7886S	228400	MICH	416921!
226520	TIMKE	226520	22746X	MASSE	415007	22813207.5	TROS	471820	228400	UNIVE	416921!
22653	C-R	722250	2274887	GMC	470565!	22813604	TROS	471821!	22841	C-R	225875
226530	SPG	65X90X10	2274890	GMC	410737!	22813607.5	TROS	471821!	228410	TIMKE	228410
226530	TIMKE	226530	227530	TIMKE	227530	22813807.5	TROS	473232!	228412	UNIVE	417134
226550	NATL	65X100X10	2275322	ALLCH	6863S!	22814	C-R	710439	228413	MICH	417134
22656	GARLK	417343!	2275398	GMC	418028	22814007	TROS	473367!	2284159	GMC	6638S
2265811	CHRY5	8133S	227540	TIMKE	227540	22814007	TROS	473367	22845	C-R	710144
2265D	GOODM	474277	227550	TIMKE	227550	22814007.5	TROS	473367	228480	TIMKE	228480
22660	C-R	55268	2275550	VICK	418028	22814007.5	TROS	473367!	22849	C-R	58X85X10

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22840S JN-MN		416404!*	229510 NATL		95X120X12	23 WGEAR		471646!	230947 VIC		J1124
228500 FMS		716102	229520 TIMKE		229520	2300 TIMKE		2300	2309480 GMC		417484!
22851 C-R		58X85X10!	2295401 GMC		5405	23000 FUNK		472572!	23095 C-R		411394!
228520 NATL		85X110X12	2295935 GMC		415064	2300768 EATON		472164!	23095 CLARK		412861
228520 SPG		85X110X12	2295936 GMC		370021A	230083 SPG		472924!	230954 CLARK		412861
228520 TIMKE		228520	22964 PERSN		471766!	23009 GARLK		417349!	23096 C-R		411394!
228540 NATL		85X120X12	2296526 GMC		471787!	230101N SPG		412119	23097 C-R		411394!
228547 CLARK		472258	22966 VICK		472409!	230106 FWD		370001A	230D4 WHITE		472144!
22859 C-R		58X88X8	22967 VICK		416865!	23010610 GMC		340847	230R TIMKE		230PKG
22850S JN-MN		415001!	2296767 GMC		471529	23013719 GMC		473367	230X260X15 FORSH		230X260X15
2286 TIMKE		2286	22969 VICK		472409	23014004.75 TROS		6283S	230X260X15 SIMRT		230X260X15
2286140 GMC		5711	2297 NATL		39807	23015352 GMC		417495	230X260X15SC TRSCM		230X260X15
2286162 GMC		470954!	2297 WMG		5231	23015975 GMC		473179	230X260X15TC TRSCM		230X260X15
2286171 GMC		416167!	229725 ALLCH		471570!	23016199 GMC		456621V=	231002 TIMKE		231002
22869 C-R		58X90X10	229727 ALLCH		471570!	23016947 GMC		487397V	231003 NATL		100X125X12
2286911 GMC		471766!	2297HX SPG		2297	23018 GARLK		417350!	231003 TIMKE		231003
22860S JN-MN		415035!	2297V TIMKE		2297V	2301820 GMC		416888!	231004 TIMKE		231004
22860S JN-MN		415035	2298288 GMC		5313	230183 MARMO		472179	231005 FMS		100X130X12!
2287 TIMKE		470954	229859 CLARK		472082	230183N SPG		472179	23104 GARLK		417621!
22870 C-R		204035	2299 UNIVE		471192	23018538 GMC		415073V=	231052 SPICE		J1128
228700 TIMKE		228700	229967 ALLCH		410059	230186 FWD		370001A	231052 TIMKE		231052
22878 C-R		710268	229967 ALLCH		470380!	2302139 GMC		416167!	231052 VIC		J1128
22881-60G10 SUZUK		710524	229985 CLARK		471271!	23026015A HARWA		230X260X15	231053 NATL		105X130X12
22881-82300 SUZUK		223831	229985 IH		471271!	23033 CASE		472258!	231058 NATL		105X140X12
228885-R91 IH		370007A	229995R91 IH		240731	23033 GARLK		415995!	231074 ALLCH		471652
22892 LAU		6863S!	229R TIMKE		229PKG	23035 C-R		442874	2311035 WOOL		470898!
2289513 GMC		6612S	22A2094 HEIL		415483!	230352 SPG		472164!	231104 NATL		110X130X12
228A10004 TROS		471516!	22A2291 HEIL		471538	230387 UNIVE		47159*!	23111 ALLCH		415995!
228A10005 TROS		471516!	22A2291 OLIVE		417538	23039 C-R		5585	23111 C-R		411394!
228A10807.5 TROS		473259	22A2383 HEIL		471267!	23040 C-R		411160V	23113 C-R		411394!
228A11605 TROS		471407	22A2385 HEIL		474278!	23040 KNICK		5751	231152 NATL		115X140X12
228A12404 TROS		471276	22A2450 HEIL		416865!	230400 MICH		416654!	231154 NATL		115X150X12
228A12407.5 TROS		471276	22HS376 OSHKO		417210!	230400 UNIVE		416654!	2311550 GMC		471466!
228A13204 TROS		471344	22X25261A JOHND		473474	230412 UNIVE		417486	23116 GARLK		416288!
228A13207.5 TROS		471344	22X25561A JOHND		473197	23041246 GMC		415073V=	23118FX OSHKO		470605!
228A13209 TROS		471344	22X26939A JOHND		J1267=	230413 MICH		417486	2311D5 WHITE		474278!
228A13215.5 TROS		471344	22X27558B JOHND		JX1386=	23042 GARLK		417351!	23120 C-R		411394!
228A13604 TROS		471827!	22X31X6AS ISP		22X31X6	230425 BENDI		471795	231204 TIMKE		231204
228A13608 TROS		471827	22X32X7SC TRSCM		222210	23044H IH		473463	231206 NATL		120X150X12
228A13608X TROS		471827	22X32X7SC TRSCM		22X32X7!	23045095 GMC		471224=	231208 NATL		120X160X12
228A136X12.5 TROS		471827!	22X32X7TC TRSCM		22X32X7	23045096 GMC		471224!	231217 ALLCH		415995!
228A14010 TROS		471829	22X35X7SB TRSCM		22X35X7	23045097 GMC		471472=	231250 TIMKE		231250
228A14012.5 TROS		471829	22X35X7SC TRSCM		22X35X7	23045344 GMC		471529	231255 NATL		125X160X12
228A14804 TROS		471831!	22X35X7TC TRSCM		22X35X7	230462R91 IH		417316!	231270 BENDI		471103!
228A14806 TROS		1012	22X36X7SC TRSCM		22X36X7	23046430 GMC		415073V=	2312737 GMC		474276!
228A14806 TROS		1012N	22X36X7TC TRSCM		22X36X7	23049496 GMC		4528N	2312879 GMC		240733
228A14807.5 TROS		471504!	22X37X7 SIMRT		22X37X8	23049636 GMC		4532N	2312883 GMC		471267!
228B14014 TROS		471829	22X37X7SC TRSCM		22X37X7	23049814 GMC		4529N	231296 CLARK		J1134
228B15804 TROS		8704S	22X37X7TC TRSCM		22X37X7	23049846 GMC		4530	23130 C-R		5924
228R TIMKE		228PKG	22X38X7AN(35) ISP		22X38X7	23050 C-R		43109S	231302 NATL		130X160X12
229 C-R		5414	22X38X8SC TRSCM		22X38X8	23056 C-R		472150	231302VB TRSCM		442874
229 ROCKW		370003A	22X38X8TC TRSCM		22X38X8	23061 C-R		472150	231305 CLARK		J1126
229004 TIMKE		229004	22X40X7SC TRSCM		22X40X7	23062 C-R		472150	231305 NATL		130X170X15
229005 TIMKE		229005	22X40X7TC TRSCM		22X40X7	23063 C-R		472150!	231324SA TRSCM		411394
229006 TIMKE		229006	22X40X8SC TRSCM		22X40X8	230630 ACF		473214!	231334 CLARK		416271!
229010 TIMKE		229010	22X40X8TC TRSCM		22X40X8	23064 C-R		472150	231335 CLARK		415138!
229030 NATL		90X120X12	22X42X10SC TRSCM		22X42X10	23065 C-R		472150	231336 CLARK		416339
2291 TIMKE		417621	22X42X10TC TRSCM		22X42X10	23068 C-R		472150	2313534 GMC		240731
229108 ALLCH		471958	22X42X7SC TRSCM		22X42X7	230689 ACF		473214!	23137 MICH		50026
22910908 ALLCH		415145N=	22X42X7TC TRSCM		22X42X7	23069 C-R		472150	23137 UNIVE		50026*
22918 VICK		470954!	22X45X7 SIMRT		22X45X7	23073 C-R		472150	23139 C-R		410694!
229210 TIMKE		229210	22X45X7SC TRSCM		22X45X7	230737 SPG		410737!	23140 C-R		410694!
229229 ALLCH		470625!	22X45X7TC TRSCM		22X45X7	230747 BENDI		471689!	231402 TIMKE		231402
229285R11 IH		5MR1009	22X47X7SC TRSCM		22X47X7	230747 GMC		471689!	231405 NATL		140X170X15!
229313VHY TRSCM		204035	22X47X7TC TRSCM		22X47X7	2307OS JN-MN		415064	231405 NATL		231404
2293240 GMC		471224	22X82740A JOHND		415066	230839 CLARK		416795N=	2314093 GMC		415371
229351 ALLCH		472409!	22X82741A JOHND		J1134	230851 ALLCH		471765!	2314094 GMC		416865
229367 CLARK		472164!	22Y618 GWI		470059	230874R91 IH		7600S	23143 GARLK		417171!
229367 CLARK		472164	22Y618 GWI		470380!	23092 C-R		411394!	2315000 FMC		455189
229372 ALLCH		471255!	22Y618 KEN		470059	23093 C-R		411394!	231502 NATL		150X180X12
2293807 GMC		471787!	22Y618 KEN		470380!	2309388 GMC		471413	23152 C-R		410694!*
2293979 GMC		456618	22Y815 GWI		415001!	230947 SPICE		J1124	23153 C-R		412119

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
23158	C-R	2320064	GMC	23286	C-R	23405	CONTI
23159	AUTOZ	2320312	GMC	232862	CLARK	23405	IH
23160	NATL	23206	HYST	2328694	GMC	23414012	TROS
231608	AUTOZ	232066	CLARK	2328694	GMC	2342	FALCK
231609	AUTOZ	232077	CINMI	23297	C-R	23420	C-R
231610	AUTOZ	23212006	TROS	23299	C-R	23425	C-R
231611	AUTOZ	23212404	TROS	232995	CLARK	23425	C-R
231614	AUTOZ	23212408	TROS	232A14404.5	TROS	23426	C-R
231616	AUTOZ	23212808	TROS	232A15607	TROS	23427	C-R
231617	AUTOZ	23213204	TROS	232A15607C	TROS	23428	C-R
231619	AUTOZ	23213205	TROS	232B12405	TROS	23429	C-R
231622	AUTOZ	23213207	TROS	232E14006	TROS	23420S	JN-MN
231623	AUTOZ	23213208	TROS	232E14006C	TROS	23430	C-R
231624	AUTOZ	23213209	TROS	232R	TIMKE	2343139	GMC
231625	AUTOZ	23213210.5	TROS	233	CARVR	2343139	GMC
231626	AUTOZ	23213211	TROS	233-S443173945	BENDI	234319	BENDI
231627	AUTOZ	23213212	TROS	233-S443173945	BENDI	23432	C-R
231628	AUTOZ	23213308	TROS	23300	C-R	234321	BENDI
231629	AUTOZ	23213604	TROS	23300	C-R	234322	BENDI
231630	AUTOZ	23213608	TROS	23300	C-R	23436	C-R
231631	AUTOZ	23213808	TROS	2330111	H-S	23436	C-R
231632	AUTOZ	23214004.5	TROS	2330114	H-S	23438	C-R
231635	AUTOZ	23214006	TROS	233012	H-S	23438	C-R
231636	AUTOZ	23214006C	TROS	2330120	H-S	23439	C-R
231637	AUTOZ	23214008	TROS	233014	CLARK	23440	C-R
231638	AUTOZ	23214012	TROS	233015	CLARK	23440	C-R
231640	AUTOZ	23214406	TROS	23302VH	TRSCM	23440	VIC
231641	AUTOZ	23214408	TROS	233064SA	TRSCM	23441	C-R
231642	AUTOZ	23214409	TROS	2330B	GOODM	23442	C-R
231643	AUTOZ	23214412	TROS	2330C	GOODM	23442	C-R
231644	AUTOZ	232144X10	TROS	233124	C-R	23443	C-R
231645	AUTOZ	23214804	TROS	23315606	TROS	23444	C-R
231646	AUTOZ	23214806	TROS	233156X06	TROS	234449R91	IH
231648	AUTOZ	23214806.5C	TROS	23317	MALL	23445	C-R
231649	AUTOZ	23214808	TROS	23317	MALL	23446	C-R
231651	AUTOZ	23214810	TROS	233186	BRCWY	23447	C-R
231652	AUTOZ	23214812	TROS	2332303	GMC	23447	C-R
231653	AUTOZ	232148X08	TROS	233241	CLARK	23449	C-R
231655	BRCWY	23216004.5	TROS	23324PSB	TRSCM	23450	C-R
231659	AUTOZ	23216006	TROS	2332D	GOODM	23451	C-R
23167	C-R	232173	ALLCH	233313VH	TRSCM	2345112	GMC
23169	C-R	23220004	TROS	23332VH	TRSCM	234512	CLARK
231705	NATL	232205	NATL	23332VH	TRSCM	234512	CLARK
231708	CLARK	23221	GARLK	23334PTA	TRSCM	23452	C-R
231717	CLARK	232220	HYST	233374SA	TRSCM	234521	SPERY
23172	VICK	2322621	GMC	233374TA	TRSCM	23453	C-R
231733	BRCWY	23236	GARLK	2334388	GMC	23456	C-R
23175	VICK	2323680	GMC	23344SA	TRSCM	23456	CLARK
231751	CLARK	232398	CLARK	23344TA	TRSCM	23458	C-R
23176	VICK	2324	CASE	23346	GARLK	23459	C-R
23176	VICK	23243	VICK	2334838	GMC	23460	GARLK
2317614	GMC	23255	C-R	2335152	GMC	234631	GMC
2317696	GMC	23264H	IH	23353PTB	TRSCM	234631	SPICE
231798	CLARK	23264HA	IH	2336	FALCK	23464	C-R
231805	NATL	23264HB	IH	2336	FALCK	23465	C-R
231811	HYST	232712	CLARK	2336132	GMC	234650	CLARK
23184	C-R	232714	ALLCH	2336333	GMC	234651	CLARK
231842	CLARK	2327142	ALLCH	23363TB	TRSCM	234653	CLARK
231843	CLARK	2327284	GMC	23364	GARLK	23466	C-R
23185	C-R	2327286	GMC	233773	CLARK	23466	VICK
2318576	GMC	2327401	GMC	2338	CONTI	23467	C-R
23186	C-R	2327401	GMC	23382	FWD	23468	C-R
23187	C-R	23275	GARLK	23384SA	TRSCM	2346838	GMC
231884	CLARK	23276	C-R	23385	NEWPR	23471	C-R
231901	GMC	23277	C-R	23385	NOK	2347192	GMC
231905	NATL	23278	C-R	23394	GARLK	2347294	GMC
2319067	GMC	232780	CINMI	2339F	IH	2347374	GMC
231950	HYST	2328067	GMC	233R	TIMKE	2347374	GMC
23199	VICK	2328068	GMC	234	CARVR	234761	CLARK
231R	TIMKE	2328069	GMC	234003	HYST	234761	CLARK
232-319	ELRNG	2328334	GMC	234013	ALLCH	23479	C-R
232005	NATL	23284	C-R	234047	HYST	234820	BENDI

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
23484	C-R	710276	23529603	ALLCH	480058N=	23644	C-R	473474	23706	C-R	412119* =
23486	C-R	60X105X8	2353016	GMC	6808N	23645	C-R	473474 =	23706	C-R	412119
23488	C-R	60X110X8	235312	ALLCH	417344!	23645	C-R	473474	23707	C-R	412119!
234939	CLARK	470898 =	23531202	ALLCH	417344!	23646	C-R	470565!	23708	C-R	412119!
23499	GARLK	417196!	2353335	GMC	472636!	23646	GARLK	416041	237082R91	IH	472164!
234999	CLARK	4512*	235354	SPG	416404!	23647	C-R	470565!	23709	C-R	412119*
234999	CLARK	714512	235393	CLARK	473010	23648	C-R	470565!	23710	C-R	412119!
234R	TIMKE	234PKG	235394	CLARK	473454	23649	C-R	470565!	23711	C-R	412119!
23500139	GMC	5163	235404R91	IH	415995!	23650	C-R	470565 =	237110	C-R	473213!
23500286	GMC	3945	235430	HYST	417344!	23650	C-R	470565	237111	C-R	450054
235003	SPG	415458!	2354323	GMC	410496!	23651	C-R	470565!	237112	C-R	473215!
2350041	SHEP	472185!	235462	CLARK	412119 =	23652	C-R	470565!	237112	FAIRB	473215!
2350061	SHEP	411253!	235468	CLARK	471281*	23653	C-R	470565!	237112	JA-MI	473215!
235009N	SPG	415960	235470	CLARK	471267 =	23654	C-R	470565!	237112	JAE	473215!
235012N	SPG	416654	2354727	GMC	415302 =	23655	C-R	473474* =	237112Q7	GEHL	473215!
23501544	GMC	5424	2354728	GMC	471692	23655	GARLK	415379	237114	C-R	473225!
23501545	GMC	5422	2354732	GMC	415995!	2365OS	JN-MN	415551	237114	GR-DV	473225!
2350160	SHEP	450463	235498	SPG	415498	2366034	GMC	410737!	237115	C-R	473438
235016N	SPG	416288	2355	C-R	6X16X5	2366119	GMC	417480!	237116	BUC-E	470059
23501819	GMC	470954	2355087	GMC	6863S!	236623	BENDI	471737	237116	BUC-E	470380!
2350300	SHEP	472397!	235533	VICK	343185	236629	CLARK	470565 =	237116	C-R	470059
2350310	SHEP	473229	23559	MALL	471688	23663	C-R	470565!	237116	C-R	470380
23503969	GMC	710258	235593	CLARK	456967V!	23665	C-R	470565!	237116	FAIRB	470059
235070	SPG	416865!	2356531	GMC	472636 =	23666	C-R	473475	237116	FAIRB	470380!
23507225	DETRO	JF2282	2356532	GMC	417487 =	23667	GARLK	417205!	237116	GR-DV	470059
23507225	GMC	JF2282	235655	CLARK	416664	236679	CLARK	311189	237116	GR-DV	470380!
23507226	DETRO	JF2280	235657	ALLCH	470530	236686	CLARK	476535N =	237116	LEROI	470059
23507226	GMC	JF2280	235665	GMC	473215!	23670	C-R	473475*	237116	LEROI	470380!
235086N	SPG	417487!	2357	C-R	6X16X7V	23671	C-R	473475*	237116	STEEL	470059
235086N	SPG	417487	235751	CLARK	472016 =	23672	C-R	413246	237116	STEEL	470380!
235090	ALLCH	JV949 =	2357683	GMC	417505	23673	C-R	413246	237116M1	C-R	470059
235095	SPG	416271!	2357684	GMC	417541	23676D	IH	471466!	237116M1	C-R	470380
23509591	GMC	5422	23580	GARLK	415937!	23678	C-R	413246	237117	C-R	470059
23511	GARLK	476424N	2358463	GMC	410308	236783	CLARK	476470 =	237117	C-R	470380
235112	C-R	473215!*	2359	C-R	6X16X7V	23679	C-R	413246	237117M1	C-R	470059
23511393	GMC	325277TL	2359177	NOK	45X70X10	2368	C-R	417316!	237117M1	C-R	470380
23511394	GMC	325277T	2359469	GMC	473454	23680	C-R	413246 =	237118	C-R	472299
235114	C-R	473225!*	235949R	SPG	416500	23680	C-R	413246	237120	BUC-E	473231!
235116	C-R	470059	235R	TIMKE	235PKG	23681	C-R	413246 =	237120	C-R	473231
235116	C-R	470380	2360	C-R	6X16X7	23681	C-R	413246	237120	ESSIC	473231!
235116M1	C-R	470059	23600	C-R	4539H	23682	C-R	413246	237120M1	C-R	473231
235116M1	C-R	470380	23601	GARLK	417355!	23682	GARLK	416339	237124	C-R	473237!
23511903	ALLCH	200865	2360331	GMC	473228	23683	C-R	480574H	23717	C-R	412119!*
235120	C-R	473231	23604	VICK	471570!	236835	HYST	415379	2371881	GMC	470898
235120M1	C-R	473231	236065	ALLCH	471766!	2368357	GMC	370002A	23719	C-R	412119!*
23512418	GMC	481203N =	23606R	DIA	45637S	236836	HYST	J1126	2371908	GMC	370012A
23513485	GMC	5422	23612406	TROS	8168 =	23685	C-R	413246!	237197	CLARK	470898* =
23513578	GMC	5424	23613	GARLK	416125!	23686	C-R	413246	23721	C-R	40101S
235137	SPG	415137!	23613208	TROS	410190	23686	C-R	413246 =	23721	GARLK	417211!
235137	SPG	418028	23613608	TROS	450143	23687	C-R	480574H	237224	CLARK	471466*
23514147	GMC	5443	23614006	TROS	291099	23690	C-R	412119!	2372377	GMC	416500
235146	SPG	415146!	23614808	TROS	472193!	23691	C-R	710210	23725	C-R	442507
235146	SPG	415991	23615207C	TROS	203006!	236922R91	IH	471413	2372677	GMC	471267!
23514608	GMC	41537	23615607.5	TROS	350936	23693	C-R	412119!*	2372702	GMC	4563V
23515534	GMC	5441	2361599	GMC	5406\$	236932	EATON	470605!	23729	C-R	412119!
23515634	GMC	5436	23616008	TROS	9015S	236939	EATON	474281!	23730	C-R	412119!
23516871	DETRO	480581	23620008.5	TROS	331301N	23694	C-R	5119	23733	GARLK	416345!
23516969	GMC	5424	23620405	TROS	332134	23695	C-R	412119*	23734	C-R	413247!
235183	CLARK	416273	2362158	GMC	733115	23698	C-R	710210	23735	C-R	413247!
2351945	GMC	5778	236224R91	IH	472164!	23699	C-R	412119!	237360	GMC	470059
23522435	DETRO	472324	236298	CLARK	471735 =	236A15605	TROS	350936	237360	GMC	470380!
23522435	GMC	472324	23630	C-R	41026S	236R	TIMKE	236PKG	2373OS	JN-MN	415960
23522854	DETRO	483054V	23631	C-R	473573	237	ROCKW	100495	23740	C-R	413247!
23523473+600471	SPG	600471	23632	C-R	470764!	237	ROCKW	5601	23741	C-R	413247!
2352354	GMC	470898	23632	C-R	50764	23700	C-R	412119!	23742	C-R	413247!
2352381	GMC	470954!	23634	C-R	470764	23701	C-R	412119!	23743	C-R	413247!
235253	ALLCH	472409 =	23634	C-R	50764	23702	C-R	412119*	23744	C-R	200855*
2352810	GMC	480630!	2363HC	SPG	472409	23702	C-R	412119!	23745	C-R	410987!
2352811	GMC	480630!	2363S	SPG	417254	23702D	IH	450084!	23745	GARLK	415697!
2352836	GMC	410496!	23640	C-R	41026S	23703	C-R	412119*	23745H	IH	473464!
2352946	GMC	416273!	23641	C-R	473573	237033	ALLCH	472179	23745H	IH	473464
235296	ALLCH	473438	23643	C-R	473474	23705	C-R	412119!*	23749	C-R	410987!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
23751	C-R	710006*	23801	C-R	416271!	2394037	GMC	370181A	24035	GARLK	417356!
23753	C-R	410987!	238039	CLARK	471271!	2395373	GMC	7006S	240356	TIMKE	240356
23754	C-R	410987!	2380496	GMC	417316!	2396498	GMC	413470	2403627	GMC	442380
23755	C-R	410987!	23806	C-R	2756N=	2396499	GMC	413246	2403628	GMC	442380
23756	C-R	410987!	23808	C-R	412861	239675	CLARK	471267=	2403665	GMC	40769S
237579	CLARK	413469=	23810	C-R	412861*	2396869	GMC	470898	240385	TIMKE	240385
23758	C-R	410987!	23811	C-R	412861*	2396870	GMC	470898	240398	SPG	471267!
23759	C-R	410987!	2381508	GMC	413246	2396880	GMC	240731	240400	NATL	6703S
2376	MID	470590	2381585	GMC	253099	2396T2	WHITE	471787!	2404052	CHRY	484058
2376	MID-R	470590	23820	C-R	415857	239718	CLARK	473204=	2404121	CHRY	8515N
23761D	IH	471750!	238200	HYST	472164!	2397420	GMC	472164!	2404134	CHRY	473235
2376261	GMC	6808N	23824D	IH	455008	23977X	LIGET	440972	2404135	CHRY	7216
23763	C-R	410987!	2383276	GMC	417254	2398209	GMC	415458!	240414	TIMKE	240414
23763	C-R	450686	23833	C-R	410825	2398220	GMC	415458!	2404215	CHRY	8695S
23763	GARLK	417366!	23835	C-R	410825*	2398409	GMC	8792S	2404216	CHRY	8704S
23765	C-R	416271!	23836	C-R	410825	2398465	GMC	470954	240435	TIMKE	240435
23766	C-R	416271!	23838	C-R	410825	239892	CLARK	4084=	240457	TIMKE	240457
23766	WOODB	472070	23839	C-R	410825	239A12708	TROS	9342S	240462	TIMKE	240462
23767	C-R	416271!	2383OS	JN-MN	450474*	239R	TIMKE	239PKG	240470	TIMKE	240470
23768	C-R	416271!	23840	C-R	410825	23PS221	C-P	471472!	240480	NATL	6597S
23769	C-R	416271!	23841	C-R	410825*	23R009	SHOV	472492!	240495	NATL	343185
2376OS	JN-MN	472185!	23841	C-R	410825*	23W015	SHOV	411253!	240495	WMG	343185
2377	NATL	713750	23842	C-R	416071	2400084	CHRY	470898!	2405328	GMC	240733
2377	TIMKE	2377	23844	C-R	417480!	240009	TIMKE	240009	24055	GARLK	417357
23770	C-R	416271!	23845	C-R	417480!	2400163	CHRY	8935S	2405935	GMC	3592
23771	C-R	416271=	23846	C-R	416071	240023	TIMKE	240023	240698	TIMKE	240698
23772	CONTI	471766!	238491	CLARK	JV1132=	24003	C-R	4160	240716	TIMKE	240716
237720	CLARK	415349=	2384945	GMC	470898	2400300	CHRY	7300S	240731	TIMKE	240731
23773	C-R	416271	23851D	IH	450593!	2400566	GMC	470954!	240733	TIMKE	240733
23773	C-R	416271=	2385627	GMC	471570!	240076	ACF	50631	240735	TIMKE	240735
23774	C-R	471271!	23857	C-R	712375	24010	GARLK	415035	240736	TIMKE	240736
23775	C-R	416271!	23858	C-R	455650=	240119	TIMKE	240119	24075	CANAD	416041
23776	C-R	416271!*	2385S	NATL	4250	24012408	TROS	472843	24075	GARLK	416130!
23778	C-R	416271!*	23860	C-R	710006	24012808	TROS	473437	2407876	GMC	415449!
23779	C-R	416271!	2386619	GMC	418028	24013206	TROS	291099	2407877	GMC	415995!
23781	C-R	416271!	23870	C-R	5487	24013404	TROS	40369S	240816	TIMKE	240816
23782	C-R	416271!	23870101	JOHND	415958	24014004	TROS	473232!	240840	NATL	6597S
23788	C-R	416271!*	23873H	IH	415960	24014008	TROS	473232	24085	LAU	471570!
237909	ALLCH	413247!	2387418	GMC	472164!	24014010	TROS	473228!	2408OS	JN-MN	417491*
237913R1	IH	42101S	2387420	GMC	472164!	24014208	TROS	7457N	240912	HYST	415138!
237919	CLARK	451143	23880	C-R	710170	240143	KOHL	473234	240913	HYST	417362!
237933	ALLCH	417191	2388334	GMC	370023A	24014406	TROS	473235!	240949	TIMKE	240949
23794	C-R	416271!	23885	C-R	226150	24014408	TROS	473235!	24095	LAU	410102
2379514	GMC	472636!	23888	C-R	710528	24014411.25	TROS	473235	24097	C-R	5698
237983	EATON	471271	238888	EATON	471271!	24014412	TROS	473235	240A14404	TROS	473235!
2379OS	JN-MN	415697!	238918	ALLCH	472012	24014412.5	TROS	473235!	240A14812	TROS	472185!
2379OS	JN-MN	455547	23891D	IH	473213!	24014805	TROS	7607	240A16004	TROS	472319
237A15304	TROS	6960	238945	ALLCH	412920!	24014806	TROS	472185!	240A20004C	TROS	4148
237AW116-L	C-R	410059	238R	TIMKE	238PKG	24014808	TROS	472185!	240A20004C	TROS	471424!
237AW116-L	C-R	470380!	239	ROCKW	5603	24014811.25	TROS	472185!	240B15603.5	TROS	6985
237B122115	TROS	8594S	2390257	GMC	5408	240151	TIMKE	240151	240C15606	TROS	472439
237B12811.5	TROS	9116S	239092	CLARK	40847X*	24015204	TROS	44053	240C15606C	TROS	331227H
237C140X08.25	TROS	8835S	239103	NATL	224015	24015206	TROS	472070	240R	TIMKE	240PKG
237F116	C-R	410059	239128	TIMKE	239128	24015211.25	TROS	472070	240X270X15	FORSH	240X270X15
237F116	C-R	470380!	239129	TIMKE	239129	24015408	TROS	473451!	240X270X15	SIMRT	240X270X15
237FM116	C-R	410059	239134	TIMKE	239134	24015408	TROS	473462!	240X270X15SC	TRSCM	240X270X15
237FM116	C-R	470380!	23914404C	TROS	9178S	24015408	TROS	473462!	240X270X15TC	TRSCM	240X270X15
237R	TIMKE	237PKG	239146	TIMKE	239146	24015608	TROS	472439	240X280X16SC	TRSCM	240X280X16
237W116	C-R	470059	239150	NATL	5696	24015612	TROS	473464	240X280X16TC	TRSCM	240X280X16
237W116	C-R	470380	239152	NATL	35X47X7	24015612.5	TROS	472439	2410236	GMC	472164!
237W116M1	C-R	470059	239152	WMG	35X47X7	24016009	TROS	5121	24110	C-R	4019N
237W116M1	C-R	470380	239169R91	IH	415041	240164	CLARK	472636	2411035	WOOL	475384
237W120	C-R	473231	2391842	GMC	472164!	240178	KOHL	415995!	241130L	C-R	470409
237W120-M1	C-R	473231	239191	NATL	480630!	2401857	GMC	413248	241130L	C-R	50409
237WL116Q4	C-R	470059	239192	NATL	223535	24020004	TROS	40410S	2411979	GMC	330385!
237WL116Q4	C-R	470380	239193	NATL	35X47X7	24020008	TROS	471424!	2413360	GMC	370120A
237WL117M1	C-R	470059	239193	WMG	35X47X7	240211	REELE	471264!	241343	ACF	418028
237WL117M1	C-R	470380	239201	TIMKE	239201	240215	TIMKE	240215	241343	ACF	455137!
238	ROCKW	4561V	239218	CLARK	470954* =	24021604	TROS	341022	24137	MICH	471554!
238	ROCKW	5602	2392508	GMC	370015A	24027015A	HARWA	240X270X15	24137	UNIVE	471554!
2380	C-R	6X22X7!	2394035	GMC	370019A	240288	ALLCH	470625!	24140	Y-T	415196!
23800	C-R	416271!	2394036	GMC	370021A	240319	TIMKE	240319	24150	MICH	471567!

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24150 UNIVE		471567!	2422854 GMC		417355!	24316 C-R		474254	243W112-M1 C-R		6241S
24151-73B00 SUZUK		222030	2422854 GMC		485497	2431667 GMC		471267!	243W114 C-R		474264
241543 AVCO		204020	2422855 GMC		417355!	24316M1 C-R		474254	243W114-M1 C-R		474264
241543 AVCO		204505!	2422855 GMC		485497	24318 C-R		471818	243W118 C-R		471821!
24156 UNIVE		450340	2422856 GMC		5453 \$	243190 BRCWY		370036A	243W118-M1 C-R		471821!
2416276 GMC		5473	2422859 GMC		417480!	2431D5 WHITE		417316!	243W120 C-R		473367!
24169 DAVEY		418028	2422869 GMC		40769S	24320 C-R		413478	243W120 C-R		473367
24169 DAVEY		455137!	2422922 GMC		50631	24321 C-R		62X80X10V	243W120-M1 C-R		473367
2416949 GMC		416282	2423396 GMC		416271!	24322 C-R		413478	243W120-M1 C-R		473367!
2416950 GMC		416282	24255 C-R		471887	24322 CONTI		473458!	243W375 CONE		5520
241706 FULLE		417484	24255 GARLK		416556!	24323 C-R		413478	243WL112 C-R		470950!
2417294 GMC		473215!	24255 GARLK		472157	24325 C-R		413478*	243WL112 C-R		6241S
2417295 GMC		471765!	24258 C-R		412040	24328 C-R		413478	243WL114 C-R		474264
2417296 GMC		5751	24260 C-R		412040	2432D GOODM		415995!	243Z120 C-R		473367
2417297 GMC		5751	2426024 GMC		417210!	24333 C-R		450104	243Z120 C-R		473367!
2417302 GMC		416167!	2426026 GMC		417210!	24334 C-R		450104	2440 TIMKE		2440
2417303 GMC		416167!	24261 C-R		412040	24335 EATON		473235!	244007XX TIMKE		24X40X7
2417306 GMC		6649	24263 C-R		412040	243354SA TRSCM		411245	2440720 GMC		6638S
2417308 GMC		6872S	24270 C-R		412040	2433567 GMC		100495	2440721 GMC		6638S
2417311 GMC		415317	24278 C-R		412040	2433567 GMC		417349	2440722 GMC		6638S
2417312 GMC		417316=	24281 C-R		411500	243363VAY TRSCM		3210	24408 C-R		417073
2417316 GMC		410308!	2428573 GMC		HU042A	2433650 GMC		415458!	2440D GOODM		455019!
2417317 GMC		410308	24286 C-R		411500	2433651 GMC		415458!	244112 C-R		471276
2417318 GMC		415234!	242860 ALLCH		415371	2433667 GMC		470898	244116 C-R		471344
2417319 GMC		415234	24287 C-R		411500	24340 C-R		450104*	244124 C-R		471504!
2417330 GMC		415960	2429131 GMC		471787!	2434156 GMC		470898!	24412408 TROS		450776!
2417331 GMC		415960	2429141 GMC		471538!	24345 C-R		450104	244124M1 C-R		471504!
2417332 GMC		472636!	2429241 GMC		476574N	2434696 GMC		412119	24412804 TROS		471862
2417333 GMC		472636!	24294 C-R		411500	2434707 GMC		480574H	24412808 TROS		471862
2417334 GMC		417487!	24295 C-R		411500=	2434D GOODM		417487	24413208 TROS		470487!
2417334 GMC		417487	24297 GARLK		416891!	2434OS JN-MN		450765!	244132X08 TROS		470487!
2417336 GMC		410825=	24299 C-R		411500	243507XX TIMKE		24X35X7	244135X08 TROS		8695S
2417337 GMC		410825	242B120 C-R		473367	24355 C-R		411245!	24413604 TROS		471316
2417340 GMC		5403	242BM120 C-R		473367	24356 C-R		411245!	24413606 TROS		471316
2417342 GMC		5405	242GG120 C-R		473367	2435738 GMC		416167!	24413609 TROS		6336S
2417343 GMC		471766!	242GG120 C-R		473367!	2435738 MOHWK		416167!	24414408 TROS		474265
2417344 GMC		471766!	242H120 C-R		473367	2435739 GMC		480630!	24414608 TROS		50075=
2417345 GMC		7006S	242H120 C-R		473367!	2435740 GMC		410496!	24414808 TROS		470334!
24174 DAVEY		473231!	242R TIMKE		242PKG	2435E GOODM		417488!	24415008 TROS		450269
24175 DAVEY		470530!	24300 C-R		411500=	2436463 GMC		6808N	24415208 TROS		471866!
24175 MICH		471684!	24302 C-R		413478	243649 BRCWY		415137!	24416 C-R		474256
24175 UNIVE		471684!	24302 GARLK		416135!	243649 BRCWY		418028	24416008 TROS		473459
24176 VICK		240731	2430D GOODM		417349	2436547 GMC		415995!	24416208 TROS		450472!
2417701 GMC		370181A	2430OS JN-MN		417541*	243663 BRCWY		411253!	244169 ALLCH		473010
2417702 GMC		370021A	24311 C-R		411500*	2436953 GMC		417316!	24416M1 C-R		474256
2417779 GMC		470565!	243112 C-R		470950	24370 C-R		411245!	24420006C TROS		7751H
2417780 GMC		416654!	243112 C-R		6241S	243707A HARWA		24X37X8	24420008 TROS		471870!
2417781 GMC		456618	243112M1 C-R		470950!	243707XX TIMKE		24X37X7	244207XX TIMKE		24X42X7
24177902 ALLCH		471192	243112M1 C-R		6241S	24371 C-R		411245!	244210A HARWA		24X42X8
2417791 ALLCH		471192	243113 C-R		50254=	24372 C-R		411245*=	244210XX TIMKE		24X42X10
241790 ALLCH		472179	243114 C-R		474264	2437999 GMC		415995!	2442177 GMC		6270
24182 UNIVE		450033	243114 GR-DV		474264	243807XX TIMKE		24X38X7	2442178 GMC		6270
24183 MICH		450033	243114M1 C-R		474264	2438255 GMC		417316!	2442179 GMC		6270
2418RC SUL		417316!	243115 C-R		473439!	2438877 GMC		7866S	2442180 GMC		5401
2419982 GMC		416654	243116 C-R		471820	2438878 GMC		7866S	2442181 GMC		7512S=
241R TIMKE		241PKG	243118 C-R		471821!	2438OS JN-MN		416345!	24429 DAVEY		416921!
24201470 GMC		4934	243118M1 C-R		471821!	2438OS JN-MN		455033	2442911 GMC		415995!
24201871 GMC		3543	243119 C-R		450065	2439186 GMC		473242	2442912 GMC		415995!
24201991 GMC		224840	24312 C-R		411500*	2439188 GMC		5361=	2442946 GMC		471267!
24202535 GMC		4950	243120 C-R		473367!	24396 C-R		411245!	2443 TIMKE		2443
24202835 GMC		3543	243120 C-R		473367	24397 C-R		411245!	2443570 GMC		417316!
24204330 GMC		100165*	243120 GOODM		473367!	243B120 C-R		473367	244415 GMC		HU009A
24204540 GMC		4583	243120 GOODM		473367	243BB120-L C-R		473367	2444160 GMC		442380
2420630 GMC		6808N	243120M1 C-R		473367!	243BB120-L C-R		473367!	2444414 GMC		HU066A
24207336 GMC		4333N	243120M1 C-R		473367	243BM112 C-R		473367	2444415 GMC		HU009A
24209839 GMC		4598	243120ML BUC-E		473367	243F114 C-R		474264	24445 C-R		417073
242120 C-R		473367	243120ML BUC-E		473367!	243HMS120 C-R		473367	24448 C-R		417073
242120 C-R		473367!	243122 C-R		473445	243R TIMKE		243PKG	2444860 GMC		733067
242120M1 C-R		473367!	243123 C-R		50327	243T120 C-R		473367	2444861 GMC		370036A
242120M1 C-R		473367	24314J DIA		474276!	243W112 C-R		470950	2444861 GMC		370349A
242133X09.5C TROS		8610	2431525 GMC		415995!	243W112 C-R		6241S	24449 C-R		417073
242134X08 TROS		8610	2431526 GMC		415995!	243W112-M1 C-R		470950	2445-6623 HINO		710371

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2445-6624	HINO	2455093	GMC	2467929	GMC	24814408	TROS
244530	GMC	2455130	GMC	2467929	GMC	24814804	TROS
244531	ACF	2455143	GMC	24680	LIGET	24814807.75	TROS
244531	GMC	2455151	GMC	2468537	GMC	24814808	TROS
24455	GARLK	2455943	GMC	2468T2	WHITE	24814810	TROS
24459	C-R	24566	LAU	24692603	ALLCH	24814811.25	TROS
244631	SPICE	2456738	GMC	2469341	GMC	24814812	TROS
2446372	GMC	2456739	GMC	2469545	GMC	24815008	TROS
2446691	GMC	2456752	GMC	246991	GMC	24815208	TROS
2446748	GMC	2457	TIMKE	246A11607.5	TROS	24815307.75	TROS
2446RC	SUL	24573976	GMC	246A14806	TROS	24815408C	TROS
2446RC	SUL	2457433	GMC	246A15607.5	TROS	24815604	TROS
244707XX	TIMKE	2457RC	SUL	246A20606	TROS	24815608	TROS
24472709	SIMRT	2457RC	SUL	246B12407.5	TROS	2481RC	SUL
24473	C-R	2458346	GMC	246B14804	TROS	2481RC	SUL
24475	GARLK	2459229	GMC	246C14806	TROS	24820004	TROS
24476	VICK	245964	ACF	246C14806.5	TROS	24820006	TROS
2447666	GMC	245A15808.25	TROS	246D15603.75	TROS	24820008	TROS
2447696	GMC	245G114	C-R	246R	TIMKE	24820604	TROS
2447696	GMC	245G120	C-R	24708	VICK	2482279	GMC
2447861	GMC	245G120	C-R	2470LPD	JN-MN	248373	ALLCH
2447RC	SUL	245HMS120	C-R	2470OS	JN-MN	248374	ALLCH
2448142	GMC	245HMS120	C-R	24710	C-R	248426	ALLCH
2448159	GMC	245R	TIMKE	247100	ALLCH	24842601	ALLCH
2448159	GMC	24607	FI-CO	247165	ALLCH	2484551	GMC
24482	C-R	2461313	GMC	247167	ALLCH	2484560	GMC
244888	ALLCH	24613408	TROS	2471OS	JN-MN	2484561	GMC
2448882	ALLCH	2461368	GMC	247224	ACF	2485	F-R-H
2448RC	SUL	24614	CONTI	247224	GMC	248542	VICK
244961	ALLCH	24614804	TROS	2472290	GMC	24860	C-R
24496101	ALLCH	2461RC	SUL	2472341	GMC	24860	C-R
24498	GARLK	24620	C-R	24725	C-R	24863	C-R
2449RC	SUL	24620	C-R	24734	VERSA	24863	C-R
244B16008C	TROS	2462289	GMC	2473RC	SUL	248630	HYST
244R	TIMKE	24625	GARLK	2474278E50	SUZUK	24865	C-R
244W120	C-R	24626	C-R	247548	ALLCH	24868	C-R
244W120	C-R	24629	C-R	24755	C-R	24875	C-R
2450	C-R	2462993	GMC	24758	C-R	24879	C-R
245040	BRCWY	24630	C-R	2475900	IVECO	2487938	GMC
24504098	GMC	2463199	GMC	24761	JOHND	24880	C-R
2451326	GMC	24635	C-R	2476620	GMC	24881	C-R
24516	EATON	24635	C-R	247667	HYST	24882	C-R
2451769	GMC	24638	C-R	24767	LAU	24883	C-R
245187	BRCWY	24638	C-R	2476973	GMC	24886	C-R
245207XX	TIMKE	24640	C-R	24770	C-R	24888	C-R
2453129	CHRY	24640	C-R	24772-61A00	SUZUK	2488828	GMC
2453130	CHRY	2464131	GMC	2477708	GMC	2488829	GMC
2453131	CHRY	24642	C-R	2477867	RFT	24889	C-R
2453133	CHRY	2464259	GMC	24780-79001	SUZUK	24894	C-R
2453134	CHRY	2464492	CHRY	24780-79001	VILA	24895	C-R
2453135	CHRY	24645	GARLK	24780-83010	SUZUK	24896	C-R
2453136	CHRY	2464528	GMC	2478083000	SUZUK	24897	C-R
2453137	CHRY	2464660	GMC	2478362	GMC	24898	C-R
2453138	CHRY	2464660	GMC	2478368	GMC	24899	C-R
2453139	CHRY	24649	C-R	24785	C-R	248A13208	TROS
2453140	CHRY	2465	TIMKE	2478619	IVECO	248A13808	TROS
2453142	CHRY	24650	C-R	247868	ALLCH	248A14808	TROS
2453143	CHRY	246564	ALLCH	24786802	ALLCH	248A15607C	TROS
2453144	CHRY	24656403	ALLCH	24788	C-R	248A15608	TROS
2453145	CHRY	24659	C-R	247893	VICK	248A15610.5	TROS
2453146	CHRY	2465S	SPG	247A14708.25	TROS	248B20005	TROS
2453147	CHRY	2465SS8	SPG	247A15108.25	TROS	248B20005	TROS
2453952	GMC	2466057	GMC	247FF124	AT-PL	248C20006	TROS
245396	BRCWY	24661	C-R	247R	TIMKE	248GG116-L	C-R
2454230	GMC	24662	C-R	24800	C-R	248R	TIMKE
245443	BRCWY	2466842	CHRY	24800	LISLE	248W116	C-R
245472	BRCWY	24670	C-R	24800	LISLE	248Z116	C-R
2455043	GMC	2467131	GMC	2480035	GMC	24900	C-R
2455044	GMC	24676	HYST	2480RC	SUL	24901	C-R
2455045	GMC	24678	C-R	24813208	TROS	24902	C-R
2455047	GMC	24679	C-R	24814004	TROS	24904	C-R
2455092	GMC	24679	C-R	24814008	TROS	24905	C-R

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
24906	C-R	7018N=	24977	C-R	415449!	24C55147	FWD	415449!	250124	AT-PL	472164!
24907	C-R	471271!	24978	C-R	415449!	24C55150	FWD	415150!	250124	C-R	472164!
24908	C-R	471271!	24979	C-R	415449!	24C55177	FWD	415379	250124M1	C-R	472164!
24909	C-R	471271!	24980	C-R	415449!	24C55177	FWD	415379!	250130	C-R	471195!
24910	C-R	471271!	24982	C-R	415449!	24C55195	FWD	472157!	250135	SPG	415995!
24911	C-R	471271!	2498220	GMC	370048A	24C55195	FWD	472157	25014808	TROS	200600
249122	C-R	473234!	2498220	GMC	380048A	24C55196	FWD	415196!	25016	C-R	415449!
249124	C-R	472164!	24984	C-R	3894V	24C55203	FWD	455203	25016	CONTI	471267!
249124M1	C-R	472164!	24984	C-R	415449!	24C55271	FWD	415725!	250187R91	IH	472924!
24913	C-R	471271	24986	C-R	415449!	24C55272	FWD	416706!	2501CS	CASE	450415
24914	C-R	471271	24988	C-R	415449!*	24C55281	FWD	417349	2502	C-R	352541
24916	C-R	471271	24988	C-R	415449*	24C55305	FWD	415991	25020	C-R	415449!
24917	C-R	4250	24989	C-R	415449	24C55305	FWD	455146!	25021	C-R	415449!
2491RC	SUL	416654!	2498OS	JN-MN	417262!	24C55315	FWD	415984!	25022	C-R	415449!
2492	TEKNI	471538!	24990	C-R	415449!	24C55355	FWD	417158!	250220	ALLCH	470625!
24920	C-R	6785	24991	C-R	3894V	24C55364	FWD	416664!	250221	ALLCH	470059
2492115	GMC	730003	24999	C-R	415449!	24SR100	IG-RA	471192	250221	ALLCH	470380!
2492116	GMC	HU036A	2499919	GMC	472636!	24X35688A	JOHND	455253	250222	ALLCH	473016!
24923	C-R	4250	2499LPD	JN-MN	415683	24X35X7SC	TRSCM	222410	250225	ALLCH	472070
24924	C-R	410496!	2499LUP	JN-MN	415683	24X35X7SC	TRSCM	24X35X7!	25024	C-R	415449!
24925	C-R	410496!	249A-007	BENDI	480630	24X35X7TC	TRSCM	24X35X7	25025	C-R	415449!
24926	C-R	410496!	249A16008C	TROS	2043	24X37X7	NATL	24X37X8	25028	C-R	8975S
24928	C-R	410496!	249C116	C-R	473228	24X37X7	SIMRT	24X37X8	25028015A	HARWA	250X280X15
24929	C-R	40496S=	249M128-L	C-R	473454	24X37X7SC	TRSCM	24X37X7	2503	TIMKE	2503
2492952	GMC	415991	249R	TIMKE	249PKG	24X37X7TC	TRSCM	24X37X7	25030	GARLK	415725!
2492952	GMC	415991!	24A103	FWD	471765!	24X38X7SC	TRSCM	24X38X7	25033	C-R	415001!
2492RC	SUL	417621!	24A108	FWD	473228	24X38X7TC	TRSCM	24X38X7	25035	C-R	415001!
24930	C-R	410496!	24A110	FWD	473232	24X40X7	NATL	1990	25036	C-R	415001!
2493047	GMC	415995!	24A214	FWD	417158!	24X40X7SC	TRSCM	24X40X7!	25038	C-R	415001!
24931	C-R	410496!	24B275112	FWD	450463	24X40X7TC	TRSCM	24X40X7!	2503N	TIMKE	2503N
24932	C-R	410496!*	24B275122	FWD	473236!	24X42X10SC	TRSCM	24X42X10	25042	C-R	415001!*
24933	C-R	410496!*	24C50099	FWD	411253!	24X42X10TC	TRSCM	24X42X10	25043	C-R	415001!*
24934	C-R	470605*	24C50115S	FWD	473467!	24X42X7	ISP	24X42X7	250437V	TIMKE	250437V
24935	C-R	410496!*	24C50117	FWD	472572!	24X42X8	SIMRT	24X42X8	250437VD	SPG	250437V
24937	C-R	410496!	24C50120	FWD	471224!	24X46X7SC	TRSCM	24X46X7	25044	C-R	415001!
24938	C-R	410496!	24C50136	FWD	470625!	24X46X7TC	TRSCM	24X46X7	25045	C-R	415001!
24939	C-R	470605!	24C50204	FWD	471231!	24X47X7SC	TRSCM	24X47X7	25046	C-R	415001!
2493RC	SUL	472636!	24C50219	FWD	471649!	24X47X7TC	TRSCM	24X47X7	25047	C-R	415001!
24940	C-R	470605!	24C50301	FWD	472397!	24X52X7SC	TRSCM	24X52X7	2504T2	DIA	472636!
24941	C-R	470605=	24C50315	FWD	473245!	24X52X7TC	TRSCM	24X52X7	2505	TIMKE	2505
24942	C-R	470605!	24C50316	FWD	472636!	25-1358	TW-CO	471689!	25050	HYST	473225
24943	C-R	470605!	24C50320	FWD	473475	25001	CONTI	471267!	25054	C-R	415001!
24945	C-R	470605!	24C50332	FWD	450332	25001-2813	GARLK	415064	25058	C-R	415001!
24946	C-R	470605!	24C50350	FWD	413247!	25004	SPG	417316!	250580	ALLCH	472397!
24947	C-R	470605!	24C50352	FWD	472164!	25005	C-R	4624V	25059	C-R	415001!
24948	C-R	470605!	24C50360	FWD	471870!	25005	HK-SY	415960!	2505S	SPG	2505
24949	C-R	473274	24C50365	FWD	470898!	25007	C-R	444042!	2505V	SPG	2505V
24951	C-R	473274	24C50394	FWD	473227	25008H	IH	5MR71	2506	TIMKE	2506
24954	C-R	470605!	24C50405	FWD	50405	25008HB	IH	5MR71	25060	C-R	415001=
24955	C-R	470605!	24C50480	FWD	323138!	25011	C-R	415449!	25060	EUROS	120X150X12
24957	C-R	415449!	24C50520	FWD	471272!	25011	SPG	416921!	250605	ALLCH	415960!
24958	C-R	415449!	24C50756	FWD	472394	250112	C-R	471835!	250618	ALLCH	414268=
24959	C-R	415449!	24C50779K	FWD	473238!	250114	C-R	473226	250646C91	IH	42101S
2495OS	JN-MN	415725!*	24C55004	FWD	417316!	250116	ALLCH	473228	25065	C-R	415001
2495RC	SUL	416654!	24C55013	FWD	415995!	250116	C-R	473228	250653R91	IH	471689!
24960	C-R	415449!	24C55018	FWD	476470	250116	JA-MI	473228	250659R91	IH	470712!
24964	C-R	4561V	24C55021	FWD	415021	250116	JAE	473228	25067	C-R	416273
2496482	GMC	415995!	24C55023	FWD	415023	250116M1	C-R	473228	25068	C-R	416273!
2496482	GMC	415995!	24C55026	FWD	455026	250118	C-R	473229	250689CA	SPG	1126
24965	C-R	415449!	24C55027	FWD	415027	250118	GOODM	473229	25069	C-R	416273!
2496560	GMC	415458	24C55027	FWD	415027!	250118M1	C-R	473229	2506925	CHRY	415449!
2496561	GMC	415483	24C55029	FWD	416125!	250119	C-R	482253	25070	C-R	416273
2496562	GMC	415458	24C55035	FWD	415035	250119	CLARK	482253	25071	C-R	416273!
24967	C-R	415449!*	24C55035	FWD	415035!	25012	CLIN	472258	25072	C-R	416273
24969	C-R	415449!	24C55088K	FWD	415088!	250120	C-R	473010	25072	SPG	415072
24970	C-R	415449!	24C55088K	FWD	415088	250120	GOODM	473010	25072S	WABCO	415072
24971	C-R	415449!	24C55093	FWD	411376!	250120	JEFF	473010	25073	C-R	416273!
24973	C-R	415449!	24C55114K	FWD	455584	250120K	GOODM	473010	25074	C-R	416273
24974	C-R	415449	24C55137	FWD	418028	250120M1	C-R	473010	25075	C-R	416273
24974	C-R	415449=	24C55137	FWD	455137!	250121	C-R	450260	25077	C-R	416273
24975	C-R	415449!	24C55146	FWD	415991	250122	C-R	473234	25078	C-R	200851
24976	C-R	415449!	24C55146	FWD	455146!	250122M1	C-R	473234	25080	GARLK	416865!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
25420	C-R	65X85X8	2552327	GMC	473241	25640	C-R	415988	258511BB	WALKE	415150!
25420407.25	TROS	5877	25524	MALL	471652	25641	C-R	415988	258511BE	Y-T	50528
254206XX	TIMKE	25X42X6	2552584	CHRY	370023A	25649	C-R	415988	258511BG	Y-T	352541
254208XX	TIMKE	25X42X8	255267R91	IH	415034!	25650	GARLK	417360	258511BH	EATON	455480!
25421	C-R	65X85X8V	255281C91	IH	100495	25660	C-R	415988	258511BH	Y-T	455480!
25421	C-R	710373	255281C91	IH	417349	25661	C-R	415988	258511BJ	Y-T	415371
254210XX	TIMKE	25X42X10	255282C91	IH	100495	25660S	JN-MN	472157!	258511BL	EATON	415074
25422	C-R	226520	255282C91	IH	417349	25660S	JN-MN	472157	258511BL	Y-T	415074
25422	C-R	65X85X10!	25531	US-EL	473214!	256725R91	IH	470530!	258511BM	EATON	415938
25424	C-R	710373	25534760	GMC	320691	256726R91	IH	412920!	258511BM	Y-T	415938
254241R92	IH	473205!	25544	BOSTN	471224!	2567RC	SUL	471466!	258511BN	EATON	473231!
25425	C-R	65X88X10	25548	LAU	471267!	25680	GARLK	416107!	258511BN	Y-T	473231!
25425	C-R	65X88X8!	255502	HYST	473228!	2569	C-R	350435*	258511BR	Y-T	416556!
25427	C-R	65X90X10V	25560	C-R	413479	256909	ALLCH	473215* =	258511BR	Y-T	472157
254270	NATL	254270	25561	C-R	413479	256938R91	IH	210914	258511BT	EATON	473237!
254270	TIMKE	254270	25569	C-R	413479	25699	C-R	415988*	258511BT	Y-T	473237!
25427F	DIA	6597S	25570	C-R	415988	256A20006.25	TROS	472082	258511BV	EATON	415074
25428	C-R	226530	25576	C-R	415302	256A20008	TROS	472082	258511BV	Y-T	455480!
25428	C-R	65X90X10!	25577	C-R	415302	256A20807	TROS	9599S	258511BY	EATON	417621!
254287	TIMKE	254287	25587	C-R	415302	256B20007.5	TROS	472082	258511BY	Y-T	417621!
25429	C-R	226530	25589	C-R	415449!	256D15206	TROS	473450!	258511C	WALKE	416339
25429	C-R	65X90X10!	2559054	CHRY	370001A	256E14808	TROS	471141	258511C	WALKE	455031!
2542OS	JN-MN	455480!*	2559054	CHRY	380001A	256R	TIMKE	256PKG	258511C	Y-T	416339
25430	C-R	226530	2559055	CHRY	370023A	2570	C-R	350435*	258511C	Y-T	455031!
25430	C-R	65X90X10!	2559304	CHRY	370001A	2570T2	WHITE	471538!	258511CC	WALKE	417366!
25430	C-R	65X90X7*	2559304	CHRY	380001A	25710	C-R	9943	258511CC	Y-T	417366!
25431	C-R	65X90X10V	2559685	CHRY	370023A	25710	GARLK	417361	258511D	WALKE	470059
25433	C-R	65X88X10	2559689	CHRY	370001A	25712	C-R	417481	258511D	WALKE	470380!
25434	C-R	226530*	2559689	CHRY	380001A	25713	C-R	417481	258511D	Y-T	470059
25434	C-R	65X90X10!*	255R	TIMKE	255PKG	25714	C-R	415244!*	258511D	Y-T	470380!
25435	C-R	65X95X8	2560	C-R	240435	25720804	TROS	42101S	258511DD	WALKE	417567
25436	C-R	65X95X7	2561031	CHRY	370023A	257209R91	IH	471564	258511DD	Y-T	417567
25436	C-R	65X95X8*	256116	C-R	410190	25721	C-R	417481	258511E	WALKE	451469
2543OS	JN-MN	417504*	256118	C-R	450143	257215R91	IH	471766!	258511E	Y-T	451469
25440	C-R	65X100X10	256124	C-R	472193!	257304R91	IH	471684!	258511EE	WALKE	473467!
25440	C-R	65X100X7	256124M1	C-R	472193!	257310R91	IH	470625!	258511EE	Y-T	473467!
25441	C-R	65X100X10V	25614007.5	TROS	473444	25745	C-R	455280	258511F	WALKE	415645!
25442	C-R	65X100X10!	25614407.5	TROS	473446	25747	C-R	455280	258511F	WALKE	455104
25443	C-R	65X100X10!*	25614804	TROS	471141!	25748	C-R	455280	258511FF	WALKE	470950!
25446	C-R	65X100X10V	25614807.5	TROS	471141!	25750	C-R	455280*	258511FF	WALKE	6241S
25450	C-R	65X105X8*	25614808	TROS	471141!	25755	C-R	455280	258511FF	Y-T	470950!
25450	GARLK	417359	25615208	TROS	473450	257739R91	IH	481073	258511FF	Y-T	6241S
254508XX	TIMKE	25X45X8	25615604	TROS	473238!	25784	ALLCH	415041	258511G	WALKE	474281!
25455	C-R	65X110X8*	25615607.5	TROS	473238	25790301	ALLCH	471267!	258511G	Y-T	474281!
254607XX	TIMKE	25X46X7	25615608	TROS	473238!	257920R91	IH	415034!	258511GG	WALKE	416444
254632	SPICE	471272!	25615608.5	TROS	2689S	257970R91	IH	415034!	258511H	WALKE	417357
2546357	CLARK	415425	25616007.5	TROS	472144!	2580	C-R	240435*	258511H	WALKE	455192!
254635C91	IH	473231!	25617	VICK	472015!	258019	RELEE	417556	258511H	Y-T	417357
25465	C-R	65X120X8	256192	BRCWY	472397!	25809D	IH	473427	258511H	Y-T	455192!
254662C91	IH	473231!	256199	BRCWY	415449!	258120	HYST	7512SSO	258511HH	WALKE	417351!
254670	ALLCH	471787!	2562	C-R	50514	258121C91	IH	415035	258511HH	Y-T	417351!
254707XX	TIMKE	25X47X7	25620	C-R	415302	25814808	TROS	471141!	258511J	EATON	415351!
254808XX	TIMKE	25X48X8	25620	GARLK	417254	25850	GARLK	417362!	258511J	WALKE	415351!
254882	ALLCH	472439	25620007.5	TROS	417487	258511A	WALKE	472185!	258511J	Y-T	415351!
25488202	ALLCH	472439	25620008	TROS	472924!	258511A	Y-T	472185!	258511JJ	WALKE	473242
254883	ALLCH	416404!	25620408	TROS	451948	258511AA	WALKE	413469!	258511JJ	Y-T	473242
25492	LAU	470954!	2562047	CHRY	HU009A	258511AB	WALKE	417501	258511K	WALKE	411376!
2549RC	SUL	417513	25620804	TROS	40566S	258511AB	Y-T	417501	258511K	Y-T	411376!
254A14407.5	TROS	470596	25620805	TROS	470898!	258511AC	WALKE	415991	258511KK	WALKE	471413!
254R	TIMKE	254PKG	25620806C	TROS	470898!	258511AC	WALKE	455146!	258511KK	Y-T	471413
2550	C-R	240435	25620807	TROS	470898	258511AD	Y-T	473010!	258511L	WALKE	472572!
2550106	CHRY	370001A	25620807.5	TROS	470898	258511AH	Y-T	473179!	258511L	Y-T	472572!
255010XX	TIMKE	25X50X10	25620810	TROS	470898	258511AK	EATON	471103!	258511LL	WALKE	474264
25514	C-R	65X80X8V	25620811	TROS	470898	258511AK	WALKE	471103!	258511LL	Y-T	474264
25515	C-R	5123	256210A	HARWA	25X62X10	258511AK	Y-T	471103!	258511M	WALKE	471224!
25518	C-R	226510	256210XX	TIMKE	25X62X10	258511AM	Y-T	470625!	258511M	Y-T	471224!
25519058	GMC	473241	25625	C-R	415302	258511AO	Y-T	470898	258511MM	WALKE	473245!
2551RC	SUL	415988	256258	BRCWY	473215!	258511AQ	Y-T	415551	258511N	WALKE	417181!
255207XX	TIMKE	25X52X7	256273	BRCWY	450593!	258511AR	Y-T	476838!	258511N	Y-T	417181!
255208XX	TIMKE	25X52X8	25630	C-R	455311	258511AW	Y-T	455134!	258511NN	EATON	415991
255210XX	TIMKE	25X52X10	256302SP	TRSCM	5123	258511B	WALKE	410102	258511NN	EATON	455146!
25522192	GM	427RR	256345TA	TRSCM	413479	258511B	Y-T	410102	258511NN	WALKE	415991

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258511NN	WALKE	25981-82300	SUZUK	26001-7090	GARLK	26137	UNIVE
258511O	WALKE	259854R91	IH	26001-7093	GARLK	26138	C-R
258511O	Y-T	259895R92	IH	26001-8000	GARLK	26139	C-R
258511P	WALKE	25990	C-R	260017023	GARLK	26141	C-R
258511PP	WALKE	259960	ALLCH	26002612	GMC	26142	C-R
258511PP	WALKE	25996D	IH	26004811	GMC	26144	C-R
258511PP	Y-T	259R	TIMKE	2600888	CHRY	26146	C-R
258511Q	WALKE	25CJ1-1	BR-WN	26009	LAU	26147	C-R
258511QQ	WALKE	25FTD1	BR-WN	26009831	GMC	26148	C-R
258511R	WALKE	25M-1	BR-WN	26010792	GMC	26149	C-R
258511R	Y-T	25W1	BR-WN	2601099	CLARK	26150	C-R
258511R91	IH	25X35X7	NATL	260110	CLARK	26150	MICH
258511RR	WALKE	25X35X7SC	TRSCM	260110	CLARK	26150	UNIVE
258511RR	Y-T	25X35X7TC	TRSCM	26011061	GMC	26152	C-R
258511S	WALKE	25X36X7ASN(32)	ISP	26011597	GMC	26153	C-R
258511S	Y-T	25X36X8SC	TRSCM	260135R91	IH	26154	C-R
258511SS	WALKE	25X36X8TC	TRSCM	260135R91	IH	26156	UNIVE
258511SS	Y-T	25X37X7SC	TRSCM	26018700	GMC	261576C91	IH
258511T	WALKE	25X37X7TC	TRSCM	26025152	GMC	26162	MICH
258511T	Y-T	25X38X7SC	TRSCM	26025959	GMC	26162	UNIVE
258511TT	WALKE	25X38X7TC	TRSCM	26025977	GMC	26163	C-R
258511U	WALKE	25X40X7SC	TRSCM	26026792	GMC	26165	C-R
258511U	WALKE	25X40X7TC	TRSCM	26026973	GMC	26167	C-R
258511U	Y-T	25X40X8SB	TRSCM	26029137	GMC	26168	C-R
258511U	Y-T	25X42X10SC	TRSCM	26029139	GMC	26169	C-R
258511UU	WALKE	25X42X10TC	TRSCM	26030	GARLK	261733	SPERY
258511UU	Y-T	25X42X6AN	ISP	26031569	GMC	26175	C-R
258511V	WALKE	25X42X8SC	TRSCM	26033578	GMC	26175	MICH
258511V	Y-T	25X42X8TC	TRSCM	26037278	GMC	26175	UNIVE
258511VV	WALKE	25X45X8SC	TRSCM	26037309	GMC	26176	C-R
258511VV	Y-T	25X45X8TC	TRSCM	2603865	TREME	26178	C-R
258511W	WALKE	25X46X7SC	TRSCM	2603979	TREME	26179	C-R
258511WW	WALKE	25X46X7TC	TRSCM	26041M	DIA	26180	C-R
258511WW	Y-T	25X47X7SC	TRSCM	26042234	GMC	26182	C-R
258511X	WALKE	25X47X7TC	TRSCM	26043	MINNM	26182	UNIVE
258511XX	WALKE	25X50X10SC	TRSCM	26043126	GMC	26183	C-R
258511XX	Y-T	25X50X10TC	TRSCM	2604491	FORD	26183	MICH
258511Y	WALKE	25X50X8AS	ISP	26047378	GMC	26184	C-R
258511Y	Y-T	25X52X10SC	TRSCM	26050	GARLK	26185	C-R
258511YY	WALKE	25X52X10TC	TRSCM	26057167	GMC	26186	C-R
258511YY	Y-T	25X52X7SC	TRSCM	26057638	GMC	26186	C-R
258511Z	WALKE	25X52X7SG	TRSCM	2605RC	SUL	26186	HYST
258511Z	Y-T	25X52X7TC	TRSCM	2606104	TREME	26188	C-R
258511ZZ	WALKE	25X52X8SC	TRSCM	26064028	GMC	26189	C-R
258511ZZ	Y-T	25X52X8TC	TRSCM	26064029	GMC	26190	C-R
25890	GARLK	25X62X10	FORSH	26064030	GMC	26191	C-R
25897	WHITE	25X62X10	SIMRT	260666	HYST	26193	C-R
258R	TIMKE	25X62X10AS	ISP	2607380	CLARK	26193-0291	GARLK
258T2	WHITE	25X62X10SC	TRSCM	2607RC	SUL	26193-0541	GARLK
25907C	DIA	25X62X10TC	TRSCM	260R	TIMKE	26193-0714	GARLK
25909	STAR	25X62X7AS	ISP	261-A5291	BENDI	26193-13	GARLK
25910	GARLK	26-68493	MERCM	261-A5292	BENDI	26193-1329	GARLK
25914613.5	TROS	26-8272	B-L-H	26108	C-R	26193-1482	GARLK
259147	ACF	26-8272	B-L-H	26110	C-R	26193-3130	GARLK
2592	C-R	26-97530	MERCM	2611035	WOOL	26193-4701	GARLK
259220	RELEE	260004R91	IH	261122	C-R	26193-5085	GARLK
25925	GARLK	26001-5239	GARLK	26118	C-R	26193-51	GARLK
25930	C-R	26001-6069	GARLK	26120	C-R	26193-6099	GARLK
259323C91	IH	26001-6133	GARLK	26121	C-R	26193-6103	GARLK
25935	C-R	26001-6284	GARLK	2612252	ALLCH	26193-6113	GARLK
2594	C-R	26001-6304	GARLK	26123	C-R	26193-6156	GARLK
259407PTBJ	TRSCM	26001-7007	GARLK	26124	C-R	26193-6169	GARLK
25950	C-R	26001-7011	GARLK	26126	C-R	26193-6186	GARLK
25951	C-R	26001-7012	GARLK	26128	C-R	26193-7482	GARLK
25956	C-R	26001-7013	GARLK	26128	C-R	26193-7501	GARLK
25960	C-R	26001-7020	GARLK	26130	C-R	26193-7504	GARLK
25965	C-R	26001-7021	GARLK	2613075	DANA	26193-7510	GARLK
25966	C-R	26001-7024	GARLK	2613128	DANA	26193-7512	GARLK
25968	C-R	26001-7033	GARLK	26132	C-R	26193-7517	GARLK
25970	C-R	26001-7034	GARLK	261336	SPERY	26193-7518	GARLK
25978404	ALLCH	26001-7055	GARLK	26134	C-R	26193-7520	GARLK
259805	HYST	26001-7080	GARLK	26137	MICH	26193-7521	GARLK

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26193-7534	GARLK	476842	2620331	ACDEL	5573	2620409	ACDEL	9864S	26244	C-R	415458
26193-8356	GARLK	481481	2620332	ACDEL	415857	2620410	ACDEL	9911S	26245	C-R	415458!
26193-88	GARLK	471466!	2620333	ACDEL	417480	2620411	ACDEL	9912	262499R91	IH	416271!
26193-8949	GARLK	481481	2620334	ACDEL	5589	2620412	ACDEL	9913	2624RC	SUL	417211!
26193-8952	GARLK	471633!	2620335	ACDEL	414045	2620465	MERCM	7840S	2625431	MERCM	471466
26193-9489	GARLK	471570!	2620336	ACDEL	5871	26205	C-R	415458!	26255	C-R	415458!
26193-9490	GARLK	471649!	2620337	ACDEL	6064	2620513	MERCM	254287	2625776	MERCM	330385
26193-9675	GARLK	450400	2620338	ACDEL	6077	2620530	MERCM	340787	2625837	MERCM	472475
26193-9879	GARLK	335924N	2620339	ACDEL	6241S	26206	C-R	415458!	26260	C-R	415458!
26193-9971	GARLK	481181!	2620340	ACDEL	493291	26207	C-R	415458!	262611	WALKE	472397!
26193-9975	GARLK	472015!	2620343	ACDEL	6781	26208	C-R	415458!	2626209	MERCM	240731
26193-9991	GARLK	481443!	2620344	ACDEL	6815	26208	LAU	471267!	2626226	MERCM	471571
26193-9992	GARLK	480581	2620345	ACDEL	6840S	262088	ALLCH	417650=	26265	C-R	415458!
261937488	GARLK	471551!	2620346	ACDEL	9568	26208M	DIA	415001!	26266	C-R	415458!
26194	C-R	417079	2620348	ACDEL	6952S=	26209	C-R	415458*	2626782	MERCM	343185
26195	C-R	417079	2620349	ACDEL	6954S	26209	C-R	415458!	26272	C-R	3813
261A5293	BENDI	471466!	2620350	ACDEL	44053	2620948	MERCM	471538!	26275	C-R	417343!
261D4	WHITE	50631	2620351	ACDEL	6960	26211	C-R	415458!	26276	C-R	417343!
261R	TIMKE	261PKG	2620352	ACDEL	6966S	262112	C-R	472843	2627OS	JN-MN	417487
2620068	MERCM	471466	2620353	ACDEL	205017	262114	C-R	473437	2628	TIMKE	2628
2620070	MERCM	340724!	2620354	ACDEL	6985	262118	C-R	470682	26283	C-R	417343=
26202	C-R	415458!	2620355	ACDEL	473317	262118	GR-DV	470682	26283	C-R	417343
2620250	MERCM	470954!	2620358	ACDEL	7245	262119	C-R	451469	26283	VICK	473231!
2620256	ACDEL	7107A=	2620359	ACDEL	7537S	262119	CLARK	451469	26284	C-R	417343!
2620280	ACDEL	1012N	2620360	ACDEL	7600S	262120	C-R	473232	262843C91	IH	451143
2620281	ACDEL	224045	2620361	ACDEL	7607	262120	CLARK	473232	26286	C-R	417343!*
2620282	ACDEL	227040	2620362	ACDEL	7686S	262120M1	C-R	473232	2628643	MERCM	472475
2620283	ACDEL	203006	2620363	ACDEL	7687S	262122	C-R	473235!	2628HCR	SPG	2628!
2620284	ACDEL	203008	2620364	ACDEL	5113	262123	C-R	450068	2629	CALSO	204038
2620285	ACDEL	205044	2620366	ACDEL	472164	262123	MINMA	450068	26292	C-R	416654
2620286	ACDEL	2081	2620367	ACDEL	7886S	262124	C-R	472185!	26293	C-R	417343!
2620287	ACDEL	2146	2620368	ACDEL	471821	262124	CLARK	472185!	26294	C-R	417343!
2620288	ACDEL	4250	2620369	ACDEL	7934S	262124	GR-DV	472185!	26297	C-R	417343!
2620289	ACDEL	2669	2620370	ACDEL	7994S	262124K	BENDI	471801!	26298	C-R	417343!
2620290	ACDEL	2689S	2620371	ACDEL	8121S	262124M1	C-R	472185!	262997	ALLCH	450621
2620292	ACDEL	291295	2620372	ACDEL	8133S	262125	C-R	50266	262A15204	TROS	5070
2620293	ACDEL	292594	2620373	ACDEL	8139	262126	C-R	472070	262A15604	TROS	6064
2620294	ACDEL	331301N	2620374	ACDEL	8168=	262127	C-R	473451!	262A20005	TROS	8139
2620294A	GMC	331301N	2620375	ACDEL	8243	262128	C-R	472439	262R	TIMKE	262PKG
2620295	ACDEL	340356	2620376	ACDEL	8293S	26213	C-R	415458!	262W120	C-R	473232
2620297	ACDEL	40185	2620377	ACDEL	473228	262130	C-R	472319	262W120-M1	C-R	473232
2620298	ACDEL	471787	2620378	ACDEL	8429S	26215	C-R	415458!	262W124	C-R	472185!
2620299	ACDEL	40769S	2620379	ACDEL	6960	262153	ACF	476838!	262W124-M1	C-R	472185!
26203	C-R	415458!	2620380	ACDEL	8477S	26216	C-R	415458!	26302	C-R	417343!
2620300	ACDEL	40973S	2620381	ACDEL	8549S	26216	JN SON	455144	26303	VICK	472185!
2620301	ACDEL	41257	2620382	ACDEL	8594S	2621642	MERCM	343185	26305	C-R	417343!
2620302	ACDEL	4148	2620383	ACDEL	8597S	2621670	MERCM	240119	26306	C-R	417343!
2620304	ACDEL	442380	2620384	ACDEL	8660S	26217	JN SON	J1119	26310	C-R	200392
2620305	ACDEL	470380	2620385	ACDEL	8695S	2621740	MERCM	340787	26310	HYST	415437
2620306	ACDEL	473228	2620386	ACDEL	8704S	2621757	MERCM	340815	263122	C-R	473235!
2620307	ACDEL	450143	2620387	ACDEL	8705S	2621970	MERCM	340724!	263128	C-R	472439
2620308	ACDEL	482253	2620388	ACDEL	9569S	2622	C-R	471424!	26313	C-R	415007
2620309	ACDEL	451948	2620389	ACDEL	8835S	26220	C-R	415458*	26314	C-R	415007
2620310	ACDEL	470487	2620390	ACDEL	8871	26220008	TROS	205044	263148	GMC	471750!
2620311	ACDEL	471862	2620391	ACDEL	8940S	26220F	DIA	473238	263148	ROSS	450048
2620312	ACDEL	450776	2620392	ACDEL	8974S	26221	C-R	415458!	2632	DURA	450593!
2620313	ACDEL	451182	2620393	ACDEL	9015S	26223	C-R	415458!	26324SA	TRSCM	451143
2620314	ACDEL	410987	2620394	ACDEL	9049N	26226402	ALLCH	472324!	2632511	MERCM	471766!
2620315	ACDEL	412119	2620396	ACDEL	9116S	26227	C-R	415458!	26328	C-R	415007*
2620316	ACDEL	415458	2620397	ACDEL	9150S	2622710A	ACDEL	5123	26328	C-R	417483
2620317	ACDEL	473228	2620398	ACDEL	9161	2622711A	ACDEL	416125	2632D	GOODM	418028
2620318	ACDEL	4148	2620399	ACDEL	9178S	2622712A	ACDEL	5121	2632D	GOODM	455137!
2620319	ACDEL	472560N	26204	C-R	415458!	26229	C-R	415458!	26330	C-R	415007*
2620320	ACDEL	410987	2620400	ACDEL	9195S=	2623001	FMC	471647	26331	C-R	415007*
2620321	ACDEL	5109	2620401	ACDEL	9342S	2623028	FMC	472164!	26334TA	TRSCM	413248
2620322	ACDEL	473228	2620402	ACDEL	9363S	2623300	MERCM	470954	263448	JEFF	450104
2620323	ACDEL	410825	2620403	ACDEL	9406S	2623517	MERCM	470954!	263463	GMC	472560N!
2620326	ACDEL	51322	2620404	ACDEL	8705S	26237	C-R	415458!	2634D	GOODM	476470
2620327	ACDEL	484054	2620405	ACDEL	9568	26238	C-R	415458!	2634F	GOODM	476470
2620328	ACDEL	484058	2620406	ACDEL	9569S	26239	C-R	415458	26351	WHITE	471820
2620329	ACDEL	5499=	2620407	ACDEL	9762S	26242	C-R	415458!	26352	C-R	417082
2620330	ACDEL	417485	2620408	ACDEL	8705S	26243	C-R	415458!	26353	C-R	417082

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26353TB TRSCM	415483	26450 TMTR	471554!	26650 C-R	68X90X7*	267R TIMKE	267PKG
26354 C-R	417082	264530R91 IH	471442!	26651 C-R	68X90X10!*	26800 EUROS	229005
263544TL TRSCM	417079	264532R91 IH	471564	26652 C-R	68X90X10V	26800 EUROS	229006
26354SA TRSCM	415483!	264533R91 IH	471766!	26652 C-R	710440	268000 ACF	415027
26356 C-R	417082	264534R91 IH	410708	26653 C-R	68X90X10V	268112 C-R	450776!
26358 C-R	712625	26454 MALL	481537	26657 C-R	68X90X10V	268114 C-R	471862
26359 C-R	5971	26457PTB TRSCM	9773	2666 HWY	471571	268120 C-R	481864
26360 C-R	5971	264589 HYST	417181!	26660 C-R	68X95X10	268121 C-R	450073
2636054 MERCM	471272!	26460 C-R	6592S=	26660 C-R	68X95X8*	268122 ALLCH	200939* =
26361 C-R	416278	264633R91 IH	412473!	26661 C-R	226840	268122 C-R	474265
26363PTB TRSCM	415458	264634R91 IH	473447	266638 CLIMX	471254	268122 GR-DV	474265
26363TB TRSCM	415458	26467 LAU	471466!	266674R91 IH	415449!	268122M1 BUTBN	474265
26364SA TRSCM	415458	264674R91 IH	473367!	266675R91 IH	416288!	268122M1 C-R	474265
26364TA TRSCM	415458	264674R91 IH	473367	266676R91 IH	415034!	268123 C-R	50075=
26368 C-R	418027!	264693R91 IH	473447	266677R91 IH	473245!	268124 C-R	470334!
26368 GOODM	418028	264694R91 IH	473367!	266698 ACF	473231!	268124M1 C-R	470334!
2636D GOODM	455137!	264694R91 IH	473367	26670 C-R	68X100X13	268125 C-R	450269
263707XX TIMKE	26X37X7	264695R91 IH	415379	266726R91 IH	416163	268126 C-R	471866!
26373 C-R	9773	264696R91 IH	417211!	266727R91 IH	417539!	268128 C-R	471868
26373TA TRSCM	417343!	264697R91 IH	412473!	266728 HYST	200912=	268130 C-R	473459!
26374TA TRSCM	410708	264699R91 IH	415437	26673 C-R	68X100X10	268130 C-R	473459
26378 C-R	9773	264700R91 IH	210914	266733R91 IH	210914	268130M1 C-R	473459!
263805XX TIMKE	26X38X5	264701R91 IH	415449!	2667346 FMC	471192	268130M1 C-R	473459
2638105 MERCM	470625!	264707XX TIMKE	26X47X7	2667346 PEERC	471192	268131 C-R	450472!
263821R91 IH	472439	264745R91 IH	210945	266736R91 IH	470712!	2682 C-R	471870!
2638D GOODM	416865!	26480 C-R	6592S=	266737R91 IH	476470!	268419 GMC	471763
263922R91 IH	471413	264807XX TIMKE	26X48X7	266737R91 IH	476470	268440 GMC	472179
26395 VICK	471466!	26490 LAU	470328	266784C91 IH	472311!	268465 GMC	450307
263R TIMKE	263PKG	26490 LAU	481213!	2667871 FMC	474255	26850F DIA	415988
264-A4011 BENDI	415072	264A-401 ROCKW	415072	2667874 FMC	450090	268542 GMC	417316!
264007XX TIMKE	26X40X7	264R TIMKE	264PKG	2667874 FORD	370047A	26860 C-R	455151
26402 US-EL	415449!	26515 STAR	7186S	2667874 PEERC	450090	268630022 GA-WO	240119
26409 US-EL	474264	265208XX TIMKE	26X52X8	26683 C-R	68X100X13!	268630058 GA-WO	340817
2640D GOODM	415023	265283 GMC	474278!	26695 C-R	710275	268630061 GA-WO	476838!
2640OS JN-MN	416404!*	26542D IH	470950!	2669OS JN-MN	415327*	268630090 GA-WO	451857
26410 US-EL	471717!	26542D IH	6241S	2669S SPG	2669	268630190 GA-WO	473463
26415 EATON	472015!	2654799 MERCM	17760	266R TIMKE	266PKG	268630312 GA-WO	455655!
264179C91 IH	470530	26549M DIA	470530!	267022R91 IH	471733	268630313 GA-WO	415458!
264183 GMC	471224!	2655 TIMKE	2655	267057 JEFF	473225!	268630331 GA-WO	416664!
2641OS JN-MN	415458!	2655F IH	473213!	267059 JEFF	417487	268630373 GA-WO	417349
264207XX TIMKE	26X42X7	265659 HYST	JV1304	2671167 PEERC	471737=	268630400 GA-WO	417351!
264210XX TIMKE	26X42X10	26570D IH	415035!	2671168 FMC	472258!	268630481 GA-WO	415379
2642OS JN-MN	417621!	26570D IH	415035	2671168 PEERC	472258=	268630487 GA-WO	415437
2643464 CHRYS	9342S	2658 TIMKE	2658	26730 C-R	6532S=	268630507 GA-WO	416345!
264356 ALLCH	471442!	2658111 MERCM	470390	267371 HYST	473232!	268630509 GA-WO	415697!
264381 RCA	350156	265897 AUTOZ	TCS45961	2673838 MERCM	470328	268630509 GA-WO	455547
264381 RCA	473096	265908 AUTOZ	BS40182	2673838 MERCM	481213!	268630515 GA-WO	415035!
264398 RCA	6863S!	2659093 FMC	240736	2674 NATL	370054A	268630515 GA-WO	415035!
2643R SPG	2643N=	2659093 PEERC	240736	2674 TIMKE	2674	268630595 GA-WO	415351!
26444 HYST	412119!	2659757 CHRYS	417262!	26745 C-R	6532S=	268630621 GA-WO	415371
26448-0114 GARLK	471553!	2659993 FMC	470806	26747 C-R	710091	268630643 GA-WO	416154!
26448-0542 GARLK	471192	2659993 PEERC	470806	26748 C-R	68X88X8!	268630673 GA-WO	417525!
26448-0550 GARLK	470950!	265R TIMKE	265PKG	26748 C-R	710334	268630691 GA-WO	417541
26448-0550 GARLK	6241S	266124 C-R	470334!	26749 C-R	710334	268630742 GA-WO	415610
26448-0648 GARLK	470380!	2661738 FMC	450604	26752 C-R	455434	268630747 GA-WO	455576!
26448-0837 GARLK	473234!	2661RC SUL	471689!	267538 HYST	415447	268630748 GA-WO	417362!
26448-1474 GARLK	471272!	2662 C-R	471870!	267583 HYST	415447	268630750 GA-WO	416666
26448-2120 GARLK	417344!	26620 C-R	7780	26760 C-R	455151	268630815 GA-WO	415074
26448-6231 GARLK	473231!	266218R91 IH	473405	26761 C-R	455151*	268630901 GA-WO	416395=
26448-6252 GARLK	472164!	26625 C-R	710234	267616R91 IH	417355!	268630915 GA-WO	415551
26448-6436 GARLK	476820	2662818 MERCM	473230	26763 C-R	410987!	268630948 GA-WO	417600
26448-6870 GARLK	455134!	2662LPD JN-MN	416107!	26769C DIA	473231!	268630970 GA-WO	415128
26448-7033 GARLK	470954!	2662OS JN-MN	416107!	26773 AMC	471570!	268632072 GA-WO	J1127
26448-7090 GARLK	471271!	2662OS JN-MN	455073	2677634 MERCM	471570!	268695 IH	473467!
26448-7256 GARLK	472446	26630 C-R	68X85X8	267807 ALLCH	J1110=	268695R91 IH	473467!
26448-7295 GARLK	416127	26640 C-R	68X88X8!	26784 JNISON	473238!	268697R91 IH	470530!
26448-9508 GARLK	471466!	26640 C-R	710446	26784C DIA	410987!	268698R91 IH	415995!
26448-9509 GARLK	471264!	26640 HYST	450143	267868 SPERY	340930	268698R91 IH	415995!
26448-9994 GARLK	471689!	26648 C-R	68X90X10!	26790 EUROS	227550	268699R91 IH	412920!
26449 TMTR	473232!	2665 HWY	471571	26790 EUROS	75X100X12!	268721 GMC	472179
26449 VICK	417621!	2665 NATL	224820	267981 GMC	470059	26875 C-R	455151
26450 C-R	6846S=	26650 C-R	68X90X10	267981 GMC	470380!	26877 C-R	486857

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
2688 HWY		450033	270380C91 IH		416921!	27204 BOSTN		450593!	27292 C-R		227040
268843 GMC		470590	2704638 SPICE		471766!	2720401 EIMCO		472319	27292 C-R		417484!
26889 LAU		481443!	2704S SPG		2704=	2720403 EIMCO		470487!	27293 C-R		417484*
2689 HWY		471760	27063-0213 GARLK		471267!	27208 BOSTN		471870!	27294 C-R		417484!
2689 NATL		2689S	27063-6100 GARLK		471760	27210 BOSTN		470334!	27295 C-R		417484!
26890 C-R		365008	27063-6113 GARLK		1049	27210 C-R		310841	27296 C-R		417484!
268911 HYST		417541	27063-6169 GARLK		471652	272112 C-R		450456!	27297 C-R		417484!
26897C DIA		6532S=	27063-7521 GARLK		6668S	272118 C-R		450803	27298 C-R		417484!
26898C DIA		6532S=	27063-9502 GARLK		6863S!	272122 C-R		450765!	27299 C-R		417484!
26898R DIA		415437	27063-9509 GARLK		471264!	27214 BOSTN		471750!	272A451 BENDI		472826!
26898R DIA		415437!	27063-9515 GARLK		471267!	27216 BOSTN		471255!	272R TIMKE		272PKG
26899C DIA		415060	27063-9528 GARLK		6668S	27218 BOSTN		471276	272W2 C-R		474272
26899C DIA		455060	27063-9530 GARLK		472213	2722 C-R		474272	27301 C-R		417484!
2689BX1 SPG		2689	27074815 WHITE		370338A	27220 BOSTN		471549!	2730201 EIMCO		415995!
2689S TIMKE		2689S	27075348 WHITE		386025A	27220 BOSTN		472467	27303A EIMCO		415035!
268R TIMKE		268PKG	27076255 WHITE		370037A	27223-0215 GARLK		471570!	27303A EIMCO		415035
268W116 C-R		470487=	27076255 WHITE		370338A	27223-0287 GARLK		471224!	2730402 EIMCO		411245!
268W116 C-R		470487	27076258 WHITE		386025A	27223-0359 GARLK		471763	27305 C-R		417484!
268W116M1 C-R		470487=	27076259 WHITE		386025A	27223-0760 GARLK		473231!	27307 KELSE		416339
268W116M1 C-R		470487	27076260 WHITE		370037A	27223-4600 GARLK		474256	27307 KELSE		455031!
268W122 C-R		474265	27076260 WHITE		370349A	27223-5051 GARLK		471276	273095R91 IH		415984!
268W122-M1 C-R		474265	27076261 WHITE		370037A	27223-6176 GARLK		473259	27310 C-R		415984!*
268W124 C-R		470334!	27076261 WHITE		370349A	27223-6282 GARLK		476511=	273130 C-R		473241
268W124-M1 C-R		470334!	27076262 WHITE		370037A	27223-6329 GARLK		476519=	27315 C-R		415984!*
268W130 C-R		473459	27076262 WHITE		370349A	27223-6486 GARLK		476510=	27316 C-R		415984!*
268W130-M1 C-R		473459	27076274 WHITE		370349A	27223-6557 GARLK		471379	27324 C-R		415984!*
2690 HWY		476838!	270773 ALLCH		417316!	27223-6639 GARLK		473197	27326 C-R		415984!*
269039 ACF		473214!	2708026 GMC		370181A	27223-6738 GARLK		472239	27327 C-R		415984!*
26904W DIA		5957S	27089D IH		415001!	27223-7033 GARLK		470954!	2732M1 C-R		472492!
26905 C-R		455008	27093H IH		473463	27223-7198 GARLK		472237=	273301C91 IH		5403
2692 TIMKE		350936	270954 GMC		340413	27223-89 GARLK		471264!	273302C91 IH		5403
26920 C-R		455008	270R TIMKE		270PKG	27223-96 GARLK		471612	27331 C-R		5951
26921 C-R		455008	2710101 EIMCO		473243	27225 C-R		710038	27332 C-R		415984!
269220R91 IH		472924!	27109090 WHITE		386025A	272257 ALLCH		471424!*	27333 C-R		415984!
2693 HWY		470625!	27109091 WHITE		386025A	27230 C-R		417484	27334 C-R		415984!
2694038 MERCM		472324!	2711035 WOOL		471270!	27233 BL-KN		473215!	27335 C-R		415984!
269462 ACF		410694!	271116 C-R		50345=	272336 ALLCH		417349=	27336 CATER		470380!
26950 C-R		455008	271131 C-R		450655=	272354 BL-KN		471766!	27337 VICK		353120
26966F DIA		470334!	27118 C-R		450341	27230S JN-MN		410308!	27338 C-R		417316!
26990K IH		472636!	271281 SPERY		473228	27244 BOSTN		471526!	27339 KELSE		415035
2699325 MERCM		471529	27130 JN SON		455566	27246 BOSTN		471570!	27339 KELSE		415035!
26996 BOSTN		476820	27133 JN SON		J1122	27248 BOSTN		450588!	27340 C-R		417316!
2699S SPG		2699=	271337R1 IH		415035	27250 BOSTN		471649!	27343 C-R		417316!
269GG130 C-R		473459	2715 WOODB		472193!	27250 C-R		480491	27346 C-R		417316!
269GG130 C-R		473459!	27150 MICH		473414	27251 C-R		480491	27346HA IH		473464!
269R TIMKE		269PKG	27150 UNIVE		473414*	27252 BOSTN		471818	27346HA IH		473464
26H7693 FORD		240698	271592 ALLCH		471141!	27254 BOSTN		471141!	27346HB IH		473464!
26X1828 GARLK		455079!	27159201 ALLCH		471141!	27254 C-R		416664!	27346HB IH		473464
26X37X7SC TRSCM		26X37X7	271597R91 IH		471442!	272545 SPERY		473227!	27348 C-R		417316!
26X37X7TC TRSCM		26X37X7	27162 MICH		473414	27256 BOSTN		470380!	27349 C-R		417316!
26X38X5SC TRSCM		26X38X5!	27162 UNIVE		473414	27257 C-R		416664!	27340S JN-MN		415138!*
26X38X5TC TRSCM		26X38X5!	27178 BOSTN		471466!	27258 C-R		416664!	27352VB TRSCM		45827S
26X40X7SC TRSCM		26X40X7!	271797R91 IH		450269	27260 BOSTN		350364	273534SA TRSCM		457291
26X40X7TC TRSCM		26X40X7!	271799R91 IH		450269	27260 HYST		470712!	27354 C-R		417316!
26X40X8SB TRSCM		471076	27180 BOSTN		471224!	27262 BOSTN		330385!	273544PTA TRSCM		417484
26X42X10 NATL		223606	27182 BOSTN		470954!	27264 BOSTN		441130	27354SA TRSCM		416664
26X42X10SC TRSCM		26X42X10	27182 UNIVE		473415	27266 C-R		45827S	273564R91 IH		415437
26X42X10TC TRSCM		26X42X10	271821C91 IH		417555!	27268 C-R		416664!	273565R91 IH		415458!
26X42X7ASN(32) ISP		26X42X7	27183 MICH		473415	27269 C-R		416664!	273566R91 IH		210945
26X47X7SC TRSCM		26X47X7	27184 BOSTN		471264!	27270 C-R		416664!	273570R91 IH		470530!
26X47X7TC TRSCM		26X47X7	27186 BOSTN		471554!	27271 C-R		45827S	273571R91 IH		473447
26X48X7SC TRSCM		26X48X7!	27188 BOSTN		471652	27276 C-R		416664!	273572R91 IH		210914
26X48X7TC TRSCM		26X48X7!	27192 BOSTN		471766!	27278 BOSTN		340827	273573R91 IH		473467!
26X52X8SC TRSCM		26X52X8	27193 JN SON		J1126	27278 C-R		416664!	273574R91 IH		415995!
26X52X8TC TRSCM		26X52X8	27193 US-EL		471764!	27279 C-R		416664!	273574R91 IH		415995!
27006 ALLCH		416339	27194 BOSTN		476838!	272797R91 IH		450269	273575R91 IH		415995!
27006 ALLCH		455031!	27194 JN SON		415379	27280 C-R		416664!	273578R91 IH		470530!
270065R91 IH		415379!	27194 JN SON		415379!	27281 C-R		416664!*	273580R91 IH		471570!
2701&1701 STEM		386025A	27196 BOSTN		6760S	27284 C-R		457291	273581R91 IH		473367
2701521 ALLCH		415458=	27198 BOSTN		471192	27285 C-R		457291*	273581R91 IH		473367!
270178 KOHL		472572!	271R TIMKE		271PKG	27280S JN-MN		471192	273582R91 IH		417354!
27023 FUNK		415960!	27200 BOSTN		473233!	27291 C-R		417484!	273584R91 IH		417211!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
273585R91	IH	417351!	2744	CHEL	450326	275116M1	C-R	473440!	275W114	C-R	450808
27359	C-R	417316!	27440	C-R	415960!	275118	C-R	473441	275W116	C-R	473440!
2735OS	JN-MN	415076*	27440	C-R	415960	27512	HARN	472179	275W116-M1	C-R	473440!
27361	C-R	417316!	27443	C-R	415960!	275120	C-R	474274	275W118	C-R	473441
27362	C-R	417316!	27444	C-R	415960!	275120M1	C-R	474274	275W118-M1	C-R	473441
27364	C-R	417316!	27447	C-R	415960!	275121	C-R	450284 =	275W120	C-R	474274
27365	C-R	417316	27448	C-R	415960!	275121M1	C-R	450284 =	275W120M1	C-R	474274
27366	C-R	417316	274484R91	IH	473228!	275122	C-R	473236!	275W122	C-R	473236!
27366	C-R	417316 =	27450	C-R	415960	275122M1	C-R	473236!	275W122-M1	C-R	473236!
27367	C-R	417316!	274508XX	TIMKE	27X45X8	275123	C-R	50191	275W124	C-R	472179
27368	C-R	417316!	27452	C-R	415960!	275123M1	C-R	50191	275W124-M1	C-R	472179
27368	C-R	417316*	27452	C-R	4564V	275124	C-R	472179	275W126	C-R	473449
27369	C-R	417316!	27455	C-R	415960 =	275124	CABOT	472179	275W126-M1	C-R	473449
2736D	GOODM	417191	27455	C-R	415960	275124	GOODM	473238	275W128	C-R	472572!
2736D	GOODM	455165!	27456	C-R	415960	275124	GR-DV	472179	275W128-M1	C-R	472572!
27370	C-R	417316!	27458	C-R	415960*	275124	HARN	472179	275W128-T8	C-R	472572!
273701R91	IH	6863S!	27461	C-R	4564V	275124M1	C-R	472179	275W2	C-R	472492!
273707XX	TIMKE	27X37X7	274611	SPICE	472394	275124T7	C-R	472179	275W2-M1	C-R	472492!
27371	C-R	417316!	27463	C-R	415960*	275125	C-R	450285	2760	C-R	7X16X7
27372	C-R	417316!	274631	SPICE	472394	275125M1	C-R	450285	27600	C-R	416282*
27372VHY	TRSCM	46997S	274633	SPICE	473225!	275126	C-R	473449	27601	C-R	416282
27374SA	TRSCM	417316	274634	SPICE	473243	275126	FAIRB	473449	27605	C-R	416282*
27374TA	TRSCM	417316	274635	SPICE	416654!	275126M1	C-R	473449	2760600	EIMCO	416364!
27374TB	TRSCM	417316	274638	SPICE	471766!	275127	C-R	473452	276116	C-R	474281!
27377	C-R	417316!	27466	C-R	415960	275127M1	C-R	473452	276116M1	C-R	474281!
27379	C-R	417316!	27467	C-R	415960	275128	C-R	472572!	276118	C-R	450273
27383TB	TRSCM	415960	274672	DIA	472636!	275128M1	C-R	472572!	2761182300	SUZUK	223542
27384	C-R	46997S*	274672	WHITE	472636!	27519	CHAMP	415697!	2761182300	SUZUK	35X55X11!
27384SA	TRSCM	415960	27470	C-R	415960	275208XX	TIMKE	27X52X8	276118M1	C-R	450273
27384TA	TRSCM	415960!	27470	HYST	415960!	27525	C-R	55469	276119	C-R	450274
27384TB	TRSCM	415960	274706A	HARWA	27X47X10	27526	C-R	476574N	276119	GR-DV	450274
27385	C-R	417316!	27471	C-R	415960!	27529	C-R	476574N	276120	C-R	450275
273857C91	IH	415379!	27471	C-R	415960	2752M1	C-R	472492!	276120M1	C-R	450275
27387	C-R	417316!	27471	C-R	4564V	27530	C-R	55469	276124	C-R	473447
27388	C-R	417316!	274710A	HARWA	27X47X10	27531	HYST	471442!	276124M1	C-R	473447
27389	C-R	46997S	274710XX	TIMKE	27X47X10	27537	C-R	416706!	276125	C-R	480281!
2738T2	WHITE	417484!	27472	C-R	415960!	27540	C-R	416706!	276126	C-R	480281!
27394	C-R	46997S	27472	C-R	415960	27541	C-R	416706!	276126M1	C-R	480281!
27395SP	TRSCM	6643S	27474	C-R	415960!	27543	C-R	416706!	276128	C-R	473179
27397	C-R	417316!	27475	C-R	415960	27544	C-R	416706 =	276128M1	C-R	473179
273980R91	IH	415449!	27475	C-R	415960!	27546	C-R	416706!	27613	C-R	416282*
273981R91	IH	415034!	27476	C-R	415960!	27547	C-R	416706!	276130	C-R	450279
273982R91	IH	472179	27477	C-R	415960	27549	C-R	416706!	27614K	IH	474274
273985R91	IH	473245!	27479	C-R	415960	27550	C-R	416706!	27615	C-R	416282
273986R91	IH	416288!	27479	C-R	415960!	27555	C-R	416706*	2762	IH	450089
273987R91	IH	473245!	27480	C-R	415960	27558	C-R	417484	276202R91	IH	415995!
273988R91	IH	416288!	27481	C-R	415960	27558	C-R	4874N	276202R91	IH	415995!
273989R91	IH	415034!	27481	C-R	415960!	275597R91	IH	473447	276207R91	IH	417211!
27399	C-R	417316!	27483	C-R	415960	27560	C-R	416706 =	27621	C-R	55238
273R	TIMKE	273PKG	27492	C-R	415960	275604	SPG	412473!	27625	C-R	416961 =
27401	C-R	417316!	27492	C-R	415960!	27562	C-R	416706!	27630	C-R	6643S
274014	PEERC	473367!	274A2	C-R	472572!	27565	C-R	416706	276323	HYST	472924!
274014	PEERC	473367	274FF126-L	C-R	473449	2756867	MERCM	17795	276397C91	IH	415035
27402B	EIMCO	416865!	274G123	C-R	5836	27576	C-R	487678N =	27641	LAU	340771
27402VH	TRSCM	43086S	274G125	C-R	6781	2757682	GMC	370019A	27642	C-R	3591
27404PTA	TRSCM	416706	274G2	C-R	5865	27577	C-R	476281	2765	C-R	7X16X7V
2740601	EIMCO	416364!	274H131	C-R	450911N!	27578	C-R	486281N =	276603	HYST	417366!
2740D	GOODM	415025	274R	TIMKE	274PKG	27580	C-R	416282	2767	FWD	472179
27416	C-R	417316!	274Z116	C-R	473440!	27583	KELSE	415041	27676	LAU	7014S
27417	C-R	417316!	27501	C-R	415960*	275AW122-L	C-R	473234	2768012	CHRY	6840S
274210A	HARWA	27X42X10	2750101	EIMCO	472234	275B	WHITE	6863S!	2768017	CHRY	6960
274210XX	TIMKE	27X42X10	275013	SPG	415995!	275B124	C-R	472179	276983	HYST	413479
27424PTA	TRSCM	416282	275013	SPG	415995!	275G120	C-R	40286	276985	HYST	473212!
27427	WHITE	415449!	27505	C-R	415960!	275G124	C-R	40183S!	276G124	C-R	472179
27430	C-R	2222	275067	HYST	474272	275G2	C-R	40389S	276W116	C-R	474281!
274308XX	TIMKE	27X43X8	27510	C-R	415960	275G23	C-R	41013S	276W116-M1	C-R	474281!
27432-60B01	SUZUK	22353S	27511	C-R	415960!	275GL126	C-R	7600S	276W118	C-R	450273
274324	VICK	350435	275112	C-R	450463	275H125	C-R	450285	276W118-M1	C-R	450273
27438	C-R	370352A	275112M1	C-R	450463	275HD124	C-R	40183S!	276W120	C-R	450275
27438	C-R	5MR1009	275114	C-R	450808	275HD24	C-R	41013S	276W120-M1	C-R	450275
27438	C-R	710395	275114M1	C-R	450808	275HM120	C-R	40286	276W124	C-R	473447
27439	C-R	200942	275116	C-R	473440!	275N124	C-R	472179	276W124-M1	C-R	473447

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
276W126 C-R		480281!	278123 C-R		50289	27X47X7 SIMRT		27X47X10	28175 UNIVE		470590
276W128 C-R		473179	278124 C-R		470334!	27X47X8 FORSH		27X47X10	28180 C-R		475384
276W128-M1 C-R		473179	278124 C-R		50289	27X47X8 NATL		27X47X10	28181 C-R		475384
276W128-T8 C-R		473179	278127 C-R		414045!	27X47X8 SIMRT		27X47X10	28182 UNIVE		471137
276W130 C-R		450279	278128 C-R		414045!	27X52X8A ISP		27X52X8	28183 MICH		471137
276YM128 C-R		473179	278128M1 C-R		414045!	28-P-197 SPICE		473010	28187 MICH		471730
276YM128-L C-R		473179	2781F IH		455008	28-P-211 DANA		470530=	281W450 CONE		5399
277065 KOHL		473234!	27841-63B00 SUZUK		1213N	28-P-213 SPICE		481833V	281Y1-L C-R		6855N=
27710 C-R		70X85X8	27842-63B00 SUZUK		710286	28-P-225 DANA		472258=	28200 UNIVE		470645
27714 C-R		70X85X8!	27850 C-R		417316!	28-P-228 SPICE		470442V!	2820BT SPG		2820=
277181R91 IH		441130	2785001 BR-WN		J1122	28-P-230 SPICE		472070	282131C1+300845C91 IH		5066
277219C91 IH		416364!	27852A IH		473446	28-P-236 SPICE		470774	28220 C-R		475384*
27723 C-R		1021V	27853 KELSE		40566S	28-P-261 SPICE		472015	28220 TROS		416738!
27725 C-R		227020*	27860 C-R		475384	28-P52 SPICE		471766!	28220 TROS		450096
27725 C-R		70X88X8!	278616_C92 IH		370030A	28-P56 SPICE		471529	2822V TIMKE		472012
27726 C-R		70X88X9V	27875 MALL		471649!	28-P60 SPICE		450326	28238 HYST		471649!
27727 C-R		70X88X12	27876 LAU		471539!	2800-14669STLPD JN-MN		509503=	28246 SPERY		471192
277371 NEHO		5071	278773 ACF		470530!	2800-6841STLPD JN-MN		509503=	28246 VICK		471192
277383R91 IH		471255!	27887B HYST		6127	280018 BRCVY		50075=	2825713 CHRYS		340413
27739 C-R		70X90X10!	27897 LAU		471224!	28001H IH		416654	28260 C-R		411348!
27740 C-R		227040	278K1 WHITE		474278!	28001HA IH		416654	282609 ALLCH		473424!
27740 C-R		70X90X10!*	278W124 C-R		470334!	28002669 GM		4614N	2826106 CHRYS		482163!
27740 C-R		70X90X7*	278W124 C-R		50289	28002670 GM		4614N	2826106 DOMGA		482163!
27741 C-R		70X90X10!	278W128 C-R		414045!	2800OS JN-MN		471272!	282631 VICK		471504=
27743 C-R		227040	2791 TIMKE		2791	2801-32165 GARLK		473204	2826362 CHRYS		416654
27743 C-R		70X90X10V!	2792 TIMKE		2792	280122L C-R		473235	28265 AMC		473228
277433 BUC-E		415871	27925 HYST		473463	2801692 CHRYS		9376	28266D IH		412119!
27746 C-R		70X90X10!	279343C91 IH		415449!	2801733 CHRYS		9487	2826BT SPG		2826
27746 FMC		471766!	27947 CHAMP		415483	2801733 DOMGA		9487	28270 C-R		411348!
27748 C-R		70X92X12	279491R91 IH		415379=	28032 FUNK		472179	28275 C-R		411348!
27749 C-R		227045	279492R91 IH		415379=	28033 FUNK		415449!	28276 C-R		411348!*
27750 C-R		70X92X12!	279493R91 IH		415995!	28035 C-R		455005*	28288 VICK		418028
27752 FMC		476838!	279493R92 IH		415995!	28040 C-R		455005	28288 VICK		455137!
27755 C-R		70X95X10!	279494R91 IH		415995!	28041 C-R		455005	2829960 CHRYS		456744N
27755 C-R		70X95X13!*	279495R91 IH		415449=	280423 HYST		473230!	282W18 C-R		470806
27757 C-R		70X95X10V	279496R91 IH		415449=	2805OS JN-MN		472924!	282W18-M1 C-R		470806
27759 C-R		70X95X10	2794RC SUL		470334!	280661 ACF		6644	28308 C-R		227235
27768 C-R		70X100X10	279522 HYST		470682	280689 ACF		473214!	28310 C-R		1986
27770 C-R		70X100X13	2796RX SPG		2796	2806OS JN-MN		473225!	28312 C-R		1986
277724R91 IH		473228	2796SS0 SPG		2796	2807OS JN-MN		471605*	28325 C-R		474230
277727R91 IH		450593!	279731R91 IH		471255!	2808267 CHRYS		6840S	28325 C-R		72X90X10
277728R91 IH		470334!	279750R91 IH		417344	2808268 CHRYS		6960	28328 CHAMP		471466
277729R91 IH		471785!	279751R91 IH		412473!	2808269 CHRYS		8121S	2832BH SPG		5121
27773 C-R		70X100X10V	279751R92 IH		412473!	280886C91 IH		415958!	28330 C-R		72X90X10!
277730R91 IH		415938	279752R91 IH		412473!	280886C91 IH		415958	28332 C-R		710075
277730R92 IH		415938=	279754R91 IH		473467=	28100 C-R		455005	28333R91 IH		471765!
27775 C-R		70X100X13!	279755R91 IH		412473!	28101 TROS		471316	28340 C-R		72X95X10
27783 C-R		70X105X13	27990R91 IH		455040N=	28106AS HERCU		470712	283403R91 IH		470954!
27783 C-R		70X105X7*	279987R91 IH		415437!	2811035 C-W		416239!	28341 C-R		72X95X10!
27785 C-R		70X105X10!	279988R91 IH		415458=	2811035 WOOL		416239!	283442C91 IH		417530
27785 C-R		70X105X13!*	279989R92 IH		455685N=	281139 ACF		471570!	2834BG1 SPG		4148
27785 C-R		70X105X7*	279990R91 IH		455040N=	28116 C-R		417485	2834BG1 SPG		471424
27790 C-R		70X110X10!	27AF1 BR-WN		470954!	2811RC SUL		473405	2834OS JN-MN		55611*=
27791 C-R		70X110X10!*	27KH113 MACK		417350=	28120 C-R		417485	28354 C-R		72X100X10
27792 C-R		70X110X10!*	27KH114 MACK		417484!	28124D IH		415027	28355 C-R		72X100X12
277FF124 C-R		200354*	27KH116 MACK		5578	28124D IH		415027!	28358 C-R		72X100X12!
277FF23 C-R		6590S	27R-549 HOLLE		954014T	28127D IH		415043	28363TB TRSCM		415303!
277G124 C-R		203002	27UV-0625 WHITE		471141!	28137 MICH		471267!	2836D GOODM		415991
277GR124 C-R		204002*	27X37X7SC TRSCM		27X37X7	281374TL TRSCM		455005	2836D GOODM		455146!
277GR23 C-R		6590S	27X37X7TC TRSCM		27X37X7	28140 C-R		417485	28370 C-R		72X105X10
277HDR124 C-R		204002*	27X42X10 SIMRT		27X42X10	281404SA TRSCM		475384	2837D GOODM		417196!
277HMS24-T8 C-R		5589\$	27X42X10SC TRSCM		27X42X10	28141 C-R		417485	283807XX TIMKE		28X38X7
277HMS24-T8-L C-R		5589	27X42X10TC TRSCM		27X42X10	28143 DURA		417267	283842-C91 IH		370007A
2780 C-R		7X22X7	27X42X7A ISP		27X42X7	28150 MICH		471570!	28384SP TRSCM		9864S
27802 BOSTN		476816=	27X43X8SC TRSCM		27X43X8!	28150 UNIVE		471570!*	28384TA TRSCM		417158
27802 HYST		412871!	27X43X8TC TRSCM		27X43X8!	28153D IH		416288!	28385 C-R		72X110X10
278052R91 IH		415379!	27X45X8SC TRSCM		27X45X8!	2815OS JN-MN		471567!*	2839213 WHITE		450639
278058R91 IH		474265	27X45X8TC TRSCM		27X45X8!	28160 C-R		417485*	28394 EATON		5MR1009
278059R91 IH		471684!	27X47X10 FORSH		27X47X10	28162 MICH		471646!	2839D5 DIA		417484!
278060R91 IH		411253!	27X47X10 SIMRT		27X47X10	28162 UNIVE		471646!	2839D5 WHITE		417484!
278061R91 IH		411253!	27X47X10SC TRSCM		27X47X10	28175 C-R		475384*	283G23 C-R		40627S=
278123 C-R		470334!	27X47X10TC TRSCM		27X47X10	28175 MICH		470590	284007XX TIMKE		28X40X7

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
284008XX	TIMKE	28X40X8	28646	C-R	470547	287124	ALLCH	471141!	2879RX	OSHKO	473179
2840101	EIMCO	471887	286490R91	GW	50254=	287124	C-R	471141!	287CMM2	C-R	472924
2840202	EIMCO	412040	286490R91	IH	50254=	287124M1	C-R	471141!	287F118	C-R	473442!*
28404TA	TRSCM	416921	28650	C-R	415303!*	287126	C-R	473450	287FF22	C-R	451948*
284098	ACF	473231!	28651	C-R	415303!*	287126M1	C-R	473450	287FF24	C-R	40566S*
2840D	GOODM	417537	286512R91	GW	472157!	287127	C-R	473453*	287FF24-L	C-R	40566S*
2840OS	JN-MN	473439!*	286512R91	GW	472157	287128	C-R	473238	287G24	C-R	40566S
2841	FORD	5727	286512R92	IH	472157=	287128K	FORD	473238	287G25	C-R	40566S
284112	C-R	473197	28652	C-R	415303!	287128M1	C-R	473238	287HA119-L	C-R	7456N
284112M1	C-R	473197	28653	C-R	415303!	287129	BENDI	473238	287HM24	C-R	40566S*
284120	C-R	450819	28654	C-R	415303!	287130	C-R	472144!*	287HMS24-Y30	C-R	470898!
284122	C-R	470596*	28655	C-R	415303!	287130	GW	472144!	287LM2	C-R	472924
28413TA	TRSCM	417134	28656	C-R	415303!	287130K	IH	472144!	287TL124	C-R	471141
28418	C-R	470806*	28657	DURA	6703S	287130M1	C-R	472144!*	287W118	C-R	473442!*
284208XX	TIMKE	28X42X8	28658	DURA	471224!	287131	C-R	450474*	287W118-M1	C-R	473442!*
28420D	IH	415072	28658	ROTO	471224!	287131M1	C-R	450474*	287W120	C-R	473444
28420DA	IH	415072	28660	C-R	417344!	28714	C-R	450430*	287W120-M1	C-R	473444
28422	C-R	5877	28663	C-R	417344!*	2872	C-R	472924!	287W122	C-R	473446*
28422M1	C-R	5877	28668	C-R	417344!	2872	GR-DV	472924!	287W122-M1	C-R	473446*
28422Q6	C-R	5877	28669	C-R	417344!	2872	GW	472924!	287W124	C-R	471141!
28424	C-R	450639	2866D5	WHITE	474278!	28720	C-R	417158!	287W126	C-R	473450
28425	C-R	2081	28670	C-R	417344=	28720	C-R	9864S	287W126-M1	C-R	473450
28426	C-R	2081	28671	C-R	417344!	287201R91	IH	473367	287W128	C-R	473238
284395TA	TRSCM	2081	28672	C-R	417344!	287201R91	IH	473367!	287W128-M1	C-R	473238
284406XX	TIMKE	28X44X6	286736	ACF	471272!	28722	C-R	451948*	287W130	C-R	472144!*
284508XX	TIMKE	28X45X8	28674	C-R	417344!	28722M1	C-R	451948*	287W130-M1	C-R	472144!*
28454	EATON	6532S=	28676	C-R	417344!*	28724	C-R	470898	287W2	C-R	472924!
28454SA	TRSCM	455144	28678	C-R	417344!*	28724M1	C-R	470898	287W2-M1	C-R	472924!
28460	LAU	471649!	28680	C-R	417344!*	28726	C-R	473244	287W22	C-R	451948*
2846582	CHRY	473423	28682	C-R	417344!	28726M1	C-R	473244	287W22-M1	C-R	451948*
284707XX	TIMKE	28X47X7	28683	C-R	417344!	2872M1	C-R	472924!	287W24	C-R	470898
2847149	CHRY	472843	28686	C-R	417344!	2872OS	JN-MN	416865!	287W24-M1	C-R	470898
28474	C-R	456837V	28687	C-R	417344!*	28731	C-R	417158!	287W26	C-R	473244
284808XX	TIMKE	28X48X8	28688	C-R	417344!*	28737	C-R	417158!	287WL130	C-R	472144!*
285	C-R	39805	28689	C-R	417344!	28738	C-R	417158!	287WL2	C-R	472924!
285	C-R	5106	28690	C-R	417344!	28739K	IH	473466	287Y2	C-R	472924!*
28503A	EIMCO	412040	28691	C-R	417344!	28741	C-R	417158!	287YR2	C-R	472924!
285128	C-R	473238	28693	C-R	417344!	28742	C-R	417158!	28800	C-R	43086S
28517	SPERY	471224!	28694	C-R	417344!*	287442R91	IH	473367!	28804	C-R	416921!
28517	VICK	471224	28697	C-R	417344*	287442R91	IH	473367	28805	C-R	416921!
285207XX	TIMKE	28X52X7	286A2	C-R	472924!*	28745	C-R	417158!	2881041	CHRY	473235
2852574	CHRY	473228!	286AM2	C-R	472924!*	28746	C-R	417158!	2881185	CHRY	8695S
2852948	CHRY	8660S	286AMM124	C-R	471141!	287465	SPERY	40526S	28817	C-R	417134
285310-C91	IH	370001A	286AMM2	C-R	472924!*	28749	C-R	417158!	28820	C-R	417134
285311-C91	IH	370007A	286B124	C-R	471141!*	28750	C-R	417158!	28823	C-R	417134
28531A	HEIL	470712!	286B2	C-R	472924!*	28751	C-R	417158*	28828	C-R	417134
28531A	HERCU	470712!	286B24	C-R	470898	28755	C-R	417158!	28830	C-R	2674
285333	ACF	415995!	286BM2	C-R	472924!*	28756	C-R	417158!	28831	C-R	417134*
285511YY	Y-T	473010	286C2	C-R	472924*	28758	C-R	370150A	28832	C-R	370054A
2855BJ	SPG	2855	286F2	C-R	472924!*	28760	C-R	416921!	28836	C-R	455310
2859981	VICK	240435	286FF24	C-R	470898	28761	C-R	416921!	2883OS	JN-MN	417564*
2859984	LAVOI	240716	286FM24	C-R	470898*	28763	C-R	416921!	28841	C-R	416426N*=
2859984	VICK	240716	286N24	C-R	470898	28764	C-R	416921!	28844	C-R	455556
285H24	C-R	470898	286W124	C-R	471141!	28765	AMC	473228	28848	C-R	455144*
2860	CALSO	410524	286W124-M1	C-R	471141!	287666	ACF	471766!	28849	C-R	455144
286116	C-R	450523	287	C-R	5163	2876S	SPG	2876	28849	JOHND	472397!
286124	C-R	471141!	28700	C-R	417344*	28770	C-R	416921!	28853	C-R	455144*
286124M1	C-R	471141!	28700	C-R	417344!*	28771	C-R	416921!	28873	C-R	5403
286130	C-R	472144!	28701	OLIVE	473228	28775	C-R	416921!*	288864R91	IH	472924!
28617	OLIVE	416288!	28704	C-R	417344!	287756C91	IH	5471	288864R92	IH	472924!
28624	C-R	470898	287047R91	IH	455107N=	28777	C-R	416921!	288864R93	IH	472924!
28624M1	C-R	470898	28708	C-R	417344!	28778	C-R	416921!	288G126	C-R	473450!
28625	ROTO	471801!	28709	C-R	417344!	28780	C-R	416921!*	288GL24	C-R	6626S
286326R92	IH	415938=	287118	C-R	473442!*	28781	C-R	416921!*	289030R91	IH	50254=
286349R91	IH	415234!	287120	C-R	473444	28790	C-R	416921*	289031750	GARLK	710067
286362R91	IH	415938	287120	FAIRB	473444	28790	C-R	416921*	289067	BUC-E	415938
286362R92	IH	415938	287120M1	C-R	473444	28794	C-R	416921!	289082R92	IH	455107N=
286363R91	IH	415938	287122	C-R	473446*	28795	C-R	416921!	289082R94	IH	455107N=
286367R91	GW	415871	287122	FORD	473446	287952	GW	471466!	289082R95	IH	455107H=
286367R91	IH	415871	287122M1	C-R	473446*	28796	C-R	43086S	289083R91	IH	415871
286367R92	IH	415871	287123	C-R	50081*	28798	C-R	416921!	289083R92	IH	415871
28646	C-R	4122	287123M1	C-R	50081	28799	C-R	416921!*	289083R94	IH	415871

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289084R91 IH		415234!	28X716 AIRCO		471766!	290128 ACDEL		416273	29031 ACDEL		353141
28908H IH		5MR71	28X717 AIRCO		417316!	290129 ACDEL		416130	29031 KELSE		473239!
289128 C-R		473238	28X718 AIRCO		417171!	29013 ACDEL		2207	29033 ACDEL		3210
289198 SPERY		470380!	28X719 AIRCO		470530!	290130 ACDEL		417507	29034 ACDEL		6336S
289290 SPERY		481163!	28X72 AIRCO		471554!	290131 ACDEL		415991	29035 ACDEL		6356
2893M DIA		415991	28X721 AIRCO		455005	290132 ACDEL		4148	29035 TRANS		410308!
2893M DIA		415991!	28X724 AIRCO		471553!	290133 ACDEL		493291	290359 SPG		473448
289503R91 IH		415021	28X725 AIRCO		415449!	290134 ACDEL		3087	290381 SPG		471652
289660 ROCKW		J1120=	28X726 AIRCO		417343!	290135 ACDEL		5131	29039 ACDEL		6489
289796 HYST		J1136	28X728 AIRCO		471763	290136 ACDEL		470380	2904 ACDEL		1165
2899531 CHRYS		3095	28X729 AIRCO		471570!	290138 ACDEL		40769S	29042 ACDEL		6547
2899532 CHRYS		3103!	28X73 AIRCO		473205	29014 ACDEL		2222	29044 ACDEL		6626S
289HMA24 C-R		470898!	28X730 AIRCO		470712!	290140 ACDEL		5MR71	29045 ACDEL		6638S
289HMS24 C-R		470898!	28X731 AIRCO		417490	290147 ACDEL		5M356	29045 VICK		416664!
28A2203 CONTI		470530!	28X733 AIRCO		471267!	29015 ACDEL		4250	29047 ACDEL		417134
28AK211 CONTI		476838!	28X739 AIRCO		417344!	290150 ACDEL		5M403	29048 ACDEL		6781
28P-15 SPICE		411394!	28X74 AIRCO		473467!	290158 ACDEL		5M544	29049 ACDEL		6785
28P-18 SPICE		6847S	28X740 AIRCO		471705!	29016 ACDEL		3210	2905 ACDEL		1174
28P-19 SPICE		471267!	28X75 AIRCO		472636!	290162 ACDEL		5MR1008	29050 ACDEL		6815
28P-19-3 SPICE		471267!	28X751 AIRCO		471652	290163 ACDEL		5MR1009	29051 ACDEL		6840S
28P-21 SPICE		471538!	28X76 AIRCO		417316!	290167 ACDEL		205017	29054 ACDEL		44052
28P-4 SPICE		471553!	28X79 AIRCO		412871!	290169 ACDEL		1035=	29055 ACDEL		6954S
28P101 SPICE		472258!	29 UNIVE		471103!	29017 ACDEL		5109	29056 ACDEL		44053
28P1011 SPICE		472258!	290-193 ACDEL		471271	290175 ACDEL		2551	29057 ACDEL		6960
28P125 SPICE		471224!	290-228 ACDEL		3357	290176 ACDEL		1077=	29057 TRANS		471271!
28P180 SPICE		416624=	290-257 ACDEL		4739	29018 ACDEL		5121	29058 ACDEL		6985
28P209 DANA		471538	290-257 NDEP		4739	290180 ACDEL		1012N	29058 HYST		473464
28P215 DANA		471466	290-258 ACDEL		710103	290181 ACDEL		1209	290587 SPG		453279!
28P219 DANA		473010	290-259 ACDEL		710106	290182 ACDEL		1213N	29059 ACDEL		473317
28P220 DANA		450496V	290-261 ACDEL		4175	290184 ACDEL		5119	2906 ACDEL		1183
28P222 DANA		417484	290-262 ACDEL		5682	290188 ACDEL		40389S	29060 ACDEL		7107A=
28P223 DANA		416654!	290-263 ACDEL		4795V	29019 ACDEL		5123	29062 ACDEL		7381S
28P227 DANA		470553V	290-268 ACDEL		4740	290190 ACDEL		43290S	29063 ACDEL		7537S
28P229 DANA		471291V	290-269 ACDEL		4739	290191 ACDEL		352637	29064 ACDEL		7600S
28P231 DANA		471835V	290-70 ACDEL		7934S	290192 ACDEL		442874	29065 ACDEL		7607
28P232 DANA		471538V	290-81 ACDEL		8974S	290194 ACDEL		472394	290653R91 IH		471689!
28P233 DANA		471763	290-82 ACDEL		8975S	290195 ACDEL		416273	29066 ACDEL		5113
28P236 DANA		470774	290-83 ACDEL		8976S	290196 ACDEL		472213	29066 ACDEL		7721
28P237 DANA		415983V	290-89 ACDEL		9406S	290197 ACDEL		482126	29066 KELSE		6222
28P3 SPICE		471787!	2900 GM		2900	290199 ACDEL		5246	29067 ACDEL		7780
28P37 SPICE		472164!	2900SET GM		2900	2902 ACDEL		224045	29068 ACDEL		472164
28P371 SPICE		472164!	2901 ACDEL		471192	29020 ACDEL		4148	29069 ACDEL		7866S
28P372 SPICE		472164!	29010 ACDEL		1196	290200 ACDEL		472016	2907 ACDEL		1188
28P40 SPICE		473228!	29010 TRANS		417495=	290201 ACDEL		455151	29071 ACDEL		7994S
28P51 SPICE		471466!	290100 ACDEL		45013S	290202 ACDEL		6312	29072 ACDEL		8121S
28P57 SPICE		471231!	290102 ACDEL		473473	290204 ACDEL		41075S	29073 ACDEL		8139
28P67 SPICE		471341!	290103 ACDEL		411348	290205 ACDEL		46997S	29074 ACDEL		8243
28P69 SPICE		410496!	290104 ACDEL		417485	290206 ACDEL		45031S	29075 ACDEL		8430S
28P72 SPICE		415001!	290105 ACDEL		417353	290208 ACDEL		55155=	29076 ACDEL		6960
28P75 DANA		417484	290106 ACDEL		55692=	29021 ACDEL		5756	29076 WHITE		470530!
28P76 SPICE		416654!	290107 ACDEL		200600	290211 ACDEL		200763	290768R91 IH		415960
28P85 SPICE		471760	290108 ACDEL		80313	290212 ACDEL		415082	29077 ACDEL		8521S
28P86 SPICE		473229	290109 ACDEL		200640	290213 ACDEL		415876	29078 ACDEL		370047A
28X38X7SC TRSCM	28X38X7		29011 ACDEL		1198	290214 ACDEL		417020	290787R91 IH		473467
28X38X7TC TRSCM	28X38X7		290110 ACDEL		200855	290215 ACDEL		417205	29079 ACDEL		8705S
28X40X7SC TRSCM	28X40X7		290111 ACDEL		203006	290216 ACDEL		417514	2908 ACDEL		1192
28X40X7TC TRSCM	28X40X7		290112 ACDEL		205004	290217 ACDEL		5MR71	29080 ACDEL		8871
28X42X8SC TRSCM	28X42X8!		290113 ACDEL		205044	290220 ACDEL		417506	290811R91 IH		416921!
28X42X8TC TRSCM	28X42X8!		290115 ACDEL		291295	290221 ACDEL		417353	29085 ACDEL		9015S
28X44X6SC TRSCM	28X44X6!		290116 ACDEL		292594	290222 ACDEL		416102	29087 ACDEL		91508
28X44X6TC TRSCM	28X44X6!		290117 ACDEL		418028	290223 ACDEL		417509	29088 ACDEL		9339S
28X45X8SC TRSCM	28X45X8		290118 ACDEL		331301N	290224 ACDEL		417359	2909 ACDEL		1195
28X45X8TC TRSCM	28X45X8		290119 ACDEL		340210	290225 ACDEL		416273	29090 ACDEL		8705S
28X47X7 NATL	28X47X7!		29012 ACDEL		1217	290226 ACDEL		471192	29091 ACDEL		9762S
28X47X7SC TRSCM	28X47X7!		290120 ACDEL		4148	290227 ACDEL		417485	29092 ACDEL		8705S
28X47X7TC TRSCM	28X47X7!		290121 ACDEL		203006	29023 ACDEL		473450	29093 ACDEL		471413
28X47X8 NATL	28X47X7!		290122 ACDEL		442380	29024 ACDEL		472179	290932 BR-ST		470328
28X48X8SC TRSCM	28X48X8		290123 ACDEL		450033	29025 ACDEL		5836	290932 BR-ST		481213!
28X48X8TC TRSCM	28X48X8		290124 ACDEL		480630	29026 ACDEL		5924	29094 ACDEL		40566S
28X52X7SC TRSCM	28X52X7		290125 ACDEL		410496	29029 ACDEL		6064	29095 ACDEL		40576S
28X52X7TC TRSCM	28X52X7		290126 ACDEL		417509	2903 ACDEL		1070=	29096 ACDEL		40769S
28X71 AIRCO		471103!	290127 ACDEL		416664	29030 ACDEL		413478	29097 ACDEL		40973S

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292118	ACDEL	471193	29220S	JN-MN	473224!	29277	C-R	416500	293-201	ACDEL	481181
292119	ACDEL	471707N	2923	ACDEL	224015	29277	C-R	416500 =	293-304	ACDEL	473214
292120	ACDEL	472747	29230	ACDEL	7216	29278	ACDEL	417487	293-33	ACDEL	473179
292121	ACDEL	415458	29230	C-R	416956	29279	ACDEL	416444	293-51	ACDEL	7412S
292122	ACDEL	416654	29231	ACDEL	473235	29280	ACDEL	416271	293-65	ACDEL	8792S
292123	ACDEL	417484	29231	C-R	416956	292807C91	IH	713750	293-70	ACDEL	4333N
292124	ACDEL	415483	29233	ACDEL	7378	29281	ACDEL	418028	293-70	ACDEL	9449
292125	ACDEL	415960	29234	ACDEL	7457N	29282	ACDEL	415449	293-72	ACDEL	9613S
292126	ACDEL	477069	29235	C-R	416956	29283	ACDEL	416404	29300	C-R	416654!
292127	ACDEL	471272	29238	ACDEL	8168 =	29284	ACDEL	415379	29305	C-R	416654 =
292129	ACDEL	225230	29239	ACDEL	472070	29285	ACDEL	473215	29307A	HYST	410987!
292130	ACDEL	2642	2924	ACDEL	224045	29286	ACDEL	470334	29308	HYST	410987!
292131	ACDEL	5126	29240	C-R	416956	2928694	GMC	417505	29310	ACDEL	2655
292132	ACDEL	473274	29241	ACDEL	8293S	2928694	GMC	6864S	29310	C-R	416654!
292136	ACDEL	5M643	29241	C-R	416956	29287	ACDEL	473464	29310	NOK	223540
292138	ACDEL	472258	29243	ACDEL	8515N	29288	ACDEL	410102	293100	ACDEL	331228H
29214	ACDEL	471224	292439R91	IH	417020	29288	C-R	416500	293101	ACDEL	340797
292144R91	IH	473234	29244	ACDEL	473235	29288	C-R	4563V	293103	ACDEL	471267
292151	ACDEL	223542	292446R91	IH	416107!	29289	ACDEL	410987	293104	ACDEL	473454
292152	ACDEL	1173	292446R91	IH	455073	2929	ACDEL	370003A	293105	ACDEL	350909
292153	ACDEL	1176	292447R91	IH	416107!	29290	ACDEL	450143	293106	ACDEL	473228
292154	ACDEL	1177	292447R91	IH	455073	29290	C-R	416654*	293107	ACDEL	470334
292155	ACDEL	224520	292448R91	IH	416107!	29291	ACDEL	471619	293108	ACDEL	473234
292156	ACDEL	32X58X8	292448R91	IH	455073	29292	ACDEL	410190	293109	ACDEL	471649
292157	ACDEL	1216N	292472	BR-ST	470328	29292	C-R	416654! =	29311	ACDEL	5200
29216	ACDEL	5921	292472	BR-ST	481213!	29292	C-R	416654!	293110	ACDEL	470712
292163	ACDEL	50419	292473	BR-ST	471224!	29293	ACDEL	411394	293111	ACDEL	410308
292164	ACDEL	473441	29249	ACDEL	3604	29294	ACDEL	474255	293112	ACDEL	472636
292165	ACDEL	470487	29250	ACDEL	9316	292949C91	IH	415995!	293113	ACDEL	472164
292167	ACDEL	473258	29251	ACDEL	410308	292949C91	IH	415995!	293114	ACDEL	473231
29219	ACDEL	6127	29252	ACDEL	415960	29295	ACDEL	473231	293115	ACDEL	470898
29210S	JN-MN	474265	29253	ACDEL	416921	29296	ACDEL	470774	293116	ACDEL	473227
2922	ACDEL	1170	29254	ACDEL	416654	292966	AUTOZ	TCS45985	293117	ACDEL	471341
2922	SPG	710046	292543R91	IH	472397!	29297	ACDEL	471138	293118	ACDEL	471272
292209	ACDEL	2876	29256	ACDEL	416500	29298	ACDEL	450456	293119	ACDEL	471829
29221	ACDEL	6612S	29257	ACDEL	40185	29299	ACDEL	450686	29312	ACDEL	5201
292210	ACDEL	370004A	29258	ACDEL	40286	292E765145	LUF	415551	293120	ACDEL	471344
292211	ACDEL	7131	29259	ACDEL	40337S	292E920110	LUF	471647	293121	ACDEL	417316
292212	ACDEL	8020S	292594	TIMKE	292594	292E920140	LUF	471766!	293122	ACDEL	415995
292214	ACDEL	55301S	292594F60	SPG	292594	292E920151	LUF	450129	293123	ACDEL	415995
292215	ACDEL	55309 =	2926	ACDEL	224045	292E920151	LUF	472826!	293124	ACDEL	476470
292216	ACDEL	415371	2926	HWY	471766!	292E920330	LUF	417316!	293125	ACDEL	415991
292217	ACDEL	415001	29260	ACDEL	40438S	292E920350	LUF	416654!	293126	ACDEL	417349
292218	ACDEL	417350	29260	C-R	417159	292E920400	LUF	476470	293127	ACDEL	415437
29222	ACDEL	6649	292606	ACF	416654	292E920860	LUF	415551	293128	ACDEL	415983N
292223	ACDEL	410496	29261	ACDEL	471787	292E920960	LUF	415128	293129	ACDEL	415991
292225	ACDEL	416294	29262	ACDEL	50402	292N920280	LUF	413247!	29313	ACDEL	5202
292226	ACDEL	416706	29262	C-R	417159 =	292SP10731	LUF	415449!	293130	ACDEL	473225
292227	ACDEL	450467	29263	ACDEL	410737	292SP10734	LUF	417487	293131	ACDEL	6241S
292228	ACDEL	416163	29264	JN SON	471271!	292SP10735	LUF	417357	293132	ACDEL	471820
292229	ACDEL	455260	29264	NOK	223553	292SP10735	LUF	455192!	293133	ACDEL	473459
29223	C-R	416956	29265	ACDEL	484054	292SP10736	LUF	417316!	293134	ACDEL	473226
292230	ACDEL	455290	29265	C-R	417159*	292SP10737	LUF	417196!	293135	ACDEL	473447
292231	ACDEL	415350	29266	ACDEL	55028	292SP10748	LUF	416273!	293136	ACDEL	471762
292232	ACDEL	417537	29267	ACDEL	55199 =	292SP10759	LUF	417349	293137	ACDEL	471763
292233	ACDEL	455375 =	29268	ACDEL	412119	292SP10789	LUF	415449!	293138	ACDEL	471764
292234	ACDEL	455434	29269	ACDEL	472179	292SP10791	LUF	415995!	293139	ACDEL	471765
292235	ACDEL	417497	29270	ACDEL	472179	292SP10795	LUF	415072	29314	ACDEL	5203
292236	ACDEL	417551	29270	C-R	417159*	292SP10796	LUF	416865!	293140	ACDEL	471766
292237	ACDEL	416332	29271	ACDEL	410686N	292SP10797	LUF	470625!	293141	ACDEL	471801
292239	ACDEL	472636	29271	C-R	417159	292SP10798	LUF	415991	293142	ACDEL	473016
29224	ACDEL	6808N	292719R91	IH	415458	292SP10798	LUF	455146!	293143	ACDEL	472179
29224	C-R	416956	29272	ACDEL	410737	292SP10816	LUF	472636!	293144	ACDEL	471571
292240	ACDEL	472924	29272	C-R	416500	292SP65130	LUF	416556!	293145	ACDEL	473229
292241	ACDEL	415371	292720R91	IH	412119!	292SP65130	LUF	472157	293146	ACDEL	473010
292242	ACDEL	417551	29273	C-R	416500	292SP75906	LUF	476470	293147	ACDEL	471649
292243	ACDEL	416332	29273	C-R	4563V	292SP76127	LUF	473243	293148	ACDEL	470590
292244	ACDEL	415350	29274	ACDEL	471344	292SP76371	LUF	473228	293149	ACDEL	473211
29225	ACDEL	6818	29275	ACDEL	415960	292SP76685	LUF	417487!	29315	ACDEL	5204
29227	ACDEL	6930	29275	C-R	416500*	292SP76685	LUF	417487	293150	ACDEL	470682
29228	ACDEL	7044NA	29276	ACDEL	416921	292SP76700	LUF	416888!	293151	ACDEL	473239
29229	ACDEL	5126	29277	ACDEL	415036	292SP767000	LUF	416888!	293152	ACDEL	472394

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293153	ACDEL	472012	293226	ACDEL	222510	29341	ACDEL	410059	29399	ACDEL	331227H
293154	ACDEL	472015	293227	ACDEL	222510	29342	ACDEL	9613S	29404PTB	TRSCM	416654
293155	ACDEL	473457	293228	ACDEL	33X50X12	29343	ACDEL	473234	29404TA	TRSCM	416654
293156	ACDEL	410308	293229	ACDEL	1193	29344	ACDEL	472354	29405	C-R	417486
293157	ACDEL	472016	29323	ACDEL	5200	29346	ACDEL	7188S	29406	C-R	417486*
293158	ACDEL	472016	293230	ACDEL	223240	29347	ACDEL	471344	29408011	GARLK	471645
293159	ACDEL	450313	293236	ACDEL	1215	29348	ACDEL	7300S	2940D	GOODM	55028
29316	ACDEL	5205	293236	ACDEL	1215N	29350	ACDEL	7399S	2941	ACDEL	1010=
29316	C-R	416654!	293238	ACDEL	9599S	29352	ACDEL	7442H	29410	ACDEL	7840S
293160	ACDEL	473243	293239	ACDEL	473215	29353	ACDEL	473214	29411	ACDEL	471538
293161	ACDEL	473245	293246	ACDEL	473228	29355	ACDEL	342805	29412	ACDEL	8059S
293162	ACDEL	472636	293249	ACDEL	471539	29356	ACDEL	353135	29413	ACDEL	471538
293163	ACDEL	412871	293250	ACDEL	473234	29357	ACDEL	473473	29413TA	TRSCM	417486
293164	ACDEL	471870	293251	ACDEL	471801	29358	ACDEL	7692S	29414	ACDEL	40101S
293165	ACDEL	470898	293252	ACDEL	472179	2936	ACDEL	2361	29415	ACDEL	471571
293166	ACDEL	471652	293253	ACDEL	472164	29360	ACDEL	7751H	29416	ACDEL	240319
293167	ACDEL	473197	293255	ACDEL	415988	29360	C-R	416654*	294160	BR-ST	471554!
293168	ACDEL	473445	293256	ACDEL	470059N	29362	ACDEL	7929S	294167	BR-ST	471270!
293169	ACDEL	472164	293257	ACDEL	473214	29363	ACDEL	473473	29417	ACDEL	40401
29317	ACDEL	5206	293258	ACDEL	473468	29364	ACDEL	471827	29418	ACDEL	40433S
29317	C-R	416654*	29326	ACDEL	472258	29367	ACDEL	8935S	29419	ACDEL	472560N
29317	C-R	416654!	293261	ACDEL	473445	29367	BR-ST	471567!	2942	ACDEL	1049
293170	ACDEL	471271	293265	ACDEL	472258	29368	BR-ST	450593!	2942	NATL	7782N
293171	ACDEL	472258	293266	ACDEL	471413	29369	ACDEL	9376	2942	TIMKE	2942
293172	ACDEL	470565	293267	ACDEL	471413	2937	ACDEL	2443	29420	ACDEL	474278
293173	ACDEL	413248	293268	ACDEL	455134	29370	C-R	416654!	29420	C-R	475348N*
293174	ACDEL	410737	293269	ACDEL	473460	29371	ACDEL	9487	29421	ACDEL	352541
293175	ACDEL	470898	29327	ACDEL	5976S	29371	C-R	416654!	29422	ACDEL	472311
293178	ACDEL	451143	293271	ACDEL	50075=	293714	SPG	1967	29423	ACDEL	323138
293179	ACDEL	472164	293273	ACDEL	480491	29373	ACDEL	410059	29424	ACDEL	415995
29318	ACDEL	5207	293274	ACDEL	50528	293739R1	NAVST	425RR	29424	C-R	227530
293180	ACDEL	451169N	293277	ACDEL	343185	29375	ACDEL	471827	29425	ACDEL	240151
293181	ACDEL	415988	293279	ACDEL	350942	29375	C-R	416654!	29426	ACDEL	240356
293182	ACDEL	416332	293280	ACDEL	472636	293751	SPG	1174	29427	ACDEL	6703S
293183	ACDEL	415379	293281	ACDEL	415991	293751	SPG	38X52X8.5!	29428	ACDEL	240414
293184	ACDEL	417484	293282	ACDEL	417191	29376	ACDEL	471829	29429	ACDEL	240731
293185	ACDEL	417484	293283	ACDEL	417344	29377	ACDEL	415991	29430	ACDEL	240733
293186	ACDEL	415483	293284	ACDEL	473412	29378	ACDEL	415991	29430	C-R	455356
2931862	CHRY	5126	293285	ACDEL	450311	29379	ACDEL	418028	29431	ACDEL	240735
293187	ACDEL	457291	293286	ACDEL	450362	2937D	GOODM	416332!	29432	ACDEL	240736
2931875	CHRY	8835S	293288	ACDEL	450415	2938	ACDEL	2503	29433	ACDEL	470954
293188	ACDEL	470380	293289	ACDEL	450604	2938	ACDEL	2503N	29434	ACDEL	472560N
293189	ACDEL	472185	29329	ACDEL	473214	29380	ACDEL	415991	29435	ACDEL	340413
293190	ACDEL	472705	293290	ACDEL	450911N	29381	ACDEL	472394	29435	NOK	1147
293191	ACDEL	471827	293291	ACDEL	416332	29382	ACDEL	470898	29436	ACDEL	254270
293192	ACDEL	470687	293292	ACDEL	472164	29382	EATON	370023A	29436	NOK	1146
293193	ACDEL	470898	293293	ACDEL	473212	29382	EATON	456618	29437	ACDEL	340724
293194	ACDEL	471554	293294	ACDEL	471570	29383	ACDEL	471554	29437	NOK	1147
293195	ACDEL	471341	293295	ACDEL	472258	29383	C-R	416654!	29438	ACDEL	340787
293196	ACDEL	472189A	293296	ACDEL	470530	29384	ACDEL	470954	29438	NOK	1036
293197	ACDEL	470898	293297	ACDEL	472185	29384	C-R	417486	29439	ACDEL	471413
293198	ACDEL	471424	293298	ACDEL	412119	29385	ACDEL	340771	29440	ACDEL	471766
293199	ACDEL	473445	293299	ACDEL	471424	29385	C-R	417486	29440	C-R	455356*
2932	ACDEL	1163=	2933	ACDEL	1167	29386	ACDEL	473463	29441	ACDEL	471689
293200	ACDEL	470954	29330	ACDEL	410987=	29387	ACDEL	50266	29442	ACDEL	471267
293202	ACDEL	482163	293300	ACDEL	417343	29387	NOK	710112	29443	ACDEL	472185
293203	ACDEL	471652	293301	ACDEL	473367	29388	ACDEL	470506	29444	ACDEL	471466
293204	ACDEL	415483	293302	ACDEL	471801	29389	ACDEL	51032S	29445	ACDEL	471551
293205	ACDEL	223840	293303	ACDEL	415483	2938D	GOODM	415937!	29446	ACDEL	473179
293206	ACDEL	33X50X12	293305	ACDEL	471424	2939	ACDEL	2551	29447	ACDEL	470625
293207	ACDEL	2506	293306	ACDEL	473212	29390	ACDEL	471413	29448	ACDEL	473237
293208	ACDEL	2658	293307	ACDEL	410059	29390	C-R	417486	29449	ACDEL	474276
293209	ACDEL	2876	29331	US-EL	474255	29391	ACDEL	473367	2945	ACDEL	471267
293210	ACDEL	6847S	29332	ACDEL	471829	29391	C-R	417486	29454	ACDEL	1037
293211	ACDEL	8421S	29334	ACDEL	470954	29392	ACDEL	472287	29456	ACDEL	7399S
293212	ACDEL	.5MR1300	29335	ACDEL	6847S	29393	ACDEL	240009	29457	ACDEL	6597S
293214	ACDEL	473010	293353R91	IH	415483!	29394	ACDEL	240698	29458	ACDEL	480821
293218	ACDEL	1041	29336	ACDEL	471827	29394PTB	TRSCM	416500!	29459	ACDEL	6597S
29322	ACDEL	5201	29337	ACDEL	470898	29395	ACDEL	240816	2946	ACDEL	6859S
29322	C-R	416654	29339	ACDEL	473459	29396	ACDEL	311189	29460	ACDEL	43071S
293223	ACDEL	1094=	2934	ACDEL	3771	29397	ACDEL	472354	29460	C-R	455356*
293224	ACDEL	1097N	29340	ACDEL	7018N=	29398	ACDEL	331107N	294606	BR-ST	441130

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
29461	ACDEL	471689	2954147	PEERC	471567!	2961	ACDEL	226020	29671	ACDEL	5127
29462	ACDEL	472157	2954148	PEERC	473227	2961012	LILIS	473227!	29672	ACDEL	5108
29463	ACDEL	450532	295416	PEERC	415327	29611	ACDEL	5108	29673	ACDEL	5132
29464	ACDEL	471224	29542	ACDEL	474272	2961188	CHRY	9316	29675	C-R	1019
29465	ACDEL	415995	29542	C-R	227550*	2961190	CHRY	5778	296804	ACF	416288
29465	C-R	455356*	29542	C-R	75X100X10V	29612	ACDEL	5111	29681	ACDEL	5128N
29466	ACDEL	473179	29543	ACDEL	473454	29612	ACDEL	5111S	29683	ACDEL	412473
2947	ACDEL	471267	29543	C-R	75X100X10	29613	ACDEL	5112S	29684	ACDEL	40085S
29471	C-R	712937	29544	ACDEL	472082	29614	ACDEL	5116	296842	HYST	415234!
294769C91	IH	370004A	29544	C-R	75X100X10V	2961493	CHRY	9773	29685	ACDEL	50191
2948	ACDEL	7013S	29545	ACDEL	472341	29615	ACDEL	5117	29685	C-R	227610
29480	C-R	370199A	29545	C-R	75X100X10V	2961607	CHRY	474276	29685	PEERC	415327
2949	ACDEL	471652	29546	ACDEL	480574H	2961618	CHRY	415991	296863R91	IH	471224!
294FF128	C-R	6064	29547	ACDEL	471195	2961618	CHRY	415991!	29687	ACDEL	50209
294FF28	C-R	6064	2954738	CHRY	417487	29619	ACDEL	5337	29689	ACDEL	327303
295	C-P	450593!	29548	ACDEL	471504	2961985	IVECO	713119	29690	ACDEL	415213N
295-24	ACDEL	9845	29549	ACDEL	3103	2962	ACDEL	227040	29691	ACDEL	450655=
29505	C-R	710240	2955	ACDEL	5587	29620	ACDEL	5095	29692	ACDEL	451583
2951	ACDEL	1110	2955	TIMKE	2955	29624	ACDEL	5390	29693	ACDEL	455583N
29510	ACDEL	6636S	2955098	CHRY	415458!	29628	JOHND	473239	296931R91	IH	415995!
29510	C-R	75X90X10	29551	ACDEL	5M81	29629	ACDEL	5419	29694	ACDEL	455956H
29510	C-R	75X90X8!	29553	ACDEL	5M445	2963	ACDEL	5026	29695	ACDEL	481644
29512	ACDEL	470712	29555	C-R	75X105X13	29637	ACDEL	5460	29696	ACDEL	415379
29512	C-R	75X90X10!	2955635	CHRY	481181!	296377	SPG	8975S	29697	ACDEL	485725H=
29513	ACDEL	6759S	2955637	CHRY	471271!	29639	ACDEL	5479	296D4	WHITE	471271!
29513	C-R	75X90X10!	29557	ACDEL	472164	296390C91	IH	370048A	296FF2-L	C-R	205044
29514	ACDEL	6936S	29558	ACDEL	224040	296392C91	IH	370007A	296G130	C-R	470530!
29515	ACDEL	3103	2955840	CHRY	370003A	296393C91	IH	370001A	29700	KELSE	5924
29516	ACDEL	3103	2955842	CHRY	370023A	296394C91	IH	370019A	297000C91	IH	473473
29517	ACDEL	473237	2955843	CHRY	370034A	296396C92	IH	370019A	297001C91	IH	473473
29518	ACDEL	3095	2955RC	SUL	415711	2963RH	SPG	1987	29705X	MASSE	473444
29519	ACDEL	415449	29563	ACDEL	413246	2964	ACDEL	5070	29708	NOK	321460
2952	ACDEL	3095	29563	C-R	710384	296409C91	IH	370033A	29700S	JN-MN	473229
29520	ACDEL	350936	29563	C-R	75X100X12!	29642	ACDEL	5576	29710	ACDEL	471750
29520	C-R	710376	29564	ACDEL	2955	296437C91	IH	370021A	29710	NOK	710102
29522	ACDEL	8804S=	29565	ACDEL	472409	296438C91	IH	370036A	29711	ACDEL	40494S
29523	ACDEL	9599S	29566D	IH	474265	296438C91	IH	370349A	29712	ACDEL	43089S
29524	C-R	75X95X10!	29567	ACDEL	471271	296440C91	IH	370003A	29713	ACDEL	203003
2952467	CHRY	6808N	29567	C-R	75X105X13!	296441C91	IH	370030A	29714	ACDEL	203003
29525	ACDEL	472439	29568	ACDEL	411253	296448C1	IH	730017	29715	ACDEL	203008
29525	C-R	227530	2956OS	JN-MN	415035	29645	ACDEL	5585	29716	ACDEL	203012
29525	C-R	75X95X10!	2956OS	JN-MN	415035!	29646	ACDEL	5072	29717	ACDEL	203013
29526	C-R	716445	2957	ACDEL	470354	29647	ACDEL	5591	29718	ACDEL	203016
29526	C-R	75X95X10V!	29570	ACDEL	415938	296470	TIMKE	476470	29719	ACDEL	203020
29527	ACDEL	42260S	29570	C-R	75X110X12	29649	ACDEL	415284	29710S	JN-MN	473226
29527	C-R	75X95X10V	29571	ACDEL	415449	2965	ACDEL	5072	2972	ACDEL	471316
29528	ACDEL	476470	29572	ACDEL	417171	29650	ACDEL	7014S	29720	ACDEL	203025
29529	ACDEL	321460	29573	ACDEL	417344	296501C91	IH	415458	2972024	CHRY	370001A
2953	ACDEL	5115	29574	ACDEL	473474	296509C1	IH	415458	2972024	CHRY	380001A
29530	C-R	75X95X10V	295749R91	IH	473231!	29651	ACDEL	40301S	29721	ACDEL	203029
29531	ACDEL	473231	29575	ACDEL	472185	29652	ACDEL	351487	297210	C-R	471504!
29531	BR-ST	471354!	29575	C-R	75X110X12!	29653	ACDEL	75251S	29722	ACDEL	204002
29532	ACDEL	332062	29576	ACDEL	472492	296543	ACF	416130!	297226R91	IH	472924!
29533	ACDEL	3945	29577	ACDEL	417316	29655	ACDEL	335924N	297227R91	IH	416556!
29534	ACDEL	350936	29578	ACDEL	473231	29656	ACDEL	345035	297227R91	IH	472157
29535	ACDEL	472439	29579	ACDEL	471504	29657	ACDEL	471538	29723	ACDEL	204008
29536	ACDEL	410708	2958	ACDEL	473179	296573	ACF	416070	29724	ACDEL	204013
29537	ACDEL	476470	29585	C-R	75X115X10*	29658	ACDEL	350974	29725	ACDEL	204017
29537	C-R	227530*	29585	C-R	75X115X12	29659	ACDEL	417621	29726	ACDEL	204020
29537	C-R	75X95X10!*	29587	C-R	75X120X10*	29659C	SUL	417211!	29727	ACDEL	205015
29538	ACDEL	472082	2959	ACDEL	410708	2966	ACDEL	5073	29728	ACDEL	204020
29539	ACDEL	450096	29590	C-R	200322	29660	ACDEL	417158	29728	LEECE	473444
2953962	CHRY	442380	295957	SPG	8976S	29661	ACDEL	415035	29729	ACDEL	441319
2954	ACDEL	415937	295FF126	C-R	5070	29662	ACDEL	416865	2972981	CHRY	370001A
29540	ACDEL	470354	295FF128	C-R	6064	29663	ACDEL	455251H	2972981	CHRY	380001A
29540	C-R	227540	295FF131	C-R	41081S=	29664	ACDEL	455480	2972M1	C-R	470530!
29540	C-R	227550*	295G131	C-R	40370S	29665	ACDEL	415379	29720S	JN-MN	474265
29540	C-R	75X100X12!	296-01	ACDEL	3945	296653	ACF	416130!	2973	ACDEL	200354
2954018	CHRY	40769S	296-8	ACDEL	5092	29666	ACDEL	480581	29730	ACDEL	412920
29541	ACDEL	450400	296-9	ACDEL	5095	29667H	IH	411253!	29731	ACDEL	471267
2954128	CHRY	410308!	2960381	CHRY	370033A	29668	ACDEL	5MR1301	29732	ACDEL	412861
2954128	CHRY	473468	296051	SPG	418028	29669	ACDEL	1040=	29733	ACDEL	40154S

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
29734	ACDEL	204008	298126	ACDEL	203034	298195	ACDEL	415138	298262	ACDEL	473458
297346R91	IH	471424!	298127	ACDEL	204029	298196	ACDEL	416865	298263	ACDEL	473462
297347R91	IH	470565!	298128	ACDEL	204035	298197	ACDEL	417621	298264	ACDEL	413469
2973650	CHRY	370007A	298129	ACDEL	205005	298198	ACDEL	417181	298265	ACDEL	412943
2973680	CHRY	370007A	298130	ACDEL	205017	298199	ACDEL	415725	298266	ACDEL	411253
2973863	CHRY	417267	298131	ACDEL	205035	2982	ACDEL	5727	298267	ACDEL	410694
29730S	JN-MN	471255!	298132	ACDEL	210945	2982	CALSO	472164!	298268	ACDEL	412119
29742	HYST	471689!	298133	ACDEL	411376	298200	ACDEL	476470	298269	ACDEL	473441
29749X	MASSE	471835!	298134	ACDEL	415449	298201	ACDEL	415984	298270	ACDEL	450111
29740S	JN-MN	470682	298135	ACDEL	240005	298202	ACDEL	416664	298271	ACDEL	473467
2975	ACDEL	6283S	298136	ACDEL	240023	298203	ACDEL	415389	298272	ACDEL	473450
29750X	MASSE	473444	298138	ACDEL	240119	298204	ACDEL	415498	298273	ACDEL	472572
297513	BUC-E	472157!	298139	ACDEL	240319	298205	ACDEL	415899N	298274	ACDEL	473449
297513	BUC-E	472157	29814	ACDEL	472924	298205	ACDEL	416624	298275	ACDEL	471442
297514	BUC-E	415871	298140	ACDEL	471267	298206	ACDEL	415995	298276	ACDEL	471224
297516	BUC-E	55611=	298141	ACDEL	240462	298207	ACDEL	440972	298277	ACDEL	472409
297517	BUC-E	416107!	298142	ACDEL	240716	298208	ACDEL	441130	298278	ACDEL	471735
297517	BUC-E	455073	298143	ACDEL	453279	298209	ACDEL	350936	298279	ACDEL	472826
2975320	CHRY	370057A	298144	ACDEL	291099	29821	ACDEL	471442	29828	ACDEL	480630
2975361	CHRY	370003A	298146	ACDEL	331173	298210	ACDEL	412920	298280	ACDEL	412920
297591R91	IH	450084!	298147	ACDEL	471466	298211	ACDEL	442251	298281	ACDEL	450133
29759X	MASSE	450065	298148	ACDEL	471224	298211	C-R	50501	298282	ACDEL	471192
2976	ACDEL	6362=	298149	ACDEL	340136	298213	ACDEL	471530	298283	ACDEL	470625
29760	HYST	415082	29815	ACDEL	452222	298214	ACDEL	471281	298284	ACDEL	471529
29761	CHERY	471192	298150	ACDEL	330385	298215	ACDEL	471532	298285	ACDEL	472234
2976511	CHRY	370001A	298151	ACDEL	471267	298216	ACDEL	471472	298286	ACDEL	471413
2976511	CHRY	380001A	298152	ACDEL	340400	298217	ACDEL	471535	298288	ACDEL	473460
297661	BUC-E	416125!	298153	ACDEL	254287	298218	ACDEL	473405	298289	ACDEL	473205
297667	BUC-E	415645!	298155	ACDEL	340771	29822	ACDEL	483054N	29829	ACDEL	6575S
297667	BUC-E	455104	298156	ACDEL	340815	298220	ACDEL	471549	298290	ACDEL	472287
2976698	CHRY	370023A	298157	ACDEL	340817	298221	ACDEL	471558	298291	ACDEL	473234
2977	ACDEL	6832S	298158	ACDEL	340823	298222	ACDEL	471255	298292	ACDEL	471760
29771X	MASSE	473231	298159	ACDEL	340900	298223	ACDEL	481073	298293	ACDEL	473424
2978	ACDEL	6906S	29816	ACDEL	6222	298224	ACDEL	471553	298294	ACDEL	473214
297824	ACF	473010	298160	ACDEL	340927	298225	ACDEL	471554	298295	ACDEL	473421
2978604	CHRY	370057A	298161	ACDEL	345146	298226	ACDEL	471567	298296	ACDEL	473435
2979	ACDEL	7235S	298162	ACDEL	350156	298228	ACDEL	474253	298297	ACDEL	471747
29795	NOK	2955	298162	ACDEL	473096	298229	ACDEL	471570	298298	ACDEL	473236
297951R91	IH	450084!	298163	ACDEL	350364	298230	ACDEL	450033	298299	ACDEL	450188
2979957B00	SUZUK	223831	298164	ACDEL	473227	298231	ACDEL	450039	2983	ACDEL	5797
297FF128	C-R	203034	298165	ACDEL	472311	298232	ACDEL	450040	29830	ACDEL	418028
297G128	C-R	6064	298166	ACDEL	474272	298233	ACDEL	450593	298300	ACDEL	471692
29800	C-R	3698	298167	ACDEL	471554	298234	ACDEL	473419	298301	ACDEL	472705
2981	ACDEL	5462	298168	ACDEL	473367=	298235	ACDEL	450044	298302	ACDEL	481443
29810	ACDEL	471442	298169	ACDEL	473232	298236	ACDEL	476838	298302568	REX	415449!
298100	ACDEL	50883=	29817	ACDEL	6357S	298237	ACDEL	473426	298302668	REX	417172
298101	ACDEL	474256	298170	ACDEL	470530	298238	ACDEL	471750	298303	ACDEL	471231
298102	ACDEL	472185	298171	ACDEL	470530	298239	ACDEL	471354	298303068	REX	415082
298103	ACDEL	412725	298172	ACDEL	411253	29824	ACDEL	455566	298303268	REX	470059
298104	ACDEL	55030	298173	ACDEL	412119	298240	ACDEL	450054	298303268	REX	470380!
298105	ACDEL	416282	298174	ACDEL	471442	298241	ACDEL	473438	298303468	REX	473473
298106	ACDEL	417563	298175	ACDEL	471224	298242	ACDEL	474264	298303568	REX	410496!
298107	ACDEL	417570	298176	ACDEL	412920	298243	ACDEL	471821	298303768	REX	471424!
298108	ACDEL	55236	298177	ACDEL	470625	298244	ACDEL	450065	298304	ACDEL	451583
298109	ACDEL	55239=	298178	ACDEL	470954	298245	ACDEL	473367	298304568	REX	472179
298110	ACDEL	415867	298179	ACDEL	472287	298246	ACDEL	473228	298304668	REX	417343!
298111	ACDEL	415349	29818	ACDEL	6370N	298247	ACDEL	473232	298304768	REX	471835!
298112	ACDEL	55358=	298180	ACDEL	471763	298248	ACDEL	472185	298304868	REX	417507
298113	ACDEL	327303	298181	ACDEL	472015	298249	ACDEL	472439	298304868	REX	417507!
298114	ACDEL	417492	298182	ACDEL	471391	29825	ACDEL	6513	298304968	REX	416364!
298115	ACDEL	415442	298183	ACDEL	473243	298250	ACDEL	481864	298305	ACDEL	480210
298116	ACDEL	55469	298184	ACDEL	413247	298251	ACDEL	450073	298305268	REX	455402=
298117	ACDEL	417780	298185	ACDEL	471870	298252	ACDEL	474265	298305368	REX	473229
298118	ACDEL	417433	298186	ACDEL	471271	298253	ACDEL	474281	298306068	REX	417079
298119	ACDEL	415683	298188	ACDEL	471224	298254	ACDEL	473444	298306168	REX	470530!
29812	ACDEL	7107A=	298189	ACDEL	471570	298255	ACDEL	473446	298306268	REX	415899N
298120	ACDEL	410825	29819	ACDEL	6380	298256	ACDEL	473238	298306268	REX	416624
298121	ACDEL	200642	298190	ACDEL	412473	298257	ACDEL	450084	298306368	REX	415146!
298122	ACDEL	200110	298191	ACDEL	415458	298258	ACDEL	470530	298306368	REX	415991
298123	ACDEL	200322	298192	ACDEL	415027	298259	ACDEL	470086	298306768	REX	473214!
298124	ACDEL	200371	298193	ACDEL	416125	298260	ACDEL	473313	298306968	REX	417349!
298125	ACDEL	200851	298194	ACDEL	415035	298261	ACDEL	470088	298307	ACDEL	471646

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Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
298307068	REX	416332!	298371	ACDEL	471744	298433	ACDEL
298308	ACDEL	471647	298372	ACDEL	472150	298434	ACDEL
298308968	REX	415379	298373	ACDEL	471224	298435	ACDEL
298309	ACDEL	471648	298374	ACDEL	471808	298437	ACDEL
298309468	REX	417603!	298375	ACDEL	412027	298438	ACDEL
298310	ACDEL	471651	298376	ACDEL	413246	298439	ACDEL
298311	ACDEL	471684	298377	ACDEL	471498	29844	ACDEL
298312	ACDEL	472951	298378	ACDEL	470390	298440	ACDEL
298313	ACDEL	471688	298379	ACDEL	450621	298441	ACDEL
298314	ACDEL	471689	29838	ACDEL	410496	298442	ACDEL
298315	ACDEL	471705	298380	ACDEL	481073	298443	ACDEL
298316	ACDEL	471733	298381	ACDEL	471570	298444	ACDEL
298317	ACDEL	470712	298382	ACDEL	471737	298445	ACDEL
298318	ACDEL	471744	298383	ACDEL	471984	298446	ACDEL
298319	ACDEL	471785	298383TA	TRSCM	471759	298447	ACDEL
29832	ACDEL	6590S	298384	ACDEL	481397	298448	ACDEL
298320	ACDEL	471787	298385	ACDEL	471466	298449	ACDEL
298321	ACDEL	471795	298386	ACDEL	473203	29845	ACDEL
298322	ACDEL	473439	298387	ACDEL	473474	298450	ACDEL
298323	ACDEL	472070	298388	ACDEL	473517	298451	ACDEL
298324	ACDEL	450269	298389	ACDEL	481792	298452	ACDEL
298325	ACDEL	450273	29839	ACDEL	417210	298453	ACDEL
298326	ACDEL	474274	298390	ACDEL	471652	298454	ACDEL
298327	ACDEL	471141	298391	ACDEL	470774	298455	ACDEL
298328	ACDEL	472144	298392	ACDEL	472475	298456	ACDEL
298329	ACDEL	472397	298393	ACDEL	471567	298457	ACDEL
29833	ACDEL	6644	298394	ACDEL	471649	298458	ACDEL
298330	ACDEL	473461	298395	ACDEL	471413	298459	ACDEL
298331	ACDEL	450307	298396	ACDEL	451817	29846	ACDEL
298332	ACDEL	471391	298397	ACDEL	451857	298460	ACDEL
298333	ACDEL	473242	298398	ACDEL	470334	298461	ACDEL
298334	ACDEL	412040	298399	ACDEL	474276	298462	ACDEL
298335	ACDEL	472029	2984	ACDEL	5865	298463	ACDEL
298336	ACDEL	413478	29840	ACDEL	6863S	298464	ACDEL
298337	ACDEL	470605	29840	C-R	710028	298465	ACDEL
298338	ACDEL	450339	298400	ACDEL	417073	298466	ACDEL
298339	ACDEL	450341	298401	ACDEL	415001	298467	ACDEL
29834	ACDEL	470954	298402	ACDEL	415458	298468	ACDEL
298340	ACDEL	450342	298403	ACDEL	417316	298469	ACDEL
298341	ACDEL	474254	298404	ACDEL	455005	29847	ACDEL
298342	ACDEL	413247	298405	ACDEL	417344	298470	ACDEL
298343	ACDEL	471504	298406	ACDEL	415007	298471	ACDEL
298344	ACDEL	472164	298407	ACDEL	455008	298472	ACDEL
298345	ACDEL	471538	298408	ACDEL	415960	298473	ACDEL
298346	ACDEL	473448	298409	ACDEL	416921	298474	ACDEL
298347	ACDEL	472193	29841	ACDEL	6886S	298475	ACDEL
298348	ACDEL	472492	298410	ACDEL	416654	298476	ACDEL
298349	ACDEL	473227	298411	ACDEL	415995	298477	ACDEL
29835	ACDEL	6663S	298412	ACDEL	417487	298478	ACDEL
298350	ACDEL	471267	298413	ACDEL	416288	298479	ACDEL
298351	ACDEL	471424	298414	ACDEL	456105	29848	ACDEL
298352	ACDEL	473442	298415	ACDEL	476470	298480	ACDEL
298353	ACDEL	471539	298416	ACDEL	455019	298481	ACDEL
298354	ACDEL	472299	298417	ACDEL	415021	298482	ACDEL
298355	ACDEL	471341	298418	ACDEL	455022	298483	ACDEL
298356	ACDEL	450446	298419	ACDEL	415023	298484	ACDEL
298357	ACDEL	471270	29842	ACDEL	471141	298485	ACDEL
298358	ACDEL	473224	29842	C-R	415449	298486	ACDEL
298359	ACDEL	472319	298420	ACDEL	455024	298487	ACDEL
29836	ACDEL	6703S	298421	ACDEL	415025	298488	ACDEL
298360	ACDEL	473440	298422	ACDEL	455026	298489	ACDEL
298361	ACDEL	450463	298423	ACDEL	415027	29849	ACDEL
298362	ACDEL	450472	298424	ACDEL	415027	298490	ACDEL
298363	ACDEL	450474	298425	ACDEL	416125	298491	ACDEL
298364	ACDEL	471818	298426	ACDEL	416339	298492	ACDEL
298365	ACDEL	473244	298427	ACDEL	455033	298493	ACDEL
298366	ACDEL	450492	298428	ACDEL	415034	298494	ACDEL
298367	ACDEL	471272	298429	ACDEL	415035	298495	ACDEL
298368	ACDEL	473423	29843	ACDEL	7186S	298496	ACDEL
298369	ACDEL	410524	298430	ACDEL	415036	298497	ACDEL
29837	ACDEL	473229	298431	ACDEL	455037	298498	ACDEL
298370	ACDEL	471689	298432	ACDEL	416891	298499	ACDEL
2985	ACDEL	455280	2985	ACDEL	8635S	29850	ACDEL
29850	ACDEL	8635S	298500	ACDEL	416158	298501	ACDEL
298500	ACDEL	416158	298501	ACDEL	417247	298502	ACDEL
298501	ACDEL	417247	298502	ACDEL	415219	298503	ACDEL
298502	ACDEL	415219	298503	ACDEL	417538	298504	ACDEL
298503	ACDEL	417538	298504	ACDEL	415234	298505	ACDEL
298504	ACDEL	415234	298505	ACDEL	415303	298506	ACDEL
298505	ACDEL	415303	298506	ACDEL	415263	298507	ACDEL
298506	ACDEL	415263	298507	ACDEL	456305	298508	ACDEL
298507	ACDEL	456305	298508	ACDEL	417605	298509	ACDEL
298508	ACDEL	417605	298509	ACDEL	415725	29851	ACDEL
298509	ACDEL	415725	29851	ACDEL	8750S	298510	ACDEL
29851	ACDEL	8750S	298510	ACDEL	416706	298511	ACDEL
298510	ACDEL	416706	298511	ACDEL	417254	298512	ACDEL
298511	ACDEL	417254	298512	ACDEL	455280	298513	ACDEL
298512	ACDEL	455280	298513	ACDEL	416364	298514	ACDEL
298513	ACDEL	416364	298514	ACDEL	415294	298515	ACDEL
298514	ACDEL	415294	298515	ACDEL	415295	298516	ACDEL
298515	ACDEL	415295	298516	ACDEL	417082	298517	ACDEL
298516	ACDEL	417082	298517	ACDEL	417601	298518	ACDEL
298517	ACDEL	417601	298518	ACDEL	476470	298519	ACDEL
298518	ACDEL	476470	298519	ACDEL	455308	29852	ACDEL
298519	ACDEL	455308	29852	ACDEL	8907	298520	ACDEL
29852	ACDEL	8907	298520	ACDEL	455310	298521	ACDEL
298520	ACDEL	455310	298521	ACDEL	415984	298522	ACDEL
298521	ACDEL	415984	298522	ACDEL	417536	298523	ACDEL
298522	ACDEL	417536	298523	ACDEL	455330	298524	ACDEL
298523	ACDEL	455330	298524	ACDEL	415284	298525	ACDEL
298524	ACDEL	415284	298525	ACDEL	415284	298526	ACDEL
298525	ACDEL	415284	298526	ACDEL	415379	298527	ACDEL
298526	ACDEL	415379	298527	ACDEL	416956	298528	ACDEL
298527	ACDEL	416956	298528	ACDEL	415389	298529	ACDEL
298528	ACDEL	415389	298529	ACDEL	417350	29853	ACDEL
298529	ACDEL	417350	29853	ACDEL	9773	298530	ACDEL
29853	ACDEL	9773	298530	ACDEL	415937	298531	ACDEL
298530	ACDEL	415937	298531	ACDEL	417555	298532	ACDEL
298531	ACDEL	417555	298532	ACDEL	415498	298533	ACDEL
298532	ACDEL	415498	298533	ACDEL	415551	298534	ACDEL
298533	ACDEL	415551	298534	ACDEL	455556	298535	ACDEL
298534	ACDEL	455556	298535	ACDEL	455566	298536	ACDEL
298535	ACDEL	455566	298536	ACDEL	418028	298537	ACDEL
298536	ACDEL	418028	298537	ACDEL	455685	298538	ACDEL
298537	ACDEL	455685	298538	ACDEL	416267	298539	ACDEL
298538	ACDEL	416267	298539	ACDEL	417316	29854	ACDEL
298539	ACDEL	417316	29854	ACDEL	100495	29854	C-R
29854	ACDEL	100495	29854	C-R	417349*	29854	C-R
29854	C-R	417349*	298540	ACDEL	416364	298541	ACDEL
298540	ACDEL	416364	298541	ACDEL	416071	298542	ACDEL
298541	ACDEL	416071	298542	ACDEL	415995	298543	ACDEL
298542	ACDEL	415995	298543	ACDEL	3016	298544	ACDEL
298543	ACDEL	3016	298544	ACDEL	417530	298545	ACDEL
298544	ACDEL	417530	298545	ACDEL	417191	298546	ACDEL
298545	ACDEL	417191	298546	ACDEL	456744N	298547	ACDEL
298546	ACDEL	456744N	298547	ACDEL	472439	298548	ACDEL
298547	ACDEL	472439	298548	ACDEL	470625	298549	ACDEL
298548	ACDEL	470625	298549	ACDEL	471766	298550	ACDEL
298549	ACDEL	471766	298550	ACDEL	471341	298551	ACDEL
298550	ACDEL	471341	298551	ACDEL	472164	298552	ACDEL
298551	ACDEL	472164	298552	ACDEL	471267	298553	ACDEL
298552	ACDEL	471267	298553	ACDEL	471466	298554	ACDEL
298553	ACDEL	471466	298554	ACDEL	470954	298555	ACDEL
298554	ACDEL	470954	298555	ACDEL	471076	298556	ACDEL
298555	ACDEL	471076	298556	ACDEL	471652	298557	ACDEL
298556	ACDEL	471652	298557	ACDEL	471272	298558	ACDEL
298557	ACDEL	471272	298558	ACDEL	471571	298559	ACDEL
298558	ACDEL	471571	298559	ACDEL	100495	29856	C-R
298559	ACDEL	100495	29856	C-R	417349	298561	ACDEL
29856	C-R	417349	298561	ACDEL	471413	298562	ACDEL
298561	ACDEL	471413	298562	ACDEL	471737	298563	ACDEL
298562	ACDEL	471737	298563	ACDEL	473238		
298563	ACDEL	473238			472397		

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
298564	ACDEL	472324	298654	ACDEL	473471	298717	ACDEL	416891	298782	ACDEL	417316
298565	ACDEL	415458	298655	ACDEL	350156	298718	ACDEL	416921	298783	ACDEL	473473
298566	ACDEL	471442	298656	ACDEL	50254=	298719	ACDEL	417493	298784	ACDEL	417211
298567	ACDEL	472258	298657	ACDEL	50289	29872	ACDEL	471766	298785	ACDEL	471633
298568	ACDEL	480821	298658	ACDEL	50327	29872	C-R	417349!	298786	ACDEL	415867
298569	ACDEL	480844	298659	ACDEL	50462	298720	ACDEL	417563	298787	ACDEL	417608
29857	ACDEL	471224	29866	ACDEL	40410S	298721	ACDEL	471137	298788	ACDEL	473471
29857	C-R	100495	29866	C-R	417349!*	298722	ACDEL	473427	298789	ACDEL	470328
29857	C-R	417349	298660	ACDEL	470606	298723	ACDEL	473475	29879	ACDEL	473415
298570	ACDEL	471076	298661	ACDEL	471276	298724	ACDEL	473425	29879	C-R	417350!
298571	ACDEL	471652	298662	ACDEL	412040	298725	ACDEL	450430	298790	ACDEL	455406
298572	ACDEL	473231	298663	ACDEL	474279N	298726	ACDEL	450482	298791	ACDEL	411376
298573	ACDEL	470380	298664	ACDEL	457585	298727	ACDEL	450516	298792	ACDEL	415725
298574	ACDEL	472015	298665	ACDEL	417298	298728	ACDEL	414268	298793	ACDEL	453279
298575	ACDEL	482069N	298666	ACDEL	415116	298729	ACDEL	450639	298794	ACDEL	470605
298576	ACDEL	472157	298667	ACDEL	455406	298730	ACDEL	450765	298795	ACDEL	474265
298577	ACDEL	415196	298668	ACDEL	417498	298731	ACDEL	471633	298796	ACDEL	473442
29858	ACDEL	40169S	298669	ACDEL	415227	298732	ACDEL	450803	298797	ACDEL	451469
298581	ACDEL	5M89	29867	ACDEL	40468	298733	ACDEL	470806	298798	ACDEL	417134
298584	ACDEL	5M293	29867	C-R	100495	298734	ACDEL	450819	298799	ACDEL	417354
298587	ACDEL	5M466	29867	C-R	476023N	298735	ACDEL	450869	2988	ACDEL	5965
298589	ACDEL	5M559	298670	ACDEL	55228=	298736	ACDEL	471958	29880	ACDEL	471103
298594	ACDEL	5M867	298671	ACDEL	415027	298737	ACDEL	471689	29880	C-R	417350!
29859X	MASSE	417191	298672	ACDEL	55548	298738	ACDEL	451469	298800	ACDEL	417549
29859X	MASSE	455165!	298675	ACDEL	7208S	298739	ACDEL	473016	298801	ACDEL	417555
2986	ACDEL	5877	298678	ACDEL	210914	29874	ACDEL	41013S	298802	ACDEL	470565
29860	C-R	100495	298679	ACDEL	417343	298740	ACDEL	417520	298803	ACDEL	416125
29860	C-R	417349	29868	ACDEL	40520S	298741	ACDEL	415047	298805	ACDEL	471760
298601	ACDEL	1020	29868	C-R	3698	298742	ACDEL	415090	298806	ACDEL	473424
298604	ACDEL	2064	298680	ACDEL	412473	298743	ACDEL	417602	298807	ACDEL	471647
298605	ACDEL	6098=	298681	ACDEL	415725	298744	ACDEL	417604	298808	ACDEL	472951
298609	ACDEL	240385	298683	ACDEL	240435	298746	ACDEL	417354	298809	ACDEL	471567
29861	ACDEL	40328	298684	ACDEL	470530	298747	ACDEL	415187	29881	C-R	417350!
298610	ACDEL	240470	298685	ACDEL	415995	298748	ACDEL	455191	298810	ACDEL	415045
298611	ACDEL	413248	298687	ACDEL	417211	298749	ACDEL	417600	298811	ACDEL	415295
298612	ACDEL	450808	298688	ACDEL	415437	29875	ACDEL	45525S	298812	ACDEL	417278
298614	ACDEL	453510	298689	ACDEL	412473	298750	ACDEL	417278	298813	ACDEL	415937
298615	ACDEL	3136N	29869	ACDEL	40555S	298751	ACDEL	417494	298814	ACDEL	417355
298616	ACDEL	5133	29869	C-R	100495	298752	ACDEL	417549	298815	ACDEL	410825
298617	ACDEL	471141	29869	C-R	417349	298753	ACDEL	415449	298816	ACDEL	417316
29862	ACDEL	40370S	298690	ACDEL	481537	298754	ACDEL	418029	298817	ACDEL	471652
29862	C-R	327995	298691	ACDEL	481163	298754	VICK	330385!	298818	ACDEL	471526
29862	C-R	4307V	298692	ACDEL	473424	298755	ACDEL	455820	298819	ACDEL	471554
29862	C-R	5273	298693	ACDEL	471750	298757	ACDEL	471526	29882	ACDEL	6863S
298620	ACDEL	5971	298694	ACDEL	473215	298758	ACDEL	471554	29882	C-R	417350!
298626	ACDEL	471570	298695	ACDEL	473464	298759	ACDEL	473213	298820	ACDEL	473213
298627	ACDEL	471264	298696	ACDEL	471192	29876	ACDEL	45637S	298821	ACDEL	473242
298628	ACDEL	481443	298697	ACDEL	473466	298760	ACDEL	473215	298822	ACDEL	417210
29863	ACDEL	474276	298698	ACDEL	470605	298761	ACDEL	J712	298823	ACDEL	472354
29863	C-R	100495	298699	ACDEL	473448	298762	ACDEL	417355	298824	ACDEL	416865
29863	C-R	476023N	2987	ACDEL	473228	298764	ACDEL	472409	298825	ACDEL	415227
298631	ACDEL	7639S	29870	ACDEL	40568S	298765	ACDEL	471765	29883	ACDEL	481163
298632	ACDEL	417608	29870	C-R	100495	298766	ACDEL	473468	29884	ACDEL	470328
298633	ACDEL	7973S	29870	C-R	3698	298767	ACDEL	471264	29885	ACDEL	350364
298636	ACDEL	417316	29870	C-R	476023V!=	298768	ACDEL	471267	29885	C-R	417350!
298637	ACDEL	416865	298700	ACDEL	410752	298769	ACDEL	473237	29886	C-R	417350*=
298638	ACDEL	40094S	298701	ACDEL	412119	29877	ACDEL	45825S	29887	ACDEL	330385
298639	ACDEL	40097S	298702	ACDEL	415001	29877	C-R	417350*	29887	C-R	417350!
29864	ACDEL	472354	298703	ACDEL	416288	298770	ACDEL	471649	29888	ACDEL	472354
298640	ACDEL	471765	298704	ACDEL	415023	298771	ACDEL	471765	29889	ACDEL	470409
298641	ACDEL	471647	298705	ACDEL	415302	298772	ACDEL	471835	29889	C-R	417350!
298642	ACDEL	471689	298706	ACDEL	415449	298773	ACDEL	473459	298897	ACF	471821!
298644	ACDEL	330385	298707	ACDEL	417343	298774	ACDEL	472150	2989	ACDEL	415437
298645	ACDEL	40627S=	298709	ACDEL	415379	298775	ACDEL	472258	29890	ACDEL	353132
298649	ACDEL	471224	29871	C-R	417349!	298776	ACDEL	45827S	29890	C-R	417350!
29865	ACDEL	42352S	298710	ACDEL	417357	298777	ACDEL	475348N	29891	ACDEL	450765
29865	C-R	100495	298711	ACDEL	415192N	298778	ACDEL	476023N	29891	C-R	417350
29865	C-R	417349!	298712	ACDEL	417247	298779	ACDEL	416282	298914	ACF	472636!
298650	ACDEL	471267	298713	ACDEL	417433	29878	ACDEL	470004	29892	ACDEL	350435
298651	ACDEL	470954	298714	ACDEL	415960	29878	C-R	417350!	29893	ACDEL	50468
298652	ACDEL	473414	298715	ACDEL	416071	298780	ACDEL	417492	29894	ACDEL	472810
298653	ACDEL	50081	298716	ACDEL	416229	298781	ACDEL	476574N	29894	C-R	417350!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
29895	ACDEL	471344	299210L	C-R	471504!	29943	C-R	415995	29970	C-R	415995!
29896	ACDEL	471887	29922	ACDEL	417505	29944	ACDEL	370107A	29971	C-R	415995!
29896	C-R	455509	29922	C-R	473466	29945	ACDEL	370036A	29971-80050	GARLK	223843
29897	ACDEL	471276	29922M1	C-R	473466	29945	ACDEL	370338A	29971-80050	SUZUK	38X60X10
298970	ACF	417267	29923	ACDEL	386025A	29946	ACDEL	370349A	299713	BUC-E	472157!
29898	ACDEL	470954	29923	ACDEL	416158	29946	ACDEL	415058	299713	BUC-E	472157
29899	ACDEL	480889	29923	C-R	415995!	29947	C-R	415995!	29974	C-R	415995!
29899	C-R	453182	29924	ACDEL	370026A	29948	ACDEL	376590A	299747R91	IH	450084!
298AMM2	C-R	470530!	29924	C-R	473467	29949	ACDEL	416865	29975	C-R	415995!
298AW28	C-R	471341!	29924M1	C-R	473467	29949	C-R	415995	2998	ACDEL	370007A
298B124	C-R	473448	29925	ACDEL	370027A	299492R1	IH	J825	2998	ALLCH	471689!
298B2	C-R	470530!	29925	C-R	415995!*	299493R91	IH	455282N	2998	TRAC	471689!
298C2	C-R	470530!	29925	C-R	415995!	299494R91	IH	455053N	29980	C-R	417351!
298F124	C-R	5711	29926	ACDEL	416865	299495R91	IH	455053N	29980-4465	GARLK	3459
298FF123-L	C-R	6101	29926	C-R	472234	2995	ACDEL	370004A	299808038	GARLK	450400
298FF124-L	C-R	473448	29926M1	C-R	472234	29950	ACDEL	370086A	299808062	GARLK	415284
298HD128	C-R	203034	29927	ACDEL	370029A	29950	C-R	415995!	29985	C-R	417351!
299-6	ACDEL	370005A	29927	C-R	415995!	2995000	ACDEL	AR1	29986	C-R	417351!
29902	C-R	415995!	29928	ACDEL	370030A	2995001	ACDEL	AR2	2999	ACDEL	370008A
29906	C-R	415995!	29928	C-R	471341!	2995002	ACDEL	AR4	29990-0480	GARLK	473241
29907	C-R	415995!	29928M1	C-R	471341!	2995003	ACDEL	AR5	29996	C-R	417351!
29908	C-R	415995!	29929	ACDEL	415058	2995004	ACDEL	AR6	29997	C-R	417351!
29908	C-R	415995!	29929	C-R	415995!	2995005	ACDEL	AR7	299978	ACF	472560N
29909	C-R	415995!	2992K	CLARK	470530!	2995006	ACDEL	AR8	29998	C-R	417351!
29910	ACDEL	417506	2992M1	C-R	470530!	2995007	ACDEL	AR10	299A2	C-R	470530
29910	C-R	415995!	2993	ACDEL	370002A	2995008	ACDEL	AR11	299A28	C-R	471341!
29910	C-R	415995!	29930	ACDEL	370033A	2995009	ACDEL	AR12	299AMM2	C-R	470530!
29911	ACDEL	417134	29930	C-R	415995!	2995010	ACDEL	AR20	299B124	C-R	473448*
29911	C-R	415995!	29931	ACDEL	370034A	29951	ACDEL	370094A	299B2	C-R	470530!
29911	C-R	415995!	29931	JOHND	473214	29951	C-R	415995!	299BBM24-L	C-R	473467
299110	C-R	450147	29932	ACDEL	370036A	29952	ACDEL	370121A	299C2	C-R	470530!
299116	C-R	450326	29932	ACDEL	370349A	29952	C-R	415995*	299CHA-2	C-R	470530!
29912	ACDEL	370011A	29932	C-R	415995!	29952	C-R	415995!	299F2	C-R	470530!
29912	C-R	415995!	29933	ACDEL	370037A	29953	ACDEL	370124A	299F22	C-R	473466
29912	C-R	415995=	29933	ACDEL	370211A	299539	BR-ST	471733	299F24	C-R	473467!
29912	C-R	415995!=	29933	C-R	415995!	29956	C-R	45013S	299F28	C-R	471341!
299120	C-R	450415	29934	ACDEL	370043A	29958	C-R	415995!	299FF124	C-R	473448*
299124	C-R	473448	29935	ACDEL	370046A	29959	C-R	415995!	299FF128	C-R	203034*
299124M1	C-R	473448	29935	C-R	415995!	299594	ACF	481644	299FL2-M1	C-R	470530!
299128	C-R	450084!	29935	C-R	415995	2996012	ACDEL	HU031A	299FL2-M2	C-R	470530!
299128	FAIRB	450084!	29936	ACDEL	370047A	2996018	ACDEL	HU057A	299FM124	C-R	471984*
299128M1	C-R	450084!	29937	C-R	415995	2996021	ACDEL	HU065A	299FM2	C-R	470530!
29913	ACDEL	370012A	29937	C-R	415995!	2996022	ACDEL	H075	299FM22	C-R	473466
29913	C-R	415995!	29938	ACDEL	370054A	2996028	ACDEL	HU003A	299FM28	C-R	471341!
29913	C-R	415995	29938	C-R	415995!	2996029	ACDEL	HU005A	299G2	C-R	40085S
299130	C-R	473460	29938	C-R	415995	2996030	ACDEL	HU007A	299H128-T8	C-R	450084!
299130	GR-DV	473460	29939	ACDEL	370057A	2996031	ACDEL	HU008A	299H24	C-R	473467
299130	JA-MI	473460	2994	ACDEL	370003A	2996032	ACDEL	HU009A	299MA2-L	C-R	470530!
299130	JAE	473460	29940	ACDEL	370065A	2996033	ACDEL	HU011A	299N2	C-R	470530!
299130M1	C-R	473460	29940	GARLK	411330!	2996034	ACDEL	HU012A	299W120	C-R	450415
299131	C-R	50528	29940-0133	GARLK	5124	2996035	ACDEL	HU013A	299W128	C-R	450084!
299131M1	C-R	50528	29940-0300	GARLK	5121	2996036	ACDEL	HU014A	299W128-M1	C-R	450084!
29914	ACDEL	417172	29940-0412	GARLK	710005	2996037	ACDEL	HU019A	299W130	C-R	473460
29915	ACDEL	370015A	29940-0415	GARLK	710005	2996038	ACDEL	HU024A	299W130-M1	C-R	473460
29915	ALLCH	417316!	29940-0445	GARLK	3173	2996039	ACDEL	HU028A	299W2	C-R	470530!
29916	ACDEL	418028	29940-0453	GARLK	710046	2996041	ACDEL	HU034A	299W2-M1	C-R	470530!
29916	C-R	415995!	29940-0458	GARLK	8312	2996042	ACDEL	HU036A	299W212	C-R	470764
29916	C-R	415995	29940-0503	PREC	710091	2996043	ACDEL	HU042A	299W212	C-R	50764
29917	ACDEL	370019A	29940-4177	GARLK	9449	2996044	ACDEL	HU044A	299W22	C-R	473466
29918	ACDEL	370020A	29940-4415	GARLK	710005	2996045	ACDEL	HU110A	299W22-M1	C-R	473466
29919	ACDEL	370021A	29940-4445	GARLK	3173	2996047	ACDEL	HU058A	299W24	C-R	473467
29919	C-R	415995!	29940-4453	GARLK	710046	2996048	ACDEL	HU066A	299W24-M1	C-R	473467
2992	ACDEL	370001A	29940-8055	GARLK	411330!	2996049	ACDEL	HU110A	299W26	C-R	472234
2992	ACDEL	380001A	29940-8056	GARLK	477069	299609	BR-ST	472475	299W27	C-R	472234
2992	C-R	470530!	299404435	GARLK	472572	29961	C-R	415995	299W28	C-R	471341!
2992	FAIRB	470530!	29941	ACDEL	417507	29962	C-R	45013S	299WL2-M1	C-R	470530!
2992	GR-DV	470530!	29941	C-R	415995	2996200	ACDEL	B299	29B7159	FORD	472015!
29920	ACDEL	416892	29941	C-R	415995!	2996201	ACDEL	B300	29QJ-2931J	MACK	370021A
29920	C-R	415995!	29942	ACDEL	370069A	2996202	ACDEL	B300	29X49219	GW	471141!
29920	C-R	415995	29942	ACDEL	380065A	29967	C-R	415995	29X50096V	GW	471466!
29921	ACDEL	370023A	29943	ACDEL	370106A	29968	C-R	45013S	29X60497	GW	50468
29921	C-R	415995!	29943	C-R	415995!	2997	ACDEL	370006A	29X60725V	GW	472439

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
29X60725V KEN	472439	2F9560 MURRA	455146!	2K9059 CATER	416476!	3-SPC22 NOVO	474264
29X60777 ALLCH	473462	2F9560 NATEN	415991	2K9150 CATER	417316	3-Y393 KEN	471141!
29X60777 GWI	473462	2F9560 NATEN	455146!	2L1016 HU-WR	417546!	3-Y569 KEN	472409!
29X60777 IH	473462	2F9760 CATER	471762!	2L1047 HU-WR	417357	300 UNIVE	417487
29X60777 MACK	473462	2FB138 WHITE	411500	2L1047 HU-WR	455192!	300-463-1 SPICE	711552
29X60981 GWI	417486	2FT90 OSHKO	415991	2L1392 HU-WR	417357	30000 C-R	417351!
2A134 CATER	415066	2H1663 CATER	471785!	2L8635 CATER	471281!	300004 CURTS	471224!
2A1614 CATER	416738!	2H1746 CATER	471413	2LA-0662 WHITE	471554!	300007 H-S	450593!
2A1614 CATER	450096	2H2212 CATER	330385!	2LG6700 FORD	350936	30001 C-R	417351!
2A1983 CATER	415458!	2H3823 CATER	473462	2M482 FMC	415449!	30003 JN-MN	730004
2A3688 CATER	473464	2H3823 TRACN	473462	2M5965 CATER	416624	300064 CATER	J1141
2A3688 CATER	473464!	2H3824 CATER	415001!	2M7316 CATER	471466!	300064 TMTR	J1141
2A3688 WESTR	473464!	2H3830 CATER	471141!	2M7316 FI-AL	471466!	300066 CATER	473232!
2A3688 WESTR	473464	2H3830 TRACN	471141!	2M8216 CATER	474281!	300066 TMTR	473232!
2A4262 CATER	474281!	2H3843 CATER	470898	2M8675 CATER	471649!	300067 CATER	473224!
2A4547 CATER	450535	2H3843 TRACN	470898!	2N4251 FORD	417316!	30006767 GMC	1188
2A4547 CATER	471264!	2H3844 CATER	473227	2N4251X FORD	417316!	30006767 GMC	4904
2A4575 CATER	473446	2H3846 CATER	472157!	2P3857 CATER	J1880* =	30007 C-R	100495
2A5113 CATER	471570!	2H3846 CATER	472157	2P3858 CATER	J1825	30007 C-R	4810V!
2A5215 CATER	473225!	2H3846 TRACN	472157!	2P3859 CATER	J1780	3000770 HYST	473237!
2A5285 CATER	471530	2H3846 TRACN	472157	2P8423 CATER	471138!	300078 O-M	481443!
2A6475 ROCKW	417316!	2H3847 CATER	413247!	2PS396 C-P	472572!	300079 CURTS	472179
2A939 AU-WS	1873	2H3847 TRACN	413247!	2QA6700 FORD	350936	30008139 ALLCH	45013S
2B1869 CATER	470950!	2H3848 CATER	415234!	2R0299 CATER	415379	300087 CURTS	472258!
2B1869 CATER	6241S	2H3848 TRACN	415234!	2R2677 CATER	472185!	30009 JN-MN	733067
2B2589 CATER	417073	2H3849 CATER	415379	2R299 CATER	415379	30009 SPG	471466!
2B3544 CATER	416738!	2H3849 CATER	415379	2R312 MOHWK	3591	3000975 CUMMI	472409
2B3544 CATER	450096	2H3850 CATER	472016	2R759 CATER	471554	3000976 CUMMI	50569
2B3883 CATER	415263	2H3851 CATER	417191	2R7647 CATER	415369H =	3000977 CUMMI	39705
2B40 WHITE	415458!	2H3851 CATER	455165!	2R7648 CATER	417487 =	30010 C-R	417351!
2B50 CATER	471570!	2H3853 CATER	455290	2R8416 CATER	415389 =	30011 C-R	417351!
2B6005 CATER	415995!	2H3910 CATER	473448	2S1076 CATER	472636!	300111 C-W	471612
2B6005 WESTR	415995!	2H3910 TRACN	473448	2S2077 CATER	471195!	300111 CURTS	471612
2B6040 CATER	476838!	2H3911 CATER	418028	2S2078 CATER	470565 =	3001138 CUMMI	39701
2B6040 WESTR	476838!	2H3911 CATER	455137!	2S2376 CATER	471504!	300124 C-R	471984
2B8836 CATER	476470	2H3912 CATER	471391!	2S2680 CATER	415995!	300124M1 C-R	471984
2BL-01268 WHITE	45637S	2H3912 TRACN	471391!	2S5867 CATER	470625	300128 C-R	473239
2C108 NOVO	450129	2H3913 CATER	417073	2SB155 WHITE	473228	300128M1 C-R	473239
2C108 NOVO	472826!	2H3915 CATER	323138!	2SB415 WHITE	415001!	300130 C-R	472394
2C67 WHITE	471466!	2H3917 CATER	471413	2SD46 WHITE	481864	300130 GR-DV	472394
2C67P NATSU	471466!	2H3918 CATER	410825	2SD62 WHITE	472924!	300130M1 C-R	472394
2D1157 CATER	415137!	2H3919 CATER	471272!	2SPC22A NOVO	471689!	30013272 GMC	710394
2D1157 CATER	418028	2H4403 LEYLD	471689!	2T0340 JN SON	J1105	300137 CURTS	472397!
2D1521 CATER	471571	2H4500 LEYLD	1020	2T340 CATER	J1105	30014404 TROS	471981
2D17341 GMC	50327	2H4659 LEYLD	416664!	2UJ-069 WHITE	473179	300145 CURTS	470806
2D186 WHITE	470334!	2H5021 CATER	471689!	2UJ-0962 WHITE	473179	30015 C-R	7338N
2D191 WHITE	417073	2H6250 CATER	450084!	2UJ-0621 WHITE	471689!	300151R92 IH	415035 =
2D2930 CATER	473210	2H9298 CATER	472354!	2UUA-0962 WHITE	471192	30015206 TROS	7044NA
2D300 WHITE	413469!	2J1307 CATER	416364!	2UV-0962 WHITE	473179	30015608 TROS	473239
2D5652 CATER	472397!	2J1411 CATER	710011	2UV0662 WHITE	471689!	300160 CURTS	471224!
2D599 CATER	471688	2J1746 CATER	471413	2V9405 CATER	3276* =	30016005 TROS	472394
2D61 WHITE	473458!	2J2631 CATER	417546!	2W1733 CATER	39887	30016008 TROS	472394
2D639 WHITE	413469!	2J6305 CATER	7184 =	2W1734 CATER	39888	30016010 TROS	472394
2D640 WHITE	473462	2J7426 CATER	415295	2XE446 PARGN	471570!	3001771 CUMMI	5223
2D757 WHITE	473462	2J8333 CATER	471224!	2XE446A PARGN	472924!	3001772 CUMMI	39823
2D8540 CATER	415035!	2J8952 CATER	417596	3-002403 CALI	415234!	300178 CURTS	473214!
2D9469 CATER	417316 =	2J9472 CATER	240816	3-014300 CALI	470354	30018130 GMC	710394
2D9870 CATER	471733	2JG12 KEN	470059	3-037500 CALI	415034!	300186 CURTS	470625!
2E392520227 IH	471567!	2JG12 KEN	470380!	3-055600 CALI	455536	300194 CURTS	471413!
2E3925207 IH	416654!	2JG20 KEN	417316 =	3-056600 CALI	417433	3002 ALLCH	472397!
2EP40M317343 CINMI	410496!	2JG39 KEN	416654	3-056800 CALI	415036	3002 BUC-E	472397!
2F3723 CATER	471103!	2JG41 KEN	417484!	3-056802 CALI	415036	3002 C-R	472397!
2F5885 CATER	415085!	2K1382 CATER	456890	3-057000 CALI	416892!	3002 CABOT	472397!
2F5885 CATER	456648	2K1382 TRACN	456890	3-057800 CALI	7354N	30020004 TROS	472397!
2F6678 CATER	471231!	2K1383 CATER	417254	3-066600 CALI	412943	30020006 TROS	472397!
2F6781 CATER	350435	2K1383 TRACN	417254	3-066800 CALI	416008	30020008 TROS	472397!
2F6782 CATER	472705!	2K1384 TRACN	416865!	3-067000 CALI	416107!	30020405 TROS	6954S
2F687 MTR-C	J1128	2K3881 CATER	471267!	3-067000 CALI	455073	300207BGO SPG	300207
2F7426 CATER	471281!	2K4816 CATER	471529	3-075100 CALI	415294!	30020805C TROS	8430S
2F8200 CATER	472185!	2K6983 CATER	450307	3-228 TW-CO	417507	30020808 TROS	472015!
2F9538 MURRA	55218 =	2K7140 LEYLD	1110	3-228 TW-CO	417507!	30020936 GMC	710522
2F9560 MURRA	415991	2K8047 CATER	416921!	3-4-783 SPICE	472397!	300210BG3 SPG	300210

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Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
30021203.5	TROS	3004316	CUMMI	30085	SPG	301017	TMTR
30021607	TROS	3004316	CUSH	3008506LPD	JN-MN	30101N	SPG
30021608	TROS	3004317	CUMMI	30087	C-R	30102	JOHND
30022	C-R	300437	UNIVE	30087	C-R	301028R91	IH
30022004	TROS	300438	MICH	30089	C-R	301032R91	IH
30022106.5	TROS	3004546	HYST	30089	C-R	3010457	CUMMI
300221X06.5	TROS	3004548	HYST	30090	C-R	3010459	CUMMI
300221X06.5C	TROS	3004726	HYST	300916	WHITE	3010462	CUMMI
300228	CURTS	3004731	HYST	30095	C-R	3010463	CUMMI
30022M1	C-R	3004786	HYST	30096	C-R	3010464	CUMMI
30023	C-R	3004787	HYST	30096	C-R	3010465	CUMMI
300230	GR-DV	3004790	HYST	3009625	CUMMI	30108	C-R
30023204	TROS	3004795	HYST	30097	C-R	3010945	CUMMI
30023204	TROS	30049	C-R	30097	C-R	30110PN3006	ACURA
3002356	CUMMI	30049	C-R	30098	C-R	30112	C-R
300235601	CUMMI	300491	CURTS	30099	SPG	30113	C-R
30023667	GMC	3004985	HYST	300A15604	TROS	30116	C-R
30024	C-R	300499	UNIVE	300A15607.75	TROS	30117	C-R
30024	CABOT	300500	MICH	300A15608	TROS	301177C91	IH
30024	GEHL	3005041	GWI	300A15610	TROS	301181	HYST
3002400	CALI	30055	C-R	300A15610.5	TROS	30121	GEM
300244	C-W	30055	C-R	300A16008	TROS	301210	CLARK
300244	CURTS	30055	SPG	300A2	C-R	301211	CLARK
30024B63	CABOT	3005592	HYST	300A20006	TROS	30123	C-R
30024M1	C-R	30057	C-R	300A20008	TROS	301234C	OLIVE
30025	C-R	3005885	CUMMI	300A20010.5	TROS	301234E	MINNM
30026	C-R	3005887	CUMMI	300A20012	TROS	301234E	OLIVE
300269	CURTS	3005887	CUMMI	300A20808	TROS	30125	C-R
30026M1	C-R	30059	SPG	300A20812	TROS	301257	CLARK
30026Q6	C-R	3005OS	JN-MN	300A21208	TROS	30128	SPICE
30027	C-R	30060	C-R	300A21607	TROS	3012898	GWI
30027	C-R	30060	GARLK	300A21608	TROS	30129	C-R
30027	MALL	30061	ALLCH	300A21612	TROS	30130	C-R
30027	SPG	30061	C-R	300AM2	C-R	301317	WHITE
30028	C-R	3006236	CUMMI	300B130	C-R	301317	WHITE
300285	CURTS	3006237	CUMMI	300B15606	TROS	30131718	ALLCH
30028M1	C-R	30064	C-R	300C14708	TROS	301331R91	IH
3002M1	C-R	3006557	CUMMI	300F28	C-R	301332R91	IH
30031	C-R	30066	SPG	300FM124	C-R	301333R91	IH
30031	C-R	3006642	GWI	300FM28	C-R	3013347	CUMMI
300319	CURTS	30067	C-R	300G126	C-R	301334R91	IH
3003239	CUMMI	30067	SPG	300G126	C-R	301335R91	IH
3003272	HYST	3006736	CUMMI	300G2	C-R	30135	SPG
30033	C-R	3006737	CUMMI	300G28	C-R	301351	CLARK
3003353	CUMMI	3006738	CUMMI	300HM216	C-R	301352	CLARK
3003353	HYST	3006739	CUMMI	300HM216	C-R	30140	C-R
300343	CURTS	3006740	CUMMI	300N130	C-R	3014302	CALI
30035	C-R	3006741	CUMMI	300N24	C-R	30143796	ALLCH
30035	C-R	3006742	CUMMI	300RC	SUL	30144	C-R
3003572	HYST	3006743	CUMMI	300RC	SUL	30144349	ALLCH
30036	C-R	3006744	CUMMI	300W120	C-R	30145	C-R
30037	C-R	30068	C-R	300W124	C-R	30145	C-R
3003862	HYST	30069	SPG	300W124-M1	C-R	30147	C-R
300387	UNIVE	30070	C-R	300W128	C-R	30148	C-R
3003877	CUMMI	30070	SPG	300W128-M1	C-R	301487	O-M
3003878	CUMMI	30071021	ALLCH	300W130	C-R	301495	AMC
300388	MICH	30071609	ALLCH	300W130-M1	C-R	30150	MICH
3004	LABEQ	30072	GARLK	300W2	C-R	30153	C-R
30040	C-R	30073886	ALLCH	300W2-M1	C-R	30153	C-R
300400	CURTS	3007466	GWI	300W22-M1	C-R	301532R1	IH
300400	MICH	3007497	ALLCH	300W24-M1	C-R	301532R91	IH
300400	UNIVE	30074975	ALLCH	300WL130-M1	C-R	301569C91	IH
300412	UNIVE	3007498	ALLCH	300WL24-M1	C-R	3016	TIMKE
300413	MICH	30076	C-R	301-SA477	B-L-H	30162	MICH
300424	UNIVE	30077	GWI	301-SA799	B-L-H	30162	UNIVE
300425	MICH	3007723	ALLCH	30100	C-R	30163	SPG
3004256	HYST	30078	C-R	301013	CATER	3016660	CUMMI
3004257	HYST	30081	GARLK	301013	TMTR	3016788	CUMMI
3004302	HYST	30083	C-R	301014R91	IH	3016789	CUMMI
3004303	HYST	30083S	SPG	30101695	ALLCH	3016792	CUMMI
3004306	HYST	30084	C-R	30101695	ALLCH	3016793	CUMMI
3004307	HYST	300845C91	IH	301017	CATER	3016794	CUMMI

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
30168	UNIVE	50419*	301SE262	B-L-H	415551	301SP650	CLARK	455146!	302425	UNIVE	455015
3016S	SPG	3016	301SE347	B-L-H	417556	301SR162	B-L-H	416654!	302459R91	IH	471224!
30170344	ALLCH	415991	301SE347	CLARK	417556	301SR175	B-L-H	415090	30246201	ALLCH	412119
30170344	ALLCH	455146!	301SE477	B-L-H	55030	301SR175	CLARK	415090	30246458	ALLCH	472439
30173	SPICE	40185	301SE522	B-L-H	472185!	301SR262	B-L-H	472560N!	30246540	ALLCH	417967!
301732	SPICE	40185	301SF175	B-L-H	417020	301SR347	B-L-H	473225!	30246920	ALLCH	473238
301733	SPICE	40185	301SF262	B-L-H	415072	301SR477	B-L-H	473313	30247290	ALLCH	455330!
30175	MICH	472951	301SF347	B-L-H	470605!	301SR522	B-L-H	415995!	302495	O-M	471264!
30175	MICH	474252	301SF347	CLARK	470605!	301SS162	B-L-H	416332!	3024OS	JN-MN	471763*
30175	UNIVE	472951	301SF477	B-L-H	455462	301SS175	B-L-H	415437	302500	MICH	455020
30175	UNIVE	474252	301SF522	B-L-H	415482	301SS175	B-L-H	415437!	302564	O-M	481443!
30182	UNIVE	450039	301SF541	B-L-H	415991	301SS262	B-L-H	416107!	3025OS	JN-MN	471766!
30183	MICH	450339	301SF541	B-L-H	415991!	301SS262	B-L-H	455073	3026	CLIN	254287
30183N	SPG	472179	301SF650	B-L-H	416892!	301SS262	CLARK	416107!	302640	CLARK	411376!
30184345	ALLCH	415379	301SH175	B-L-H	415001!	301SS262	CLARK	455073	3026OS	JN-MN	473212!
30184345	ALLCH	415379!	301SH262	B-L-H	55242	301SS347	B-L-H	416892!	3027675	CUMMI	39877
3018584	B-L-H	415551	301SH347	B-L-H	415007	301SS477	B-L-H	415449!	3027680	CUMMI	39879
301917	O-M	427RR	301SH347	CLARK	415007	301SS522	B-L-H	415077	30277	SPICE	6808N
301923R91	IH	415991	301SH477	B-L-H	415036	301ST175	B-L-H	415379!	30277099	ALLCH	417316=
301923R91	IHM	415991!	301SH522	CLARK	455330!	301ST175	B-L-H	415379	3027OS	JN-MN	473010
3019600	CUMMI	39867	301SH650	B-L-H	417543	301ST262	B-L-H	417273	3028	NATL	473179
30199	WAYNE	470409!	301SJ175	B-L-H	472157!	301ST347	B-L-H	473238	302825E	OLIVE	471554!
30199	WAYNE	50409	301SJ175	B-L-H	472157	301ST477	B-L-H	417538	30283	PEERC	473016!
301991	O-M	340787	301SJ175	CLARK	472157	301ST477	CLARK	417538	30283	SPG	473179!
301B2	C-R	472397!	301SJ175	CLARK	472157!	301ST522	CLARK	55333=	302837	PEERC	472179
301B24	C-R	472015!	301SJ262	B-L-H	415645!	301SU162	B-L-H	416666	3028697	ALLCH	410308
301SA162	B-L-H	415116	301SJ262	B-L-H	455104	301SU175	B-L-H	415960!	30286975	ALLCH	410308
301SA175	B-L-H	417562	301SJ347	B-L-H	416077	301SU262	B-L-H	471341!	30287403	ALLCH	471224!
301SA175	CLARK	417562	301SJ347	CLARK	416077	301SU347	B-L-H	55268	3028OS	JN-MN	473444
301SA262	B-L-H	416865!	301SJ477	B-L-H	471647	301SU347	CLARK	55268	302912R91	IH	415437!
301SA347	B-L-H	417210!	301SJ522	CLARK	55239=	301SU477	B-L-H	417492	302913R91	IH	455040N=
301SA485	B-L-H	340413	301SJ650	B-L-H	417606	301SU522	B-L-H	417298	302957	GW	323138!
301SA521	B-L-H	415995!	301SK175	B-L-H	416364!	301SU650	B-L-H	473444	3029OS	JN-MN	472572!
301SA522	B-L-H	416239!	301SK175	CLARK	416364!	301W126	C-R	7044NA	302G128	C-R	6547
301SA522	CLARK	416239!	301SK262	B-L-H	455584	301Z128	C-R	473239	302G22	C-R	6954S
301SA650	B-L-H	455019!	301SK347	B-L-H	415991	301Z2	C-R	472397!	30300S	SPG	472394
301SA822	B-L-H	J1136	301SK347	B-L-H	455146!	302	UNIVE	417171!	30301	SPG	472397!
301SB162	B-L-H	417602!	301SK347	CLARK	415991	302002426	WHITE	472164!	303026477	WHITE	416229
301SB175	B-L-H	416891!	301SK347	CLARK	455146!	302002442	WHITE	473237!	303067785	WHITE	416404!
301SB175	CLARK	416891!	301SK477	B-L-H	417512	302002698	WHITE	472164!	303076520	WHITE	472179
301SB262	B-L-H	476470	301SK522	B-L-H	417601	30201	GARLK	471466!	303078124	WHITE	472439
301SB347	B-L-H	417567	301SK522	CLARK	417601	302012	CLARK	471442!	30308	NATL	410308
301SB347	CLARK	417567	301SK650	B-L-H	416476!	3020182	CUMMI	39705	3030OS	JN-MN	473236!
301SB477	B-L-H	472924!	301SK650	CLARK	416476!	3020183	CUMMI	415937	303104478	WHITE	471737
301SB485	B-L-H	340927	301SL162	B-L-H	417600	3020184	CUMMI	39723	303113221	WHITE	240733
301SB485	CLARK	340927	301SL175	B-L-H	416229	3020185	CUMMI	472409	303119351	WHITE	471652!
301SC162	B-L-H	417158!	301SL175	CLARK	416229	3020187	CUMMI	472409	303119351	WHITE	471652
301SC175	B-L-H	415027	301SL262	B-L-H	416125!	3020188	CUMMI	50569	303131173	WHITE	471272
301SC175	B-L-H	415027!	301SL262	CLARK	416125!	3020190	CUMMI	50568	303134008	WHITE	417254
301SC175	CLARK	415027	301SL347	B-L-H	473460	3020191	CUMMI	39723	3031445	CUMMI	39867
301SC175	CLARK	415027!	301SL477	B-L-H	471413	3020546	CUMMI	417621	3031446	CUMMI	39875
301SC262	B-L-H	415867	301SL522	B-L-H	417549!	3020547	CUMMI	39817	30318	STN-S	470954
301SC347	B-L-H	471766!	301SM175	B-L-H	415124	30208	CHERY	471765!	303189	REX	470625!
301SC477	B-L-H	415023	301SM175	CLARK	415124	302088	CLARK	471413	3031A	DURA	471231!
301SC485	B-L-H	340787	301SM262	B-L-H	412473!	30210538	ALLCH	471224!	3031AA	DURA	473236!
301SC485	CLARK	340787	301SM347	B-L-H	417596	30210652	ALLCH	417344=	3031BB	DURA	471267!
301SC522	B-L-H	415187	301SM477	B-L-H	471424!	30213	GARLK	471264!	3031D	DURA	450039
301SC541	B-L-H	416288!	301SM522	CLARK	417605	3022	PEERC	472705!	3031F	DURA	471649!
301SC983	CLARK	415725!	301SM650	B-L-H	417196!	3022043	ALLCH	415960	3031J	DURA	476838!
301SD162	B-L-H	455576!	301SN175	B-L-H	473228	302232R91	IH	472560N	3031K	CASE	471763
301SD162	CLARK	455576!	301SN262	B-L-H	412119!	302238	CLARK	471192	3031K	DURA	471765!
301SD175	B-L-H	416345!	301SN477	B-L-H	457585	30225	GARLK	471255!	3031N	DURA	471766!
301SD175	B-L-H	455033	301SN522	CLARK	417191	302292E	OLIVE	471692!	3031T	CASE	473010
301SD175	CLARK	416345!	301SN522	CLARK	456585	302293E	OLIVE	473231!	3031T	DURA	473234
301SD175	CLARK	455033	301SO522	B-L-H	415187	3022OS	JN-MN	471255!	3031W	CASE	472185!
301SD262	B-L-H	415938	301SP175	B-L-H	416888!	30237	GARLK	471564	3031W	DURA	40071S
301SD347	B-L-H	416339	301SP175	CLARK	416888!	3023867	CUMMI	39825	3031WA	OSHO	415960
301SD347	B-L-H	455031!	301SP262	B-L-H	415196!	302386701	CUMMI	39825	3031Z	DURA	473016!
301SD477	B-L-H	471646!	301SP262	CLARK	415196!	3023OS	JN-MN	471762!	3032012	CUMMI	37586
301SD485	B-L-H	340356	301SP347	B-L-H	472144!	302412	UNIVE	55155=	3032013	CUMMI	37586
301SD485	CLARK	340356	301SP347	CLARK	472144!	302413	MICH	55155=	303217C91	IH	40185
301SE175	B-L-H	415116	301SP650	CLARK	415991	302425	MICH	455015	303223795	WHITE	472636!

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303228738	WHITE	415960	30404	STAR	J1106	304720R1	NAVST	420	30585	PEERC	418028
303228746	WHITE	471138!	304046	PEERC	471765!	304736	JAC	450398	30585	PEERC	455137!
303239	CONTI	470625!	30404SA	TRSCM	415995	304736	JAC	471267!	305902	GW	472439
303251	REX	417210!	30404TA	TRSCM	415995!	3047402	CALI	415577	30591	C-R	455734=
303262	REX	473237!	3040805M1	MASSE	417349!	30477	NAPCO	473228!	30592	C-R	455734=
303283844	WHITE	471224!	30409239	ALLCH	471341!	3047701	CALI	415295	305925	AMC	9613S
303291251	WHITE	443527*=	3040D	GOODM	416339	3047900	CALI	415960!	305926	GW	472157!
303291278	WHITE	471272	3040D	GOODM	455031!	3047901	CALI	415960!	305926	GW	472157
3032SR	OSHKO	473215!	3040F	GOODM	416339	304808XX	TIMKE	30X48X8	305FF28	C-R	473473
303302466	WHITE	417344=	3040F	GOODM	455031!	304816C91	IH	416921!	305FM24	C-R	410308!*
303331849	WHITE	471272=	30413	GW	471750!	304831R91	IH	323138!	305M215-L	C-R	350942
303341186	WHITE	415085!	30414	GW	471747!	304832R91	IH	323138!	305VB7	MARI	415023
303349691	WHITE	415559	30420007	TROS	473463	30487342	ALLCH	417316=	306	UNIVE	417354!
303353C91	IH	473243	30420408	TROS	450307	30488	GARLK	471643!	3060	C-R	240698
303359425	WHITE	417509	304207XX	TIMKE	30X42X7	30488357	ALLCH	410737!	306120	C-R	450335
303360	O-M	420	30420808	TROS	410308!	3048ALA83	IH	471192	306122	BUC-E	470086
30338461	ALLCH	471442!	30420811	TROS	410308	3048P-ALA-100	IH	470954!	306122	C-R	470086
30341	CHERY	415001!	30420812	TROS	410308!	3048P-ALA-63	IH	472164!	306124	C-R	473313
303420280	WHITE	476389=	30421208	TROS	473471	3049464	CUMMI	39869	306124	HU-WR	473313
30346	CHERY	471785!	30421607	TROS	473473	3049467	CUMMI	39865	306124M1	C-R	473313
30348	SPICE	40316S	30421608	TROS	473473	3049468	CUMMI	39861	306128	C-R	473457!
30348536	ALLCH	471224!	30424SA	TRSCM	417487!	3049485	GM	35342	306128M1	C-R	473457!
30348833	ALLCH	470530	30427	GARLK	470954!	304967	WHITE	5751	306130	BUC-E	473461!
30349583	ALLCH	415984!	3042826	ALLCH	8907	304981	JAC	471652	306130	C-R	473461!
30349591	ALLCH	412119!	30431100	ALLCH	417967!	304986	WHITE	473215!	306130M1	C-R	473461!
30350	C-R	55276=	304350	ALLCH	470954	304B23109	TROS	5957S	3061H	SPG	3061H
30350839	ALLCH	472636	3044	C-R	340826	304N2	WHITE	473462	3061HC	SPG	3061H
30350847	ALLCH	415104N=	304400	MICH	416404!	304VB7	MARI	417487	3061VG0	SPG	3061V
30352S	SPG	472164!	304400	UNIVE	416404!*	3050	C-R	240698	3062	BUC-E	473463
30359	SPG	473448	304407XX	TIMKE	30X44X7	305007XX	TIMKE	30X50X7	3062	C-R	473463
3036	C-R	8X14X4!	304412	UNIVE	417621!	305008XX	TIMKE	30X50X8	306207XX	TIMKE	30X62X7
3036	C-R	8X14X5!*	304413	MICH	417621!	3050TA	OSHKO	5751	306212	C-R	473474
30360	C-R	355669	304418C91	IH	3016	3051	FMS	3051N	306212M1	C-R	473474
30360	CHERY	471750!	304418C91	IH	456052	3051	PEERC	450129	30622	C-R	450307
303600686	REX	473179!	304424	UNIVE	416288!	3051	PEERC	472826!	30622M1	C-R	450307
30367	SPICE	7245	304425	MICH	416288!	3051	TIMKE	3051	30624	C-R	410308!
30367	VIC	7245	304437	UNIVE	417171!	305110	O-M	474278!	30624M1	C-R	410308!
303723R91	IH	415458=	304438	MICH	417171!	305110	O-M	6859S	30628	C-R	473473*
30373TA	TRSCM	417349	30444095	ALLCH	471224!	305115	JAC	450557	30628K	CLARK	473473
30373VTB	TRSCM	476023N	304445	GW	5711	305115	JAC	471255!	30628M1	C-R	473473*
30374TA	TRSCM	417349!	304446	EATON	370119A	3051237	ALLCH	415991	3062900	CALI	416167!
30376107	ALLCH	471649!	304450	GW	415991	3051237	ALLCH	415991!	3062M1	C-R	473463
30377444	ALLCH	471692=	304450	GW	455146!	305128R91	IH	471570!	3063	SNFLW	204035
30378	WHITE	5951	304450	UNIVE	417172*	305132-C92	IH	HU028A	306335R91	IH	470625!
303783	WHITE	5951	304451	GW	416167!	305133-C1	IH	730001	306336R91	IH	470625!
30379	VERSA	370119A	304452	GW	470954	305149	O-M	481443!	306346R91	IH	441130
3037969	ALLCH	417487!	30446	GARLK	471554!	30519	SPG	471271!	306392	Y-T	473467!
3037969	ALLCH	417487	30448	GARLK	471643!	3051N	TIMKE	3051N	306424	UNIVE	456105
30379812	ALLCH	471272	304499	UNIVE	415021*	305207A	HARWA	30X52X7	306425	MICH	456105
30379903	ALLCH	473238=	304500	MICH	415021	305207XX	TIMKE	30X52X7	306437	UNIVE	417490
3037T2	WHITE	240733	3045043	ALLCH	45187S	305268	GW	254287	306438	MICH	417490
30386759	ALLCH	473231!	304505XX	TIMKE	30X45X5	305269	WHITE	416288	306449	UNIVE	455336*
30389	SPG	472492!	304508XX	TIMKE	30X45X8	30531	DIVCO	6547	306450	MICH	455336*
3038997	CUMMI	471795=	3045101	IG-RA	415995!	305366	GW	416476!	30648	C-R	55141
3038998	CUMMI	472758V	304525	MICH	415394*	305387-C1	IH	415072	306500	MICH	455022
3038999	CUMMI	471267	30454SA	TRSCM	415088!	3054	TIMKE	417360	30652	C-R	55141
3038D	GOODM	415379	30454TA	TRSCM	415088	305439	JAC	481073	30653	C-R	415088!
3038D	GOODM	415379!	30458	GARLK	471567!	30544	PEERC	417604	30653	C-R	415088
3039	PEERC	450033	304607XX	TIMKE	30X46X7	3054HCR	SPG	417360	3066	PEERC	450039
30394	SPG	473227!	3046311	SPICE	471272!	30550	C-R	55155=	30662	SPICE	417480!
303HS210-L	C-R	5585	304632	SPICE	473214	30551	C-R	55155=	30666S	SPG	450666
303VB7	MARI	415995!	304632C91	IH	472705!	305510XX	TIMKE	30X55X10	3067100	CALI	55103S
304	UNIVE	418028	304633	SPICE	471272!	305608XX	TIMKE	30X56X8	306711	AMC	471504!
304	UNIVE	455137!	304634	SPICE	471466!	3056401	CALI	415219	30678	GARLK	471267!
30400543	ALLCH	470565!	304636	SPICE	470954	3056501	CALI	416154!	3067OS	JN-MN	474264
3040062	ALLCH	415327	304636-2	SPICE	470954!	30565360	ALLCH	2505	306804	AMC	473211!
30400626	ALLCH	415327	304637	SPICE	471272!	3056803	CALI	415036	30684	AMC	471255!
304007XX	TIMKE	30X40X7	304638	SPICE	8421S	3057	PEERC	471137	30684	GMC	471267!
30401194	ALLCH	415551	30468	CHERY	411253!	30571	C-R	55155=	30687	GARLK	471570!
304026	JA-MI	417316!	304707XX	TIMKE	30X47X7	30574	CASE	40494S	3068800	CALI	416008
304026	JAE	417316!	3047201	CALI	455330!	305834	GW	472409!	30693	C-R	455020
30402VH	TRSCM	45013S	3047209R1	NAVST	420	305845	GW	416865!	306994	AMC	42763

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306AHS28-L C-R	473473	307824R91 IH	470565=	3091 C-R	50883=	30X50X8TC TRSCM	30X50X8
306FF22 C-R	450307	307882R91 IH	441130	309128R91 IH	441130	30X52X7 FORSH	30X52X7
306FF28 C-R	473473*	307968R91 IH	412920!	3092 C-R	8X22X7V	30X52X7 SIMRT	30X52X7
306FF2L C-R	5113	307975 WHITE	5M867	309209 AMC	471504!	30X52X7SC TRSCM	30X52X7
306FF2L C-R	7721!	307VB7 MARI	55028	309254C91 IH	415035	30X52X7TC TRSCM	30X52X7
306J OSHKO	472185!	308 UNIVE	415437	30927 IDEAL	35127	30X55X10SC TRSCM	30X55X10
306LC22-M1 C-R	450307	308 UNIVE	415437!	30928 CARQU	25598	30X55X10TC TRSCM	30X55X10
306N24 C-R	410308	308-0836 STEM	370001A	30929 CARQU	35327	30X55X7BS ISP	30X55X7
306R219 C-R	5957S	308-0853 STEM	370124A	309323-C91 IH	370023A	30X56X8SC TRSCM	30X56X8
306R219-Y12 C-R	5957S	308-0856 STEM	370131A	30932D IH	473238	30X56X8TC TRSCM	30X56X8
306VB7 MARI	415027	308-0863 STEM	370132A	309372 JAC	240733	30X62X7SC TRSCM	30X62X7
306VB7 MARI	415027!	308-0864 STEM	380048A	3094 C-R	712022	30X62X7TC TRSCM	30X62X7
306W120 C-R	450335	308070 JAC	471539!	309457 AMC	473234	30X72X10SC TRSCM	30X72X10
306W122 C-R	470086	308079 JAC	471539!	3095 TIMKE	3095	30X72X10TC TRSCM	30X72X10
306W124 C-R	473313	308160 ACF	474281!	3095278 CUMMI	100352	30X72X7BS ISP	30X72X7
306W124-M1 C-R	473313	308160 H-S	474281!	3095349 CUMMI	100196	31-2634100 WHITE	J1127
306W128 C-R	473457!	30816008 TROS	471391!	309612 H-S	470059	310 UNIVE	417355!
306W130 C-R	473461!	30820008 TROS	473242	309612 H-S	470380!	310-1034+320-2216 STEM	370011A
306W2 C-R	473463	30820807 TROS	472016	3096478 CUMMI	100253	310-1079+320-2009 STEM	370173A
306W2-M1 C-R	473463	30820808 TROS	472016	3096479 CUMMI	100254	310-1117 STEM	AR22
306W22 C-R	450307	308214 GWI	55301S	3096480 CUMMI	100252	3100 C-R	350364
306W22-M1 C-R	450307	30821608 TROS	471138!	309737 AMC	471787	3100 TIMKE	3100
306W24 C-R	410308!	30822408 TROS	470565!	309745 H-S	471554!	31004 GARLK	471224!
306W24-M1 C-R	410308!	308277 AMC	471984	309781 JAC	471554!	310099 HYST	204029
306W28 C-R	473473*	3083 TIMKE	3083	3098 CALSO	473227!	310099 HYST	204507!
307-0713 STEM	370036A	30839 SEAMA	415371	30981 CARQU	421	3101 C-R	712021
307-0713 STEM	370349A	308405R1 IH	335924N	309823C91 IH	415958!	3101030 STEM	AR8
307-0723 STEM	370065A	308412 UNIVE	455566	309823C91 IH	415958	3101059 STEM	AR11
307-0723 STEM	376590A	308424 UNIVE	476470	30983 CARQU	427RR	310131 H-S	416921!
307-0743 STEM	386025A	308425 MICH	476470	30985 IDEAL	35533	310195 FORD	710409
307-0743 STEM	416158	308437 UNIVE	417181!	30986 CARQU	35315	31020 GARLK	471649!
307-0744 STEM	370037A	308438 MICH	417181!	30987 CARQU	35292	31020008 TROS	412725
307-0744 STEM	370338A	308449 UNIVE	418028	30989 CARQU	35011	31020404 TROS	5756
307024 AMC	5778	308449 UNIVE	455137!	3098SK SPG	3098=	31021805.75 TROS	204035
30705 GARLK	471633!	308450 MICH	418028	3099 PEERC	471764!	31023004.5 TROS	40337S
307073C91 IH	471267!	308450 MICH	455137!	30991 CARQU	35315	31023204 TROS	473476
30700S JN-MN	411394!	3084879 CUMMI	39821	3099421 CUMMI	600389	31023204.5 TROS	40337S
30710 C-R	78X95X10	308499 UNIVE	415023	3099421 SPG	100199	3102609 WHITE	730016
307109 JAC	472319	30849D IH	415991	309VB7 MARI	416345!	31028 GARLK	471689!
307121 GWI	471267!	30849D IH	455146!	309VB7 MARI	455033	3103 NATL	3095
30715 CARQU	25598	308500 MICH	415023	30A1635 MINNM	480630!	3103 TIMKE	3103
30715 GARLK	471646!	308510 JAC	470954!	30A1680 MINNM	471276	3103341 WHITE	100495
30715608 TROS	7216	308548 AMC	471787	30A2783 MINNM	203013	3103341 WHITE	417349
3071643 CUMMI	934023	3086279 CUMMI	100154	30A2801 MINNM	40301S	3103513 WHITE	730003
30720 CARQU	35094	308677R93 IH	5364=	30A514 MINNM	481792	3103514 WHITE	370047A
307210XX TIMKE	30X72X10	3087 TIMKE	3087	30A515 MINNM	470712!	31040 GARLK	471733
307239 O-M	425RR	308719 JAC	471224!	30P514 MINNM	471835!	3104085 WHITE	415991
30725 C-R	78X100X10	308731 JAC	472311!	30PS462 C-P	416476!	3104085 WHITE	415991!
30725 CARQU	35316	3088 C-R	8X22X7V	30T811 CLARK	410059	310413SL MICH	455500
3072V SPG	471281	308811 JAC	471571	30T811 CLARK	470380!	310424 UNIVE	416292
30730 GARLK	470590	308986 ACF	470530!	30X40X7SB TRSCM	1129	310425 MICH	416292
30737S SPG	410737!	308B14408 TROS	470687	30X40X7SB TRSCM	30X40X7!	310437 UNIVE	417491
30730S JN-MN	410737!	308VB7 MARI	416339	30X40X7SC TRSCM	30X40X7!	310438 MICH	417491
30740 C-R	78X105X10	308VB7 MARI	455031!	30X40X7TC TRSCM	30X40X7!	310449 UNIVE	415085!
30740 CARQU	35315	309-0903 STEM	416892	30X42X7SC TRSCM	30X42X7!	310449 UNIVE	456648
3074482 CUMMI	471795=	309-0904 STEM	415058	30X42X7TC TRSCM	30X42X7!	310450 MICH	415085!
3074BA SPG	471466	309-0912 STEM	370023A	30X44X7SC TRSCM	30X44X7!	310450 MICH	456648
3074V SPG	471466	309-0935 STEM	370047A	30X44X7TC TRSCM	30X44X7!	3104650 ALLCH	J1105
307557 GWI	471766!	309-0957 STEM	417506	30X45X5SC TRSCM	30X45X5!	3104651 ALLCH	473238
3075BA3 SPG	470954=	309-0960 STEM	370005A	30X45X5TC TRSCM	30X45X5!	3104652 ALLCH	473238
30760 C-R	78X110X10	309-0961 STEM	370030A	30X45X8SC TRSCM	30X45X8!	310500 MICH	455024
307615 WHITE	473215!	309-0964 STEM	370021A	30X45X8TC TRSCM	30X45X8!	310507R91 IH	470565=
3076203 CUMMI	100518	309-0965 STEM	370019A	30X46X7SC TRSCM	30X46X7!	310508R91 IH	473467=
30769 CARQU	35486	309-0970 STEM	370006A	30X46X7TC TRSCM	30X46X7!	310509R91 IH	415995!
3077 C-R	220818	309-0973 STEM	370003A	30X47X7SC TRSCM	30X47X7	310510R91 IH	417344
3077 C-R	8X18X5	3090 C-R	50883=	30X47X7TC TRSCM	30X47X7	310511R91 IH	412473
3077 C-R	8X18X7!	309007 H-S	450593!	30X47X8TC TRSCM	223020	310512R91 IH	415449=
30770 C-R	78X115X10	309013 FREIG	416339	30X48X8SC TRSCM	30X48X8	310514R91 IH	38939V!
30771 C-R	710090	309013 FREIG	455031!	30X48X8TC TRSCM	30X48X8	310514R91 IH	415379!
30772 C-R	710106	3090915 STEM	417505	30X50X7SC TRSCM	30X50X7	310515R91 IH	415458
307739 AMC	410059	3090948 STEM	370069A	30X50X7TC TRSCM	30X50X7	310516R91 IH	415437
307739 AMC	470380!	3090948 STEM	380069A	30X50X8SC TRSCM	30X50X8	310517R91 IH	455040N=

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
310518R91 IH		455685N=	311405641 VW		38X52X8.5!	31207 AM WH		473229	312463 MICH		417354!
310522R91 IH		473467=	31141 C-R		416404!	31207 C-R		416288!*	312469 MICH		455249!
3105234 AMC		471141!	31142 SPICE		442380	3120RB SPG		3120N=	31247 C-R		417621
310523R91 IH		415995!	311421 SPICE		442380	3121 C-R		350364*	3124732 AMC		6760S
310524R91 IH		417344	311422 SPICE		442380	312119 ALLCH		40438S	312499 UNIVE		417191
310525R91 IH		412473!	31144 C-R		2260	31213 C-R		416288	312499 UNIVE		455165!
310526R91 IH		415449=	31145 C-R		416404!*	31213207 TROS		450540	3124S SPG		3124=
310528R91 IH		415379=	31146 C-R		416404=	31214 VICK		417040	3125 C-R		350364
310529R91 IH		415458=	31147 C-R		416404!	312140 TIMKE		312140	31250 C-R		417171!*
310531R91 IH		455040N=	3114778 AMC		9613S	31214807.5 TROS		470088	312500 MICH		415025
310532R91 IH		455685N=	31148 C-R		416404!*	31215 C-R		416288	312518 TIMKE		312518
3105459 AMC		471344	31149 EATON		370019A	31215607.5 TROS		473458!	31252 C-R		417171!
310550R91 IH		417357	31149 EATON		415060	31216007 TROS		473462	31253 C-R		417171!
310550R91 IH		455192!	31149 EATON		455060	31216007.5 TROS		473462	31255 C-R		417171!
310599 O-M		471571	311493 AMC		340771	312196 TIMKE		312196	31257 C-R		417171!
310622 JAC		471267!	31152 C-R		416404=	31220007 TROS		473464	312580 H-S		473446
310625 ACF		470334!	311531 H-S		481073	31220007 TROS		473464!	31262 GARLK		471795
310625 H-S		470334!	31158 C-R		6754S=	31220007.5 TROS		473464	31269 C-R		417172*
310625 JAC		476838!	3116 TIMKE		473215	31220407 TROS		416738!	3126S SPG		3126=
3106297 WHITE		730026	311616 AMC		471827	31220407 TROS		450096	31270 C-R		417172
3106298 WHITE		HU012A	31162 MICH		471648	31220806 TROS		472409!	31270 SPICE		416273!
3106480 AMC		471619!	31162 UNIVE		471648	31220807 TROS		472409!	31271 C-R		417172
3106565 WHITE		472164!	31163 C-R		417621!	31220807.5 TROS		472409!	31274 C-R		417172
3108127 WHITE		471466=	31164 C-R		417621!	31221 C-R		416288!	31275 C-R		417172
310841 TIMKE		310841	3116442 AMC		470954	31221007.5 TROS		450621	31276 C-R		417172*
3108650-R91 IH		473238	31165 C-R		417621!	31221207 TROS		470354	31278 C-R		417172
3108OS JN-MN		474264	311653330 WHITE		416664!	31221207.5 TROS		470354	31279 C-R		417172
3109130 AMC		6074	31166 C-R		417621!	31221211 TROS		6636S	31281 C-R		417172
310921 ACF		472924!	31168 C-R		5578	31221607 TROS		410737!	3128171 AMC		6855N=
310921 H-S		472924!	3116N TIMKE		473215	31221608 TROS		410737!	31284 C-R		6644
310946R91 IH		476470	31170 C-R		417621!	31221611.5C TROS		410737!	31288 C-R		5751
310946R91 IH		476470!	311706560 WHITE		415725!	31222 C-R		416288!	31292 C-R		6603=
310971 H-S		411253!	311717 H-S		412943	31223204 TROS		472029	3129318 AMC		474255
310978 VICK		471649!	311718 H-S		471820	312237 ACF		473215!	3129320 AMC		472560N
310B20808 TROS		8243	31172 C-R		5578	312237 H-S		473215!	31299 C-R		416297
310C204065 TROS		200110	311721 AMC		470898	312238 ACF		470950!	312C116 C-R		210914
310D20404 TROS		5756	31173 C-R		417621*	312238 ACF		6241S	312VB7 MARI		417191
310D20604 TROS		40973S	31175 C-R		370145A	312238 H-S		470950!	312VB7 MARI		455165!
310E21805.75 TROS		493291	31175 MICH		471688	312238 H-S		6241S	312W475 CONE		5518
310G15604 TROS		6808N	31175 UNIVE		471688	31224 GARLK		471413!	31301 C-R		416297
310H13604 TROS		5778	31176 C-R		417621!	31227 C-R		416288!*	31302 HYST		470625!
310VB7 MARI		415034!	31177 C-R		417621!	312276 WHITE		473467!	313046 ACF		471553!
311-405-641A VW		1165	31178 C-R		417621!	31228 C-R		416288!*	313046 H-S		471553!
311-405-641B VW		1195	31179 C-R		417621!*	31228D IH		415371	31307 C-R		370046A
311035 WOOL		416891!	31182 UNIVE		450040	31229 C-R		416288!	31307 C-R		5100
31105D IH		412473!	311825 H-S		471472!	31231 C-R		416288!	313096 JAC		473454
31106D IH		481864	31183 MICH		450040	31232 GARLK		471737	3130C MINNM		417344!
31108D IH		470059	311837 ACF		50010	31233 C-R		416288!	313100R91 IH		415021
31108D IH		470380!	311837 H-S		50010	31234 HYST		410102	313112 C-R		450516
3110A ROCKW		410059	31185 C-R		39817	3123416 AMC		240698	31311F DIA		471689!
3110A ROCKW		470380!	31185 C-R		417621	31235 HYST		412920!	313122 C-R		470687
3111035 WOOL		416888!	311865 Y-T		416654!	312356 FORD		473228	313128 C-R		473240!
31113 GARLK		471652	31189 C-R		417621!	3123576 AMC		470625!	313130 C-R		471391!
311132 CATER		40085S	31190 C-R		417621!	3123587 AMC		472572!	313130M1 C-R		471391!
31117 GARLK		471692!	31191 C-R		417621!	3123667 AMC		340797	313156 TIMKE		313156
31118 GARLK		471692!	31193 C-R		417621!	3123668 AMC		340797	31316 C-R		416024*
311189 TIMKE		311189	31195 C-R		417621!	31237 C-R		416287V=	3131C MINNM		413469!
31119D IH		415984!	31196 C-R		417621!	31238 C-R		416288!	3132 C-R		473242
31125 C-R		45825S	31197 C-R		417621!	31239 C-R		416288!	313210 C-R		472150
31128 GARLK		470712!	31198 C-R		417621!	3123SK SPG		3123=	313210M1 C-R		472150
31129 C-R		45825S	31199 C-R		417621!	312424 UNIVE		416294!	313212 C-R		470565!
3112948 AMC		240151	311994R91 IH		471224!	312437 UNIVE		412473!	313212M1 C-R		470565!
31130 C-R		228005	311VB7 MARI		415088	312438 MICH		412473!	313214 C-R		471887
3113029 AMC		470712!	311VB7 MARI		415088!	312438ISL MICH		412473!	31322 C-R		450311
31133 C-R		416288!	312 UNIVE		416339	31244 C-R		AR5+370014A	31322M1 C-R		450311
31138 C-R		416404!	312 UNIVE		455031!	312450 MICH		417191	31324 C-R		472016
31138 GARLK		471763	3120 C-R		350364*	312450 MICH		456585	31324 GR-DV		472016
3113831 AMC		471344	31200 C-R		417621!	312450990 WHITE		417134	313240 H-S		415458!
31139 C-R		416404!	31202 C-R		8976S	31246 GARLK		471766!	313245 FORD		472572!
31140 C-R		416404!	31203 C-R		8976S*	312460C91 IH		410686N	313249 H-S		415995!
31140 GARLK		471763	31205 GEM		240151	312462 UNIVE		417354!	31324M1 C-R		472016
311405641 VW		1174	31206 C-R		417621	312462V UNIVE		417354!*	31324S FORD		472572!

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31326 C-R		472020	313W130 C-R		471391!	314VB7 MARI		415394	31575B HYST		473467
313262 LEROI		415960	313W130-M1 C-R		471391!	3150 C-R		8X22X7!	31576 GARLK		473231!
31326M1 C-R		472020	313W2 C-R		473242	315019 H-S		471747!	3158 NORDG		472179
31328 C-R		471138!	313W2-M1 C-R		473242	3150254 AMC		473317	3158482 AMC		473234
31328 GEHL		471138!	313W210 C-R		472150	31504 C-R		710103	31585 C-R		80X140X12
31328M1 C-R		471138!	313W212 C-R		470565!	3150548 AMC		7686S	3158703 AMC		470059
313290 SPG		43290S	313W212-M1 C-R		470565!	31506 C-R		228005	3158703 AMC		470380!
3132M1 C-R		473242	313W214 C-R		471887*	3150677 AMC		473234!	315872 JAC		340815
31330 SPICE		471192	313W22 C-R		450311	31507 C-R		228008	3159 NORDG		472193!
31330 VIC		471192	313W22-M1 C-R		450311	31508 HYST		417538	31590 GARLK		473010!
31333 C-R		415021*	313W24 C-R		472016	3150815 AMC		6952S=	315945 JAC		6357S
3134 PEERC		471192	313W24-M1 C-R		472016	3150858 AMC		240816	315967 JAC		415995!
31340 C-R		415021	313W26 C-R		472020	31509 C-R		228011	31598 GARLK		473232!
3134093 AMC		472572!	313W28 C-R		471138!	31509 C-R		228015	31599 CALI		291148=
31341 C-R		415021	313W28-M1 C-R		471138!	31509 C-R		80X100X10V!	315FF23-L C-R		8243
31343 HYST		415138!	314 UNIVE		415697!	31510 C-R		228009	315G130 C-R		40526S
31344 C-R		415021	314 UNIVE		455547	31510 C-R		228012	315G23 C-R		40973S
3134500 CALI		455019!	3140 C-R		350364	31510 C-R		80X100X10!	315VB7 MARI		417181!
31348 GARLK		472258!	3140380 AMC		472572!	3151007 AMC		473459	31600 CALI		295113=
31353 C-R		415394*	3140D GOODM		416345!	31511 C-R		228015	3161025 CUMMI		5742
31355 C-R		415394*	3140D GOODM		455033	31512 C-R		228012!	316124L C-R		6818
31359 C-R		415394*	3141 C-R		712021	31512 C-R		80X100X10!	316128L C-R		6808N
31360 GARLK		471192	31415TA TRSCM		471621	31513 C-R		228010	31615608 TROS		451078!
31361 C-R		7896S	314172KB TRSCM		8976S	31513 C-R		80X100X10!	31615608C TROS		451078!
31362 C-R		9600S	3142044 AMC		6952S=	31515 C-R		228020	3161742 CUMMI		600211
31364 C-R		5405	31424TA TRSCM		416288!	31515 C-R		80X105X10	3161772 CUMMI		5728
31368 GARLK		473214!	314259 TIMKE		314259	31515 C-R		80X105X13!*	3161772 CUMMI		600211
3136881R91 IH		2260	314267N TIMKE		314267N	31516 C-R		228009	31621008 TROS		450869
3136881R92 IH		2260	3143382 CLARK		415447	31516 C-R		228011	31621208 TROS		473245!
31369 C-R		5410	31435 VICK		415146!	31516 C-R		80X100X10V!	31621604 TROS		40316S
3136N TIMKE		3136N	31435 VICK		415991	31517 C-R		228020	31621608 TROS		472636!
31370 GARLK		473214!	3143C MINNM		471750!	31517 C-R		80X105X12V!	31621610 TROS		472636!
313734 FORD		473215!	3143N TIMKE		3143N	31517 C-R		80X105X13!*	31622008 TROS		411394!
31374 C-R		5452	3143RAR SPG		3143N	31519 C-R		80X105X13!*	31622408 TROS		413246
313756 H-S		471549!	314408XX TIMKE		31X44X8	31520 C-R		80X110X12	31623204 TROS		442380
313757 H-S		471750!	314425SL MICH		418029!	31521 C-R		80X105X13!	31623206 TROS		471271!
313777 JAC		481537	314449 UNIVE		417492*	31524 C-R		80X100X10V	31623208 TROS		471271!
31378 C-R		5406	314450 MICH		417492	31525 C-R		228030	31624007 TROS		451143
31378 C-R		6481S\$	314462 UNIVE		417493	31525 C-R		80X110X10!	31634 WAYNE		471733
31378 GARLK		473215!	314463 MICH		417493	31525 CASE		5865	31637-4 SPICE		J1130
3138 PEERC		470950!	3144651 AMC		471195!	31526 C-R		80X110X10V	31640 C-R		456799=
3138 PEERC		6241S	3144651 WILYS		471195!	3153 FR-HT		471795	316405 OMC		17760
3138143 AMC		470774!	3145 C-R		220860	3153 PEERC		473228	3164335 AMC		473445
313820R91 IH		473447	3145 C-R		8X16X7!	31530 C-R		228030	3164335 Y-T		473445
31384 CASE		340900	314500 MICH		455026	31530 C-R		80X110X12!	316437 UNIVE		416624!
313842 TIMKE		313842	31454 GARLK		473227!	31531 C-R		80X110X10V	316449 UNIVE		415991
31385 C-R		5185	31455TA TRSCM		417172	31531 SPICE		410987!	316449 UNIVE		455146!
313856R91 IH		450048	3145CA SPG		3145	3153482 AMC		473234!	316450 MICH		415991
3138701R91 IH		2261	3145CAR SPG		5124	31536 C-R		80X115X12*	316450 MICH		455146!
313886 JAC		471466!	31462 GARLK		470625!	3153825 AMC		473452	316462 UNIVE		417196!
31390 C-R		5313	31464 GARLK		470625!	31540 C-R		80X120X10!	316463 MICH		417196!
313903R91 IH		415227=	314658 CHRYS		473464!	31540 C-R		80X120X13	31646314 SPICE		415458=
313912R91 IH		415449=	314658 CHRYS		473464	3154112 AMC		311189	31646314-2 SPICE		415458=
313912R92 IH		415449=	31472 GARLK		470380!	31545 C-R		80X120X13	316475 MICH		415437
313913R91 IH		415995=	314745 Y-T		415035!	315459 H-S		413469!	316475 MICH		415437!
313913R92 IH		415995=	314745 Y-T		415035	31546 C-R		80X120X13!	316475 UNIVE		415437
313914R91 IH		417354!	31475 EATON		415697!	315465 TW-CO		6638S	316475 UNIVE		415437!
313914R92 IH		417354!	31475 EATON		455547	3155 C-R		8X24X7	316487 UNIVE		417198
313915R91 IH		415379=	314755-C91 IH		HU066A	31550 C-R		55386	316499 UNIVE		415027
313915R92 IH		415379=	3148004 AMC		473234!	3155002 AMC		321460	316500 MICH		415027!
31392 C-R		6897=	3148051 GM		411	3155002 WILYS		321460	316500 MICH		415027
31393 C-R		5494	3148513 AMC		340356	31551 C-R		80X125X12*	316524 WHITE		472185!
313936 H-S		473448	31490 C-R		710080	3155168 AMC		410059	3166233 AMC		8429S
313943R91 IH		455282N=	31492 GARLK		473228!	3155168 AMC		470380!	316675 ACF		481644
3139OS JN-MN		450307*	314923 WHITE		473010	31554 SPICE		473228!	316675 H-S		481644
313BM212-L C-R		470565!	314924 H-S		473427	31554 VIC		473228!	3167833 AMC		8549S
313CH212 C-R		470565!	31494SA TRSCM		455022	3156012 AMC		473317	316785 WHITE		41075S
313F130 C-R		471391!	314963 CHRYS		473447	31565 C-R		80X130X12	316785A WHITE		41075S
313VB7 MARI		415995!	31498 GARLK		473228!	31566 GARLK		473230!	31690 GARLK		473237!
313W112 C-R		450516	314FF128 C-R		5246	31575 C-R		80X135X12	3169D5 WHITE		410308
313W122 C-R		470687	314FF22 C-R		5756	31575 HYST		472015!	316A23206C TROS		7018N=
313W128 C-R		473240!	314G126 C-R		40337S	3157506 AMC		411	316FF29 C-R		205035

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
316G29 C-R		493291	31809 CLARK		473447	319130K IH		473462	319W-214-46 LK-BT		471567!
316VB7 MARI		415027!	3181 NORDG		417492	319130M1 C-R		473462	319W-215-19 LK-BT		471649!
316VB7 MARI		415027	31814 GARLK		472572!	31917625 FMC		455026	319W-217-67 LK-BT		470334!
316W118 C-R		5778	3182 PEERC		474265	31917665 FMC		415995!	319W-218-75 LK-BT		472016
317-1705+327-2718 STEM		415058	318243 WHITE		455151	3192 C-R		473464!	319W-219-19 LK-BT		471272!
317-1721+327-2721 STEM		370132A	31825 C-R		417490*	3192 C-R		473464	319W-219-55 LK-BT		415449!
317-1756+327-2756 STEM		370023A	31826 GARLK		473238!	319212 C-R		473475*	319W-219-62 LK-BT		415302
317-1756+327-2756 STEM		380023A	31827 CATER		417349!	319212M1 C-R		473475*	319W-220-14 LK-BT		416921!
317-1790+327-2741 STEM		370069A	31827 TMTR		417349!	319216 C-R		472029	319W-220-32 LK-BT		417621!
317-1790+327-2741 STEM		380069A	31828 HYST		470088	31922 C-R		416738!	319W-221-40 LK-BT		415146!
31704 GARLK		472164!	31830 C-R		417490	31922 C-R		450096	319W-221-40 LK-BT		415991
3170699 AMC		7686S	31831 C-R		417490	31922 CONTI		416738!	319W-221-52 LK-BT		416557
3170700 AMC		7687S	318360 H-S		471760	31922 CONTI		450096	319W-221-53 LK-BT		415937!
3171 C-R		470195!	31837 SPICE		410825	31922 FAIRB		416738!	319W-221-70 LK-BT		416339
3171 PEERC		471649!	318371 SPICE		410825	31922 FAIRB		450096	319W-222-18 LK-BT		415034!
31714 GARLK		472185!	31838 GARLK		473239!	31922M1 C-R		416738!	319W-222-50 LK-BT		416556!
3172073 WILYS		5111	3183886 AMC		473445	31922M1 C-R		450096	319W-222-50 LK-BT		472157
3172073 WILYS		5111S	3183887 AMC		473459	31924 C-R		472409!	319W-222-64 LK-BT		416380!
317219 H-S		471272!	3183981 AMC		473452	31924M1 C-R		472409!	319W-223-11 LK-BT		415371
317237 WHITE		471224!	3183981 SPICE		473452	31925 C-R		450621*	319W-223-27 LK-BT		416865!
31726 GARLK		472179	318449 UNIVE		415498*	31925M1 C-R		450621*	319W-224-52 LK-BT		416239!
3173 TIMKE		3173	3184494 AMC		471827	31926 C-R		470354*	319W-227-26 LK-BT		471619!
3173098 WILYS		5111	3184500 CALI		415379	31926M1 C-R		470354*	319W-228-22 LK-BT		471818
3173098 WILYS		5111S	318462 UNIVE		415711	31928 C-R		470354	319W-229-7 LK-BT		473214!
3173532 AMC		473317	318463 MICH		415711	31928M1 C-R		410737!*	319W-229-71 LK-BT		473440!
31743 GARLK		471984	318475 MICH		417497	3192K FORD		473464!	319W-230-33 LK-BT		473367
3174533 AMC		471652	318475 UNIVE		417497	3192K FORD		473464	319W-230-4 LK-BT		472299
3174533 AMC		482208!	31848 GARLK		473240!	3192M1 C-R		473464	319W-231-44 LK-BT		413248
31750 GARLK		473313	318487 UNIVE		417498	3192M1 C-R		473464!	319W-231-9 LK-BT		472185!
317510R91 IH		50199S!	318488 MICH		417498	31930 C-R		455022*	319W-232-35 LK-BT		472016!
317510R91 IH		6863S!	318499 UNIVE		55028*	319306 WHITE		240151	319W-232-38 LK-BT		416267!
31753 C-R		3385	318500 H-S		415437	31931 C-R		455022*	319W-232-47 LK-BT		472018
317549R91 IH		412119!	318500 MICH		55028	3193613 AMC		3404!	319W-232-61 LK-BT		471138!
317570R91 IH		415035	318507 AUTOZ		35342	319413 ACF		413246	319W-232-62 LK-BT		472636!
31758 C-R		456105*	318509 AUTOZ		35531	319413 H-S		413246	319W-233-2 LK-BT		470565!
31762 C-R		456105	318512 AUTOZ		35617	3194171 AMC		321460	319W-233-21 LK-BT		415001!
31763 LEECE		450340	31855 C-R		455336*	3194827 AMC		321460	319W-233-39 LK-BT		415458!
31769 LEECE		473414	31858 C-R		455336	3195 TIMKE		3195	319W-233-56 LK-BT		417344!
31770 C-R		456105	31859 C-R		455336	319506C1 IH		370124A	319W-233-6 LK-BT		416271!
31771 C-R		456105	3186 TIMKE		3186	319506C92 IH		370124A	319W-238-38 LK-BT		416267!
317749C92 IH		5065	3186540 AMC		8549S	319527172 FMC		417357	319W-263-49 LK-BT		450039
317807R91 IH		200856	31866 C-R		455336*	319527172 FMC		455192!	319W-276-1 LK-BT		472237=
317847R91 IH		471255!	31867 C-R		455336*	31955 C-R		455022*	319W-276-12 LK-BT		476517
31785 CHERY		471763	318675C91 IH		410308!	31960 C-R		455022	319W-276-3 LK-BT		472239
317879 H-S		472951	318678C91 IH		416271	31960 HYST		471821!	319W-276-4 LK-BT		471379
317879 H-S		474252	31870 C-R		6358	31961 C-R		455022	319W-276-5 LK-BT		476510=
317923 WHITE		473010	31872 C-R		455336*	319635R91 IH		417198=	319W-276-8 LK-BT		476511=
317944R91 IH		417267	31874 C-R		6358	31970 ACF		415991	319W-34-40 LK-BT		471492
317996R91 IH		415035=	318987C91 IH		416271	31970 ACF		455146!	319W-34-5 LK-BT		416654!
317VB7 MARI		417487	318B22 C-R		416738!	31970 HYST		415991	319W-35 LK-BT		415041
3180 PEERC		473234	318B22 C-R		450096	31970 HYST		455146!	319W-355-14 LK-BT		415317
31800 C-R		456105	318W124 C-R		470088*	319785 WHITE		41075S	319W122 C-R		450533*
3180041 AMC		473234!	318W124-M1 C-R		470088*	319812 H-S		471341!	319W124 C-R		470088*
318010 CLARK		417498	318W22 C-R		416738!	3199S TIMKE		3199	319W124-M1 C-R		470088*
318011A CLARK		472179	318W22 C-R		450096	319F2 C-R		473464	319W126 C-R		450090*
318012 CLARK		415449!	318W22-M1 C-R		416738!	319G130 C-R		40094S	319W126-M1 C-R		450090*
318014 CLARK		415995!	318W22-M1 C-R		450096	319HC26-L C-R		3103!	319W128 C-R		473458!*
318018 CLARK		471224	318WL22-M1 C-R		416738!	319N28 C-R		410737!*	319W128-M1 C-R		473458!*
31802 GARLK		472439	318WL22-M1 C-R		450096	319W-112 LK-BT		415294!	319W130 C-R		473462
3180211 AMC		3404!	3190 CR-CF		471553!	319W-112-1 LK-BT		415072	319W17537 FMC		415449!
318026 CLARK		472179	31900 EATON		5951	319W-112-11 LK-BT		416229	319W17625 FMC		455026
318027 CLARK		416891!	319026C11 IH		722250	319W-112-12 LK-BT		415294!	319W2 C-R		473464!
318028 CLARK		412119!	319039 ALLCH		473458!	319W-112-14 LK-BT		417298	319W2 C-R		473464
31803 CLARK		411253!	319122 C-R		450533*	319W-112-20 LK-BT		457874	319W2-M1 C-R		473464
318030 CLARK		450497=	319124 C-R		470088*	319W-112-20 LK-BT		455584	319W2-M1 C-R		473464!
318031 CLARK		456105	319124M1 C-R		470088*	319W-112-5 LK-BT		417562	319W212 C-R		473475*
31804 GARLK		472439	319125 C-R		450089	319W-112-8 LK-BT		417563	319W21446 FMC		471567!
318047C11 IH		712375	319126 C-R		450090	319W-171-1 LK-BT		472237=	319W21531 FMC		471692!
31805 CLARK		473228	319126M1 C-R		450090	319W-171-12 LK-BT		476517	319W21624 FMC		471192
31806 SPICE		482253	319128 C-R		473458!*	319W-171-4 LK-BT		471379	319W21624 LK-BT		471192
31807 CLARK		470682	319128M1 C-R		473458!*	319W-171-5 LK-BT		476510=	319W2175 FMC		473229!
31808 CLARK		472636!	319130 C-R		473462	319W-171-7 LK-BT		476511=	319W21767 FMC		470334!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
319W21875	FMC	472016!	319YM26	C-R	470354	3206691	AMC	5112	321501641A	AUDI	1165
319W21919	FMC	471272!	319Z128	C-R	473458!*	3206691	AMC	5112S	321516	TIMKE	471516
319W21955	FMC	415449!	31A9426	DALMO	472354!	3206691	WILYS	5112	3215360	GMC	471264!
319W21962	FMC	415302	31D3639	BENDI	340797	3206691	WILYS	5112S	321545R91	IH	473239!
319W22	C-R	416738!	31TA154	OSHKO	471887	320678X	SPG	225650	321546R91	IH	471734!
319W22	C-R	450096	31TA397	OSHKO	471341!	3206864	GMC	471472!	321570	SPG	471570!
319W22-M1	C-R	416738!	31X10977	JOHND	340356	320691	TIMKE	320691	32159	GARLK	473204
319W22-M1	C-R	450096	31X12575A	JOHND	416339	32071	GARLK	473242	321593	H-S	471255!
319W2201	FMC	416664!	31X12584A	JOHND	415064	32077	ROSS	323138!	321596R91	IH	471224=
319W22032	FMC	417621!	31X17484A	JOHND	455576!	320834R	SPG	38X74X11	321597R91	IH	471224
319W22033	FMC	416288!	31X44X8SC	TRSCM	31X44X8	320839VD	SPG	224205	321606	H-S	350156
319W22033	LK-BT	416287	31X44X8TC	TRSCM	31X44X8	320840RA	SPG	222025	321606	H-S	473096
319W22033	LK-BT	416288!	320-2009	STEM	370057A	3208474	AMC	473452	321643	NATL	471643!
319W22140	FMC	415146!	320-2034	STEM	370012A	320942	H-S	471192	321649	NATL	471649!
319W22140	FMC	415991	320-2041/1043	RING STEM	370192A	320A23108	TROS	6785	32166	HYST	416239!
319W22152	FMC	416332!	320-6017	STEM	370036A	320C21606	TROS	44052	32167	JOHND	204017
319W22153	FMC	415937!	320-6017	STEM	370349A	320JX216	MACK	415938	32169	LEECE	471760
319W22170	FMC	416339	32001	TRMBL	H075	321-501-641	AUDI	1962	32171	GARLK	470898
319W22218	FMC	415034!	32006	CHERY	472144!	321-501-641	VW	1962	3217590	GMC	455019!
319W22250	FMC	416556!	32006	GARLK	471424!	321-501-641	VW	224052	3217634	GMC	416339
319W22250	FMC	472157	3200636	AMC	480821!	321-501-641E	VW	1962	3217634	GMC	455031!
319W22264	FMC	416380!	320084	H-S	472636!	3210	TIMKE	3210	321782R93	IH	396412*=
319W2229	FMC	415697!	3202034	GMC	476838!	321009R91	IH	5581=	3217873	GMC	416125!
319W22311	FMC	415371	320211C91	IH	410737!	3210521	GMC	417316!	3217874	GMC	474264
319W22327	FMC	416865!	3202170	AMC	471538	3210522	GMC	455005	32180	WAYNE	472164!
319W22360	FMC	416107!	32022006	TROS	5924	321055	H-S	471747!	32185	HYST	473236!
319W22412	FMC	417362!	32023	GARLK	472492!	3211035	C-W	416229	321852	WHITE	471766!
319W22442	FMC	416229	3202406	GMC	473010	3211035	WOOL	416229	32185A	JOHND	200110
319W22452	FMC	416239!	320249	TIMKE	320249	321109BG	NATL	224045	32186	GARLK	472015!
319W22726	FMC	471619!	320259	TIMKE	320259	3211172	GMC	471224!	32186	HYST	473236!
319W22822	FMC	471818	3202615	EUCLD	471554!	321124SK	SPG	223014	3218686	GMC	415960
319W22971	FMC	473440!	3202615	GMC	471554!	321148R91	IH	5592=	3218769	GMC	470059
319W22980	FMC	471958	3202618	AMC	470954	32115-C0400	HINO	225875	3218769	GMC	470380!
319W23013	FMC	471316	320265	GMC	471554!	321152HA	SPG	1108	32189	LEECE	471192
319W23033	FMC	473367!	320331	H-S	471137	321155RA	SPG	223750	3218904	AMC	2876
319W2304	FMC	472299	3203459	AMC	472560N	321157	SPG	224460	3219176	GMC	417316!
319W23144	FMC	473240!	320348	TIMKE	320348	321165	SPG	224650	32195	GARLK	410308!
319W2319	FMC	472185!	32035	GARLK	472924!	321167R92	IH	415991!	32195	GARLK	473468
319W23235	FMC	472016!	3203580	AMC	6855N=	321167R92	IH	415991	32195	LEECE	473016!
319W23238	FMC	416267!	3203640	GMC	415023	3211759	GMC	471787!	32198	GARLK	472016!
319W23261	FMC	471138!	320384	H-S	470645	321176H	SPG	710334	3219S	GIB	472572!
319W23263	FMC	472636!	3203S	SPG	3203=	321195	NATL	471195!	321VB7	MARI	417210!
319W23310	FMC	471887	32042	GARLK	417351!	321202HA	SPG	227045	3220	C-R	50445*
319W23311	FMC	415371	320449	UNIVE	415389*	321214VG	SPG	710164	3220403	AMC	473441
319W2332	FMC	470565!	3204510	AMC	340356	321218HA	SPG	712008	32205	HYST	472012
319W23321	FMC	415001!	320457	TIMKE	320457	321220RA	SPG	321220	32210	GARLK	473243
319W23339	FMC	415458!	320462	UNIVE	416332!	321224	NATL	471224!	3221338	GMC	470712!
319W23356	FMC	417344!	320463	MICH	416332!	321237	H-S	473215!	3221339	GMC	473225!
319W2336	FMC	416271!	320475	MICH	415937!	321251HA	SPG	223602	3221342	GMC	416738!
319W23522	FMC	416865!	320475	UNIVE	415937!	3212529	GMC	450593!	3221342	GMC	450096
319W23838	FMC	416267!	3204830	AMC	PSK-1	321255	SPG	471255!	3221709	GMC	473460
319W24	C-R	472409!	320487	UNIVE	417355!	321264	NATL	471264!	32218	GARLK	413469!
319W24-M1	C-R	472409!	320488	MICH	417355!	321267	TIMKE	471267	322228	H-S	472179
319W25	C-R	450621*	320499	UNIVE	416125!*	321267R91	IH	415991	322240	NATL	476838!
319W26	C-R	470354*	3204S	SPG	415995=	321267R91	IH	415991!	3222550	AMC	7687S
319W26-M1	C-R	470354*	320500	MICH	416125!	321267R92	IH	415991!	322309	WOOL	415991
319W27611	FMC	85X130X13	3205000	GMC	411253!	321267R92	IH	415991	322309	WOOL	455146!
319W27612	FMC	476517	3205298	WILYS	470954!	321276	SPG	471276	3223363	AMC	5121
319W27613	FMC	476518	3205331	AMC	5111	321282R91	IH	471504	322353	TIMKE	322353
319W2766	FMC	476512	3205331	AMC	5111S	321284R1	IH	J983=	322373	TIMKE	470625
319W2769	FMC	476514	3205502	GMC	450165	321293RA	SPG	223220	322375	H-S	417316!
319W28	C-R	410737!	3205502	GMC	471801!	321298	JAC	471224!	3223795	WHITE	472636!
319W28-M1	C-R	410737!	32056	GARLK	472397!	3212984	GMC	473419	322422	WHITE	470050
319W35510	FMC	471571	320563	NATL	2025	321299RA	SPG	223800	322424C91	IH	470565!
319W35514	FMC	415317	320563	SPG	2025	32129SRA	SPG	224020	3224704	AMC	321460
319W35515	FMC	415124	320564	TIMKE	320564	3213601	GMC	471354!	322475	MICH	417501
319W3553	FMC	415645!	320583	NATL	43X60X8!	321389	NATL	470954!	322475	UNIVE	417501
319W3556	FMC	416167!	320583	TIMKE	320583	3214	TIMKE	3214	322499	UNIVE	55030*
319W3557	FMC	416476!	320595	TIMKE	320595	321412	SPG	481163	322500	MICH	55030
319W3558	FMC	455406!	320595SS	SPG	320595	3214224	NATL	471224!	322674	CATER	471833
319W3611	FMC	451583!	320603	TIMKE	320603	321442	NATL	471442!	322681C91	IH	472492
319WL26-M1	C-R	6636S	3206237	GMC	473462	321460	TIMKE	321460	3227	TIMKE	3227

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
3228	AT-PL	473463	323715BX	SPG	42X60X7!	324120R91	IH	476470	324499	UNIVE	455031!
32283	C-R	40375	32374	C-R	476470	32414810	TROS	210945	3244E	GOODM	415036
3228401R91	IH	2260	32375	C-R	476470	324151RX	SPG	324151=	324500	MICH	416339
3228457R1	IH	2261	323762BX	SPG	1994	324155	WHITE	415995!	324500	MICH	455031!
322862	JAC	450039	323762BX	SPG	48X70X9!	3241669	AMC	3698	324507XX	TIMKE	32X45X7
32288	HYST	417509	32377	C-R	476470!	32418	C-R	476470	32452	C-R	418028
32289	C-R	320691	32377	C-R	476470	324186	SPG	1884	32452	C-R	455137!
32298	SPICE	471646!	32378	C-R	476470!	324189	H-S	50081	324525	MICH	415150!*
3229964	GMC	417486	32378	C-R	476470	32419	C-R	476470	32453	C-R	418028
3230	C-R	50445	32379	C-R	476470!	324191R91	IH	392076*=	32453	C-R	455137!
32301	C-R	228480	32379	C-R	476470	324192R91	IH	392077*=	324606XX	TIMKE	32X46X6
32302	C-R	228480	3237VJ	SPG	3237	3241RB	SPG	3241	32461	GARLK	416271!
32303	GARLK	471272!	32380	C-R	100494	32420007.5	TROS	410102	324631	SPICE	473215!
323039	H-S	417357	32380	C-R	476470!	324204	TIMKE	324204	324634	SPICE	415449!
323039	H-S	455192!	32380	C-R	476470*	324207XX	TIMKE	32X42X7	32467	C-R	418028
32304	C-R	228480	32380D	IH	412473!	324208XX	TIMKE	32X42X8	3246D	GOODM	415041
3230430	AMC	8429S	32381	C-R	476470!	32421607.5	TROS	412920!	32470	C-R	418028
3231	PEERC	472924!	32381	C-R	476470	32421611	TROS	412920!	32470	HYST	417492
323112	NATL	470530!	3238137	AMC	3942	32422	GARLK	470565!	324707XX	TIMKE	32X47X7
323113	SPG	471466!	32382	C-R	476470!	32422007.5	TROS	450133	324729R91	IH	417267
3231145	GMC	471192	32382	C-R	476470	32422404	TROS	413247!	32473	C-R	418028
323119	TIMKE	323119	32383	C-R	476470!	32422407.5	TROS	413247!	32473	C-R	455137!
32312407.5	TROS	450492	32383	C-R	476470	32422VB	TRSCM	476470	324731R91	IH	470380!
323125	TIMKE	323125	32384	C-R	476470	32423	C-R	417181!	324732R91	IH	472185!
323126	TIMKE	323126	32384	C-R	476470!	32423205	TROS	470605!	32474	C-R	418028
323133	TIMKE	323133	32385	C-R	100494	32423207.5	TROS	470605!	32474	C-R	455137!
323138	NATL	323138	32385	C-R	476470!	32423208	TROS	470605!	32474TA	TRSCM	415577
323138	TIMKE	323138	32387	C-R	476470	324234V	TIMKE	324234V	32477	C-R	418028
32316008	TROS	450965	32388	C-R	476470	324234VD	SPG	324234V	32477	C-R	418028*
32317	GARLK	471138!	32390	C-R	476470	32423TB	TRSCM	476470	32478	C-R	418028
323191	NATL	417316!	32392	C-R	476470!*	32424	C-R	417181!	324808XX	TIMKE	32X48X8
32320804	TROS	40097S	3239231R91	IH	415082	32424008	TROS	413248	32481	C-R	418028
32320807.5	TROS	413469!	32393	C-R	476470	324241	WHITE	471570!	324867	H-S	471224!
32321207.5	TROS	412943	32394	C-R	476470*	32424TA	TRSCM	476470!	3249244	GMC	472924!
32321407.5	TROS	50631	32395	C-R	476470*	32425	C-R	417181!	324939	TIMKE	472419
32321607.5	TROS	411253!	32395	C-R	476470	324267	WHITE	472394	324941	TIMKE	324941
32321608	TROS	411253!	32396	C-R	476470	32428	C-R	417181!	324960	Y-T	410825
32322007.5	TROS	410694!	32397	C-R	476470	32429	C-R	417181!	32498	C-R	418028
323220M1	C-R	451143	32397	C-R	476470!	3242D	GOODM	417357	324A23206	TROS	472397!
32322404	TROS	40101S	323978	AUTOZ	BS40645	3242D	GOODM	455192!	324B28	C-R	472636!
32322407.5	TROS	412119!	32398	C-R	476470	3243	PEERC	473467!	324BM28	C-R	472636!
32322409.5	TROS	412119	323981	AUTOZ	BS40644	32430	C-R	417181!	324G	OSHKO	476470
32322412	TROS	412119!	32399	C-R	476470	324307XX	TIMKE	32X43X7	324W120	C-R	450467
32323007.5	TROS	50560	324-X416	C-R	7208S	32431	C-R	417181!	324W28-L	C-R	473245!
32323207.5	TROS	410496!	3240	C-R	50445	32432	C-R	417181!	325008A	HARWA	32X50X8
32324007.5	TROS	412871!	3240086	AMC	9912	32433	C-R	417181!	325008XX	TIMKE	32X50X8
3232755	GMC	450811=	32401	C-R	476470	32434	GARLK	413246	32501	C-R	418028*
32329	GARLK	472636!	324014R91	IH	471224!	324341C91	IH	100495	32501	C-R	455137!
3232A	HERCU	455189	32402	C-R	476470!	324341C91	IH	417349	3250132	AMC	1119
32330	C-R	710180	32402	C-R	476470	324342R91	IH	350156	3250132	AMC	710331
32332	C-R	710180	32403	C-R	476470!	324342R91	IH	473096	32502	C-R	415137!
323324VG	SPG	3476V	32403	C-R	476470=	32435	C-R	417181!	32502	C-R	418028*
3233871	GMC	471766!	324043R91	IH	416888!	32436	C-R	417181!	3250259	AMC	3476
32341	GARLK	412920!	324046BX	SPG	30X52X7	32437	C-R	200870	3250262	CHRYSL	710205
32343	C-R	417362!	32404TA	TRSCM	417433!	324373R91	IH	472397!	32504TA	TRSCM	418028
32344	C-R	417433*	32404TA	TRSCM	455566	324394	H-S	471649!	32505	C-R	418028
32344	C-R	417433	32406	C-R	476470!	324395	H-S	471652	32506	C-R	418028
32348	C-R	417433!	32406	C-R	476470	3243D	GOODM	416130!	3250632	IH	450398
32350	C-R	417433	3240D	GOODM	416339	32441	C-R	7208S	3250632	IH	471267!
32351	C-R	417433!	3240D	GOODM	455031!	32442	C-R	7208S	32507	C-R	418028
323562C91	IH	415449	3241	FMS	223010	32446	C-R	418028	32507	C-R	455137!
32358	KINGN	476838!	32410	C-R	100494	32446	C-R	455137!	3250733	AMC	3553
3235929	AMC	473228!	32410	C-R	476470!	32446	GARLK	413247!	32508	C-R	415137!
32360	C-R	455566	324112	TIMKE	324112	324475	MICH	415379!	32508	C-R	418028
32362	C-R	455566	324112SSO	SPG	324112	324475	MICH	415379	325088	SPG	325088
32362	GARLK	415259!	324115R	SPG	223235	324475	UNIVE	415379!	325120	C-R	450467
32364	C-R	476470	324115R	SPG	32X46X6!	324475	UNIVE	415379	325124M1	C-R	412040
32368	C-R	476470	324115RR	SPG	223235	32448	C-R	418028*	325128L	C-R	7216
32371	C-R	476470!	324115RR	SPG	32X46X6!	324487	UNIVE	417205!	3251309	GMC	415995!
32371	C-R	476470	324118	WHITE	417484!	324488	MICH	417205!	32514	C-R	476303!
3237134	GMC	415937!	32412	C-R	476470	32449	C-R	418028*	32516	C-R	415137!
323715BX	SPG	1953	324120R91	IH	476470!	324499	UNIVE	416339	32516	C-R	418028

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32519 C-R		418028	32583 C-R		415023*	326488 MICH		417504	3282 PEERC		417344!
3252 C-R		412027	325836 NATL		415995!	326499 UNIVE		455032!*	32820804 TROS		6380
325207XX TIMKE	32X52X7		325836 NATL		415995!	326500 MICH		455032!	32822 HYST		55301S
32521 C-R		418028	32584 C-R		415023	326525 MICH		455189	328220 TORO		410059
32521 C-R	455137!		32585 C-R		415023	326525 UNIVE		455189*	328220 TORO		470380!
325210 C-R		411394!	325905 NATL		415001!	32656 GARLK		417343!	32822B HYST		55301S
325210 FAIRB		411394!	32591 C-R		415023	326594 H-S		417205!	328475 MICH		417210!
325210M1 C-R		411394!	32595 C-R		418028	326601 GMC		1174	328475 UNIVE		417210!
325212 C-R		413246	325954 WHITE		470625!	326601 GMC	38X52X8.5!		328487 UNIVE		417211!
325212M1 C-R		413246	32597 C-R		455328	326645 JAC		472258	328488 MICH		417211!
325214 C-R		412040	325988 WHITE		473313	32669 DIVCO		240356	328499 UNIVE		416345!
325214M1 C-R		412040	32599 C-R		455328*	3267 PEERC		410496!	328499 UNIVE		455033
325216 C-R		471271!	325A28 C-R		472636!*	326703R91 IH		471835!	328500 MICH		416345!
32522 C-R	450313		325AMM28 C-R		472636!*	32676 GARLK		417158!	328500 MICH		455033
32522M1 C-R	450313		325B216 C-R		471271!	32683 GARLK		416664!	328512 UNIVE		415697!
32523 C-R		418028	325B28 C-R		472636!	326871 JAC		473454	328512 UNIVE		455547
32523 C-R	455137!		325BM28 C-R		472636!	326877 Y-T		455462	328525 MICH		417366!*
32524 C-R		473243	325CHA28 C-R		472636!	326964 ACF		471646!	328525 UNIVE		417366!*
32524M1 C-R		473243	325F214 C-R		412040	326964 H-S		471646!	32875 HYST		412040
32525 C-R		473245!	325F28 C-R		472636!*	32698 GARLK		415984!	32890S JN-MN		55228=
32526 C-R		473245!	325FF216 C-R		442380	326MA28-L C-R		472636!	328B21604 TROS		41075S
32526 HU-WR		473245!	325FM128 C-R		472636!*	326R TIMKE	326PKG		328R TIMKE		328PKG
32526M1 C-R		473245!	325G216 C-R		442380	327026 H-S		471442!	3292 TIMKE		3292
32528 C-R		472636!	325G28 C-R		40316S	32710 GARLK		417316!	3292BG1 SPG		3292
32528K FAIRB		472636!	325HD216 C-R		442380	32712 WAYNE		450044	329313C91 IH		470682
32528M1 C-R		472636!	325HMS216-L C-R		7018N=	32712M IH		473426	329551 SPICE		6808N
3252M1 C-R		412027	325N28 C-R		472636!	327134R91 IH		473228!	32968 HYST		413247!
32533 DIVCO		474278!	325R TIMKE		325PKG	32715 C-R		228250	32969 HYST		415371
32536 GARLK		471271!	325R222 C-R		6532S=	32719 GARLK		415960	32982 SPICE		6808N
32536 GR-DV		473245!	325R222-Y12 C-R		6532S=	327203VG SPG		327203V	329J-225 MACK		370033A
325369 H-S		471224!	325W128 C-R		451078!	327208XX TIMKE		32X72X8	329R TIMKE		329PKG
32538 C-R		417353!	325W128-M1 C-R		451078!	327215 TIMKE		327215	32QF259 MACK		370001A
32538 GOODM		472636!	325W2 C-R		412027	327228R91 IH		416888!	32QJ-00127A MACK		370003A
32540 C-R		417353!*	325W2-M1 C-R		412027	327229R91 IH		455480!	32QJ-131-A MACK		370048A
325400VG SPG	228250		325W210 C-R		411394!	327230R91 IH		455480!	32QJ-131-A MACK		380048A
325400VG SPG	710448		325W210-M1 C-R		411394!	327240R91 IH		7516	32QJ-133A MACK		370033A
32541 C-R		417353!	325W212 C-R		413246	327245 WHITE		472016	32QJ-156 MACK		370020A
325410XX TIMKE	32X54X10		325W212M1 C-R		413246	327267 WHITE		472394	32QJ-158- MACK		370048A
32542 C-R		417353!	325W214 C-R		412040	327303 NATL		327303	32QJ-158- MACK		380048A
325421 SPICE	5131		325W214-M1 C-R		412040	327303 TIMKE		327303	32QJ-160 MACK		370048A
32543 C-R		417353!	325W216 C-R		471271!	327305 NATL		415725!	32QJ-160 MACK		380048A
32544 C-R		417353!	325W216-M1 C-R		471271!	327321R91 IH		470712!	32QJ-161 MACK	AR12+	370033A
325472 JAC		471267!	325W22 C-R		450313	327364R91 IH		240319	32QJ-164 MACK		370023A
32548 GARLK		470605!	325W22-M1 C-R		450313	327380R91 IH		416865!	32QJ-165 MACK		370036A
325485 JAC		472475	325W24 C-R		473243	327381R91 IH		415551	32QJ-165 MACK		370349A
32551 GARLK		415449!	325W24-M1 C-R		473243	32740 WAYNE		5751	32QJ-175 MACK		370006A
325510A HARWA	32X55X10		325W26 C-R		473245!	327535 ALLCH		204013	32QJ-179 MACK		370003A
325518 SPG	85X120X12		325W28 C-R		472636!	3275S SPG		3275=	32QJ-19301 MACK		370001A
325518BG SPG	85X120X12		325W28-M1 C-R		472636!	327615 WHITE		473215!	32QJ-19302 MACK		370007A
325529BG SPG	60X90X10		325W425 CONE		5169	3276SK SPG		3276=	32QJ-19303 MACK		370001A
32553 C-R		415577	325Z210 C-R		411394!	32770 GARLK		415303!	32QJ-19320 MACK		370001A
32554 C-R		415577	326008XX TIMKE	32X60X8		3277551 GMC		415035!	32QJ-19321 MACK		370001A
32555 C-R	55236		326010XX TIMKE	32X60X10		3277551 GMC		415035	32QJ-19322 MACK		370007A
32557 GARLK		415449!	32602 WAYNE		450540	32782 GARLK		417344!	32QJ-19325 MACK		370003A
325588VG SPG	710237		32603 WAYNE		455321	32788A KINGN		240731	32QJ-19326 MACK		370030A
325589V SPG	229210		32605 C-R		455328*	3278VG0 SPG		416271=	32QJ-19327 MACK		370001A
32559 C-R		415577	32615 SPICE		6465	32791 GARLK		417158!	32QJ-19329 MACK		370023A
32560 C-R		456305*	32617 GARLK		413248	327936H NATL		227045	32QJ-19336 MACK		370003A
32560F DIA		471570!	326208XX TIMKE	32X62X8		327995 TIMKE		327995	32QJ-19337 MACK		416892
32561 C-R		416865!*	326216M1 C-R		471271!	327M5 WHITE		473367	32QJ-19340 MACK		370001A
325610XX TIMKE	32X56X10		3262537 GMC		411376!	327M5 WHITE		473367!	32QJ-19347 MACK		370007A
32563 C-R		416865!	3262538 GMC		416921!	327R TIMKE		327PKG	32QJ-19353 MACK		370003A
32563 GARLK		415449!	326283C91 IH		6635S	327SSK SPG		3276=	32QJ-19354 MACK		370003A
325641HA SPG	228700		3262W-179 ROCKW	HU019A		327W28 C-R		472636!	32QJ-19355 MACK		370003A
325657SS SPG	170X200X15		32632 GARLK		415483	328062 JAC		471766!	32QJ-19366 MACK		370001A
325662VD SPG	325662V		32635 US-EL		415302	3280S6649 GAL	JV1935=		32QJ-19369 MACK		370023A
325668 H-S		472287!	326370 HYST		470774!	3280S6650 GAL	JV1936=		32QJ-19371 MACK		370001A
32569 GARLK		416273	32640 C-R		5408	328106R91 IH		473224=	32QJ-19373 MACK		370003A
32570 C-R		415023	32644 GARLK		415458!	32812 GARLK		416921!	32QJ-19374 MACK		370023A
32571 C-R		415023	326475 MICH		455178=	3281204 GMC		471570!	32QJ-19377 MACK		370006A
325808XX TIMKE	32X58X8		326475 UNIVE		455178=	32815 C-R		455500	32QJ-19378 MACK		370006A
32582 C-R		415023*	326487 UNIVE		417504	32815 C-R		455500!	32QJ-225 MACK		370033A

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32QJ-226	MACK	370048A	32X52X7TC	TRSCM	32X52X7!	3302025	GMC	412473!	331301	AT SU	331301N
32QJ-226	MACK	380048A	32X54X10SC	TRSCM	32X54X10	33031	CHERY	472015!	331301N	TIMKE	331301N
32QJ-233	MACK	415058	32X54X10TC	TRSCM	32X54X10	33033	C-R	455500*	33136	C-R	415085!
32QJ-235	MACK	370065A	32X55X10	SIMRT	32X55X10	33033	GARLK	415995!	33136	C-R	456648
32QJ-237	MACK	370003A	32X56X10SC	TRSCM	32X56X10!	33033	GARLK	415995!	33139	C-R	415085!
32QJ-241	MACK	416892	32X56X10TC	TRSCM	32X56X10!	330385	NATL	330385!	33139	C-R	456648
32QJ-243	MACK	415058	32X60X10SC	TRSCM	32X60X10	330385	TIMKE	330385	3313904	GMC	472397!
32QJ-250	MACK	370023A	32X60X10TC	TRSCM	32X60X10	33040	C-R	455500*	33140	C-R	415085!
32QJ-29301	MACK	370007A	32X60X8SC	TRSCM	32X60X8!	33041	C-R	455500	33140	C-R	456648
32QJ-29302	MACK	370001A	32X60X8TC	TRSCM	32X60X8!	330414	NATL	472311!	33143	GARLK	417171!
32QJ-29304	MACK	370023A	32X62X8SC	TRSCM	32X62X8	330414	SPG	472311	331454SA	TRSCM	456648
32QJ-29306	MACK	471272!	32X62X8TC	TRSCM	32X62X8	330414	TIMKE	472311	3314727	GMC	473211!
32QJ-29316	MACK	370023A	32X72X8SC	TRSCM	32X72X8	33042	GARLK	417351!	3314728	GMC	471868
32QJ-29318	MACK	416892	32X72X8TC	TRSCM	32X72X8	330480	SPG	323138!	331495	JAC	471413!
32QJ-329	MACK	370023A	33 BL-KN		471689!	330487	UNIVE	417967!	3315623	FULLE	710211
32QJ-330	MACK	370019A	330-3002	STEM	730009	330488	MICH	417967!	3315624	EATON	712512
32QJ110	MACK	417492	330-3005	STEM	730007	330499	UNIVE	415034!	331572	JAC	470954!
32QJ111C	MACK	417172	330-3006	STEM	730018	330500	MICH	415034!	3315763	GMC	415219
32QJ112B	MACK	370019A	330-3007	STEM	733067	330525	MICH	455191*	3315821	GMC	472439
32QJ115A	MACK	370011A	330-3008	STEM	730005	330525	UNIVE	455191*	33163	JOHND	481864
32QJ116B	MACK	417172	330-3009	STEM	733067	33053	C-R	455500	3317031	GMC	417604
32QJ118A	MACK	416892	330-3011	STEM	730022	330532	HYST	456967V!	33177	C-R	415085!
32QJ119	MACK	370033A	330-3012	STEM	730026	330663	TIMKE	472354	33177	C-R	456648
32QJ120	MACK	370011A	330-3013	STEM	733067	330699	TIMKE	330699	331808C91	IH	471570!
32QJ121A	MACK	370011A	330-3014	STEM	733067	33070	C-R	710294	331810C91	IH	471827!
32QJ122A	MACK	370011A	330-3016	STEM	730035	33070	C-R	84X100X12!*	331817	PEERC	473229
32QJ127A	MACK	370003A	330-3019	STEM	730009	33073	C-R	416292*	33186	C-R	416313
32QJ130A	MACK	370007A	330-3022	STEM	730023	330749	SPG	8421S	33187	GEM	474278!
32QJ135A	MACK	415058	330-3023	STEM	730010	330749V	TIMKE	330749V	3318749	GMC	417606
32QJ136A	MACK	370030A	330-3024	STEM	730004	330749VG1	SPG	330749V	3318750	GMC	417210!
32QJ140	MACK	370033A	330-3025	STEM	730003	33077	C-R	416292	331882H	SPG	473459
32QJ228	MACK	370007A	330-3028	STEM	730001	3308001	BEHLN	471538!	331882H	TOWNR	473459
32QJ238	MACK	417172	330-3031	STEM	730019	3308008	BEHLN	350909	33195	C-R	455024*
32QJ238A	MACK	417172	330-3034	STEM	730027	3308008	BEHLN	471224!	331G210	C-R	5924
32QJ240	MACK	370069A	330-3035	STEM	730003	330810	WAGMA	413248	331G28	C-R	44052
32QJ240	MACK	380069A	330-3037	STEM	730031	330867H	SPG	470898!	331R	TIMKE	331PKG
32QJ242	MACK	370019A	330-3039	STEM	730034	330931	WAGNR	416362	3320	TLSMI	471538!
32QJ246	MACK	370002A	330-3040	STEM	730008	3309507	GMC	417196!	332013	PEERC	471766!
32QJ248	MACK	370033A	330-3041	STEM	730016	330R	TIMKE	330PKG	332018	PEERC	473228
32QJ249	MACK	370037A	330-3042	STEM	730149	331007C91	IH	415991!	33202	CUSH	472287!
32QJ249	MACK	370338A	330-3044	STEM	730017	331007C91	IH	415991	33202E	CUSH	472287!
32QJ252	MACK	370048A	330-3045	STEM	730012	3310206	PEERC	417344!	3320340	PEERC	471686
32QJ252	MACK	380048A	330-3046	STEM	730006	331028	PEERC	473228	332040	PEERC	473010
32QJ266	SPICE	370003A	330-3056	STEM	730030	33103	PEERC	417344!	33206	C-R	415085!*
32X17610A	JOHND	J1121	330-3060	STEM	730024	33104	GARLK	417621!	332062	TIMKE	332062
32X21486A	JOHND	417343!	330-3066	STEM	730025	33107	GEM	417267	33209	C-R	455024
32X22376A	JOHND	417343!	330-3077	STEM	357	3310OS	JN-MN	472164!	33209	CRUSA	17720
32X22480A	JOHND	471684!	330-3078	STEM	730029	3311035	WOOL	415074	33210	C-R	455024
32X22481A	JOHND	470590	330-3080	STEM	730003	331107	SPG	331107N	332104	JAC	471649!
32X38693A	JOHND	417343!	330-3097	STEM	730149	331107N	NATL	331107N!	332134	TIMKE	332134
32X42X7AN(35)	ISP	32X42X7	330-3105	STEM	733105	331107N	TIMKE	331107N	332187	SPG	8804S=
32X42X8SC	TRSCM	32X42X8!	330-3106	STEM	733106	331129	SPG	473231!	33221	GARLK	476470
32X42X8TC	TRSCM	32X42X8!	330-3107	STEM	733107	33114	C-R	416292	3322107	GMC	473226
32X45X7SC	TRSCM	32X45X7	330-3108	STEM	733108	33116	GARLK	416288!	33221608	TROS	411376!
32X45X7TC	TRSCM	32X45X7	330-3109	STEM	733109	331173	TIMKE	331173	33221611.25	TROS	411376!
32X46X6SC	TRSCM	32X46X6!	330-3110	STEM	733110	331210VG	SPG	331210V	332220135	TROS	416444
32X46X6TC	TRSCM	32X46X6!	330-3111	STEM	733111	33121608	TROS	455136	33222408	TROS	416273!
32X47X7	NATL	3476	330-3112	STEM	733112	3312226	CLARK	9613S	33222411.25	TROS	416271!
32X47X7SC	TRSCM	32X47X7!	330-3113	STEM	733113	331224	WAGMA	417344!	332224X06	TROS	416271!
32X47X7TC	TRSCM	32X47X7!	330-3114	STEM	733114	33122407	TROS	410987!	33222808	TROS	411245!
32X48X8SC	TRSCM	32X48X8!	330-3115	STEM	733115	33122408	TROS	410686N	33223207	TROS	415449!
32X48X8TC	TRSCM	32X48X8!	330-S550	UNIVE	417506	33122411	TROS	410987=	33223208	TROS	415449!
32X50X8	FORSH	32X50X8	3300-10131	STLPD JN-MN	509516	331227H	TIMKE	331227H	33223208C	TROS	415449
32X50X8	NATL	223250	3300-11793	STLPD JN-MN	509516	331228	SPG	331228H	33223210	TROS	415449!
32X50X8	NATL	710415	330031	SPICE	476470	33122808	TROS	450104	33223212	TROS	415449!
32X50X8	SIMRT	32X50X8	33004143	CHRY	716445	331228H	TIMKE	331228H	33223608	TROS	415302
32X50X8SC	TRSCM	32X50X8	33004681	CHRY	321460	33123608	TROS	413479	33223609	TROS	415302
32X50X8TC	TRSCM	32X50X8	33009	GARLK	417349!	33123608C	TROS	411330!	33224008	TROS	415483!
32X51176A	JOHND	471442!	330113	SPICE	50199S!	33123808	TROS	411330!	33224408	TROS	455434
32X51176B	JOHND	471442!	330113	SPICE	6863S!	33125	C-R	417491	33224808	TROS	416664!
32X52X11TC	TRSCM	1167	33017	HYST	411394!	33126	C-R	417491	3323295	GMC	417487
32X52X7SC	TRSCM	32X52X7!	33018	GARLK	417350!	33127	C-R	417491	33236	GARLK	417181!

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33250 C-R		455612=	33434TA TRSCM		412473	33528 C-R		411253!	336276R91 IH		415995!
3325179 GMC		415937!	33440 C-R		85X115X12!	33528 FAIRB		411253!	336276R92 IH		415995!
33254 C-R		100557	33440 C-R		85X115X13!*	33528 GR-DV		411253!	33628 C-R		5128N
33254 C-R		4544V	33440 TROS		5711	33528M1 C-R		411253!	3362RC SUL		473236!
332590 SPG		8750S	33443 C-R		85X115X13	33528M1 CR-CF		411253!	33633 ACF		471341!
332590SK SPG		8750S	334510 WHITE		471785!	335447 GMC		5070	33643 GATES		35402
33260 C-R		455612*=	33454 C-R		228410	33555 C-R		85X120X12	33643 GATES		427RR
33261 TROS		450143	33454SA TRSCM		417191	33557 C-R		85X120X12!	33645 C-R		415442
332671 WHITE		473228!	33454SA TRSCM		456585	33550S JN-MN		450165	33645 C-R		55442
33270A20 AM HO		415116	33454TA TRSCM		417191	33550S JN-MN		471801!	33646 GARLK		416041
33275 GARLK		417353!	33460 C-R		710088	33563 C-R		85X120X12!	33650 C-R		415442
332860 Y-T		415076	33460 GARLK		416624!	33568 GARLK		416332!	33650 C-R		55442
3328698 CUMMI		100467	33464TA TRSCM		417354!	3357 TIMKE		3357	33653 ACF		471341!
3328698 CUMMI		5732	334653 PEERC		470712!	33570 C-R		85X125X12	33653 HYST		471341!
3328759 CUMMI		5728	334728 CATER		473229!	33580 GARLK		415937!	336537 WAGMA		416154!
3328760 CUMMI		5734	33473 WAYNE		450332	33585 C-R		85X130X13	33654 C-R		475996H=
3328761 CUMMI		5732	3348 TIMKE		3348	33590 C-R		85X130X13	33655 GARLK		415379
332901C91 IH		473451!	33484 GARLK		415991!	335924N TIMKE		335924N	33661 GATES		35524
3329522 GMC		471192	33484 GARLK		415991	33593 C-R		85X130X13	33662 C-R		416294!
3329BG SPG		473238	33489 SPICE		471835!	3359RC SUL		415991	336626R91 IH		472636
332A23204 TROS		8975S	33499 GARLK		417196!	3359RC SUL		455146!	33663 C-R		416294!
332A233X04.5 TROS		8975S	334F212-L C-R		412119!*	335A212 C-R		412119!*	336631R91 IH		8481=
332FF216-L C-R		6785	334FF24 C-R		413469!	335B212 C-R		412119*	336631R92 IH		8481=
332R TIMKE		332PKG	334HMS212-T8 C-R		412119!	335B220 C-R		412871!	33664 C-R		416294!
333009 WAGMA		470898	334HMS220 C-R		412871!	335B28 C-R		411253!*	336644 PEERC		476838!
3333 PEERC		415379	334N212 C-R		412119*	335BM28 C-R		411253!	336648 PEERC		472397!
3333 PEERC		415379!	334N212-T8 C-R		412119*	335F212 C-R		412119!*	33665 C-R		416294!
33346 GARLK		416294!	334R TIMKE		334PKG	335F216 C-R		410496!*	336652 PEERC		473228
33352 VIC		473230!	335012XX TIMKE		33X50X12	335FF220 C-R		412871!	336656 PEERC		417262!
33353 SPICE		473214!	3350BP SPG		3369=	335FM212 C-R		412119!*	336659 PEERC		412119!
33353 VIC		473214!	3350RB SPG		3350	335FM216 C-R		410496!*	33666 C-R		416294!
333625 PEERC		471354!	33511 GARLK		415437	335G216 C-R		40496S=	33667 C-R		417491
33364 GARLK		412473!	335131 C-R		450111	335G24 C-R		40097S	33667 GARLK		417205!
333642 PEERC		470712!	33516008 TROS		417474	335HD212 C-R		40101S	33669 C-R		475996H=
333745C11 ROCKW		370023A	335164 JAC		471737	335HD220 C-R		412871!	33670 C-R		412473!
333750R91 IH		417316!	335196 GMC		3173	335R TIMKE		335PKG	33682 C-R		412473!
33376 CRUSA		17720	335196 GMC		710928	335W210 C-R		410694!*	33682 GARLK		416339
33379 GARLK		417191	33519959 NOK		135X160X13	335W212 C-R		412119!	336862 JAC		470954!
333794R91 IH		473214!	33510S JN-MN		471141!	335W212-M1 C-R		412119!	336863 JAC		471442!
333840R91 IH		471643!	335206XX TIMKE		33X52X6	335W214 C-R		411500*	33690 C-R		412473!
333843R91 IH		473214!	33520808 TROS		415349	335W214-M1 C-R		411500*	33691 C-R		412473!
33390 C-R		477055	335210 C-R		410694!	335W215 C-R		50560	336918 ALLCH		205017
33394 GARLK		417354!	335210A HARWA		33X52X8.5	335W216 C-R		410496!	336962 JAC		471267!
333949R91 IH		471267!	335210M1 C-R		410694!	335W216-M1 C-R		410496!	33698 C-R		412473!
333983 WAGNR		416404=	335212 C-R		412119!	335W22 C-R		450532*	33699 C-R		412473
333996R91 IH		415458!	335212 FAIRB		412119!	335W220 C-R		412871!	336C124 C-R		210945
333996R92 IH		415458!	335212 GR-DV		412119!	335W220-M1 C-R		412871!	336F28 C-R		412920!
333998R91 IH		472258!	335212K SUL		412119!	335W24 C-R		413469!*	336R TIMKE		336PKG
3339S SPG		417158=	335212M1 C-R		412119!	335W24-M1 C-R		413469!*	336WL216-Y23 C-R		470605!
333R TIMKE		333PKG	335212T8 C-R		412119!	335W26 C-R		412943*	33700 C-R		412473*
334001 GMC		473210	335214 C-R		411500	335W27 C-R		50631	33700 C-R		412473!
33405 C-R		228410	335216 C-R		410496!	335W28 C-R		411253!	33701 C-R		412473*
3340RC SUL		415034!	335216M1 C-R		410496!	335W28-M1 C-R		411253!	33701 C-R		412473!
3341 TIMKE		3341	33522 C-R		450532	33601 GARLK		417355!	33703 C-R		412473!
33410 C-R		85X105X13	335220 C-R		412871!	336013R91 IH		417191	33704 C-R		412473!
334111 TIMKE		334111	335220M1 C-R		412871!	336018R91 IH		330385!	33705 C-R		412473!
334111SS SPG		334111	33522808 TROS		417073	336052R91 IH		471255!	33706 C-R		412473!
33412 C-R		716102	33523207.5 TROS		415001!	336053R91 IH		471255!	33707 C-R		412473!
33413 C-R		716102	33523208 TROS		415001!	336090 JAC		471984	33711 C-R		412473!
33415 C-R		85X105X13!	33523208C TROS		415001!	33610 GATES		35126	33711 C-R		412473*
3341D GOODM		417511	33523210 TROS		415001!	33610 GATES		427RR	337111 SPICE		411962=
3341RC SUL		415645!	33524 C-R		413469!	336106R91 IH		450311	337111 VIC		411962=
3341RC SUL		455104	33524 HARN		413469!	336107R91 IH		471652	33712 C-R		412473*
33425 C-R		228520	33524007.5 TROS		417079	33613 GARLK		416125!	33712 C-R		412473!
33425 C-R		85X110X10	33524808 TROS		417484!	33617 DEXTR		473235	3371222 GMC		415035
33425 C-R		85X110X12!	33524810 TROS		417484!	33617 GATES		35292	337128 C-R		410524
33426 C-R		85X110X12V	33524M1 C-R		413469!	33617 KELSE		473235	337128M1 C-R		410524
33427 C-R		228520	33525 C-R		412943	33617 LIGET		473235	337131 C-R		450497=
33427 C-R		85X110X12!	33525M1 C-R		412943	3362 HYST		473446	33716 C-R		412473!
33428 C-R		85X110X12V	33526 C-R		412943	336212J SUL		412119!	33717 C-R		412473!
33429 C-R		228520	33526M1 C-R		412943	336274R91 IH		471692!	3372 C-R		410102
33429 C-R		85X110X12!	33527 C-R		50631	336275R91 IH		471692=	33721 GARLK		417211!

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337210	C-R	450133	3379282	GMC	416654!	3386221	GMC	416332!	340-4036	STEM	HU036A
337212	C-R	413247!	3379283	GMC	473473	33866	C-R	416327*	340-4037	STEM	HU037A
337212M1	C-R	413247!	33793	C-R	417354!	3387168	GMC	474278!	340-4039	STEM	HU039A
337214	C-R	413478	33793D	IH	416153!	338725C91	IH	416706!	340-4042	STEM	HU042A
337214M1	C-R	413478	33795	C-R	417354!	3387499	GMC	471138!	340-4046	STEM	HU009A
337216	C-R	470605!	3379OS	JN-MN	416158	3388	TIMKE	3388	340-4049	STEM	HU149A
337216M1	C-R	470605!	337FF214-L	C-R	413478	338815R91	IH	471785!	340-4050	STEM	HU042A
33722	C-R	450343	337R	TIMKE	337PKG	338817R91	IH	417351!	340-4057	STEM	HU057A
337220M1	C-R	413248	337W128	C-R	410524*	338874R91	IH	472924!	340-4058	STEM	HU058A
33723	C-R	412473!	337W2	C-R	410102*	338875R91	IH	471224!	340-4065	STEM	HU065A
337240	PEERC	471766!	337W2-M1	C-R	410102*	338877R91	IH	476424N	340-4066	STEM	HU066A
33725	C-R	412473!	337W210	C-R	472287!*	3388840	GMC	473474	340-4070	STEM	HU070A
33728	C-R	412920!	337W212	C-R	413247!	338899R91	IH	473231!	340-4075	STEM	H075
33728M1	C-R	412920!	337W212-M1	C-R	413247!	338904R91	IH	415234!	340-4091	STEM	HU024A
3372K	FORD	410102	337W214	C-R	413478*	338F220	C-R	410708	340-4092	STEM	HU036A
3372M1	C-R	410102	337W216	C-R	470605!	338FF220-L	C-R	410708	340-4093	STEM	HU110A
33733	GARLK	416345!	337W216-M1	C-R	470605!*	338R	TIMKE	338PKG	340-4095	STEM	HU009A
33735	C-R	417191*	337W22	C-R	450343*	338YR220	C-R	410708	340-4096	STEM	HU066A
33735	C-R	455165!	337W28	C-R	412920!	3391OS	JN-MN	450193=	340-4098	STEM	HU009A
33736	C-R	417191	337W28-M1	C-R	412920!	3392	TIMKE	3392	340-4099	STEM	HU036A
33736	C-R	455165!	33807	C-R	455249!*	33929	GEM	5976S	340-4149	STEM	HU149A
3373OS	JN-MN	55301S*	3380RRR	SPG	710008	3393	TIMKE	473573	340-4249	STEM	HU110A
33740	C-R	417191	3381	UNIVE	6754S=	3393RC	SUL	415938	3400	LABEQ	415449!
33740	C-R	455165!	33812	C-R	455249!	3394	TIMKE	3394	340009	TIMKE	340009
33741	C-R	417191	33813	C-R	455249!	3394333	PEERC	473010	340009S	TIMKE	471466
33741	C-R	455165!	33816	C-R	55431=	3394345	PEERC	473228	34008	NEWPR	2465
33741	CHERY	471766!	3381858	GMC	417501	33949	DENCO	415991	340098	VICK	417600
33741	SPICE	471795	33821	C-R	416321	33949	DENCO	455146!	3400D5	WHITE	410987!
33742	CHERY	471272!	33821	CHERY	473231!	3395	NATL	352444	34010	GARLK	415035
337426N	TIMKE	337426N	3382355	GMC	415379!	3395	TIMKE	3395	340106C91	IH	415060
3374299	GMC	450332	3382355	GMC	415379	33950	DENCO	415960!	340106C91	IH	455060
33745	GARLK	415697!	33824	C-R	415025	339617	WAGMA	412861	340106C92	IH	415060
33746	C-R	417191	33825	C-R	415025*	339681	HYST	415138*=	340106C92	IH	455060
33746	C-R	455165!	33826	C-R	415025*	339814	WHITE	471553!	340107C91	IH	415351!
33747	C-R	417191	3382835	GMC	416077	3398B	JN-MN	417316!	340107C92	IH	415351!
33747	C-R	455165!	33834	C-R	415025	3398OS	JN-MN	417316!	340120	TIMKE	471224
3374775	GMC	471765!	338348R91	IH	411376!	3399	LABEQ	471760	340136	TIMKE	340136
33748	C-R	417191	338349R91	IH	411376!	339965C1	IH	5065	340141	NATL	470954!
33750	C-R	417191	338362	JAC	472397!	339B22407	TROS	415857!	340151	TIMKE	472560N
33750	C-R	456585	338366R91	IH	481073	339R	TIMKE	339PKG	340179C91	IH	370021A
337501	WHITE	471821!	33837	C-R	415025*	33E1	OTISE	455591=	340188	WHITE	417316!
33755	C-R	417191	33839	C-R	415025	33E2	OTISE	455592	34020	EATON	416865!
33756	C-R	417191	338394R91	IH	471564	33E4	OTISE	455596=	34020807.5	TROS	455080
33757	C-R	417191	33842	C-R	415025	33MAK1	OTISE	470898	340210	TIMKE	340210
33757	C-R	455165!	33843	C-R	415025	33MBP	OTISE	416107!	340211	NATL	471643!
337577	WHITE	412871!	338490R91	IH	472070	33MBP	OTISE	455073	34021607.5	TROS	415234!
33758	C-R	417191	338491R91	IH	470565=	33MCJ1	OTISE	472179	34021609.5	TROS	415234!
337619	PEERC	473228	338492R91	IH	473467=	33MHH1	OTISE	410930=	34022407	TROS	410825
33763	GARLK	417366!	338493R91	IH	415995!	33X50X12SC	TRSCM	33X50X12!	34022411.25	TROS	410825
3376315	GMC	417497	338494R91	IH	412473!	33X50X12TC	TRSCM	33X50X12!	34022805.75	TROS	3210
337647	PEERC	471766!	338495R91	IH	415379=	33X52X6SC	TRSCM	33X52X6	34023206	TROS	416273
33768	GEM	471267!	338496R91	IH	415458=	33X52X6TC	TRSCM	33X52X6	34023207.5	TROS	416273!
33769	C-R	417191	338497R91	IH	415437!	33X52X8.5	SIMRT	33X52X8.5	34023208	TROS	416273!
33769	C-R	456585	338498R91	IH	455040N=	34	BL-KN	473243	34023607.5	TROS	415988
3376RC	SUL	417488!	338499R91	IH	455685N=	340-4002	STEM	HU019A	34024006	TROS	415458!
33771	WAYNE	50490=	3385	TIMKE	3385	340-4005	STEM	HU005A	34024007.5	TROS	415458!
337711C91	IH	456618	3385	UNIVE	417353!	340-4006	STEM	HU008A	34024008	TROS	415458!
337711C92	IH	456618	338510R91	IH	415449=	340-4007	STEM	HU007A	34024008C	TROS	415458!
33772	C-R	417354!*	338511R91	IH	415995=	340-4008	STEM	HU008A	34024011.25	TROS	415458!
33772	WAYNE	471192	338512R91	IH	417354!	340-4009	STEM	HU009A	34024012	TROS	415458!
33773	C-R	417354!*	338513R91	IH	415379=	340-4009	STEM	HW009A	34024807.5	TROS	415984!
33774	WAYNE	473211!	33853	C-R	415025	340-4011	STEM	HU011A	34024809.5	TROS	415984!
33777	C-R	417354!	338540R91	IH	415192N	340-4012	STEM	HU012A	34025	GARLK	415035
33778	C-R	417354!	338542R91	IH	5302=	340-4013	STEM	HU013A	34027	SPICE	5778
33778	SPICE	472394	338549R91	IH	416404!	340-4014	STEM	HU014A	34027-1	SPICE	5778
3377RC	SUL	417354!	338588R91	IH	476470!	340-4019	STEM	HU019A	3402RC	SUL	417191
33780	C-R	417354!	338588R91	IH	476470	340-4024	STEM	HU024A	3402RC	SUL	456585
33781	C-R	417354!	338589R91	IH	472185!	340-4025	STEM	HU036A	3402S	SPG	3402
33783	HYST	418028	338590R91	IH	470380!	340-4028	STEM	HU028A	34035	GARLK	417356!
33783	HYST	455137!	3386	IDECO	415138!	340-4029	STEM	HU028A	340356	TIMKE	340356
33784	C-R	417354!*	33860	C-R	416327	340-4031	STEM	HU031A	340364	SPG	350364
33792	C-R	417354!	33861	C-R	710235	340-4034	STEM	HU034A	340385	TIMKE	330385

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
340387	TIMKE	340387	34188	EATON	456648	343-4094	STEM	HU009A	343CS116	C-R	6922 =
340398	NATL	471267!	341986	R91 IH	5347 * =	343-4096	STEM	HU066A	343R	TIMKE	343PKG
3404	TIMKE	3404	341R	TIMKE	341PKG	343-4098	STEM	HU110A	34400	C-R	417494
340400	TIMKE	340400	341SR-52	MACK	370001A	343-4101	STEM	HU149A	34401	C-R	417494
340412R91	IH	410708	341SR31	MACK	370021A	343-4103	STEM	HU009A	34407	C-R	455026 *
340413	TIMKE	340413	342009	SPG	472397!	343-4111	STEM	HU028A	3440VG3	SPG	415458
340413R91	IH	471504	34202	CUSH	471553!	343-4112	STEM	HU036A	34410	C-R	455026 *
340430	WHITE	450593!	342055	WHITE	471354!	343-4113	STEM	HU110A	34411	C-R	455026 *
340435	NATL	240435	34206	SPICE	8430S	343-4114	STEM	HU066A	344151	AUTOZ	12473
340435	NATL	350435	34206	VIC	8430S	343-4115	STEM	HU028A	344153	AUTOZ	16200
34046	EATON	370021A	342111	DEVIL	473229	343-4118	STEM	HU110A	344154	AUTOZ	16201
340469	TIMKE	481537	342118	WHITE	417484!	343-4121	STEM	HU066A	344155	AUTOZ	16202
340483	TIMKE	254287	342298	WHITE	410102	343-4122	STEM	HU009A	344156	AUTOZ	16203
340495	TIMKE	254270	3422OS	JN-MN	471692!	343-4124	STEM	HU024A	344157	AUTOZ	16204
340541	WHITE	474253!	342346	WHITE	471689!	343-4125	STEM	HU024A	344158	AUTOZ	16205
34055	GARLK	417357	342357	HYST	417537	343-4126	STEM	HU009A	344159	AUTOZ	16206
3405RC	SUL	471466!	34240	C-R	418029!	343-4128	STEM	HU024A	344161	AUTOZ	16208
3406	SPG	1973	34241	C-R	418029!	343-4129	STEM	HU028A	344162	AUTOZ	16209
3406	SPG	48X65X10!	34249	C-R	418029!	343-4141	STEM	HU024A	344163	AUTOZ	16210
3406RC	SUL	471466!	3424OS	JN-MN	450311	343-4146	STEM	HU065A	344164	AUTOZ	16211
340724	TIMKE	340724	34250	C-R	418029!	343-4147	STEM	HU149A	344165	AUTOZ	16212
340734	NATL	343186	342517	TIMKE	342517	343-4159	STEM	HU036A	344166	AUTOZ	16213
34075	GARLK	416130!	342518	TIMKE	342518	343-4165	STEM	HU034A	344167	AUTOZ	16214
340771	TIMKE	340771	34255	GARLK	416556!	343-4174	STEM	HU110A	344169	AUTOZ	16250
340787	TIMKE	340787	34255	GARLK	472157	343-4183	STEM	HU036A	344170	AUTOZ	16251
340797	TIMKE	340797	34256	C-R	418029 *	34300	C-R	417492	344171	AUTOZ	16252
340815	TIMKE	340815	34256	C-R	418029!	34301	C-R	417492	344172	AUTOZ	16253
340817	TIMKE	340817	342613	TIMKE	342613	34302	GARLK	416135!	344173	AUTOZ	16254
34082	EATON	6532S =	342637	WHITE	415041	34304	DENCO	470625!	344174	AUTOZ	16255
340823	TIMKE	340823	34266	C-R	418029!	343098	TIMKE	343098	344175	AUTOZ	16256
340826	TIMKE	340826	34270	LEECE	473238	343099	TIMKE	253099	344177	AUTOZ	16257
340827	TIMKE	340827	34275	GARLK	415196!	343101	TIMKE	343101	344178	AUTOZ	16258
340835	TIMKE	340835	34276	C-R	417492	343104	TIMKE	343104	344179	AUTOZ	16259
340847	TIMKE	340847	34277	C-R	417492	343105	TIMKE	343105	344180	AUTOZ	16260
340849	TIMKE	340849	34279	C-R	417492	343123	TIMKE	343123	344181	AUTOZ	16261
340850	TIMKE	340850	3427RC	SUL	470530!	34317H	DIA	471224!	344182	AUTOZ	16262
340853	TIMKE	340853	342805	TIMKE	342805	34317W	DIA	240151	344183	AUTOZ	16263
340872	TIMKE	340872	34282	C-R	417492	343185	TIMKE	343185	344185	AUTOZ	16264
340876	WHITE	417159	34283	C-R	417492	343186	TIMKE	343186	344186	AUTOZ	16265
3408RC	SUL	470712!	34284	C-R	417492	34319	SPICE	415960	344187	AUTOZ	16266
34090	EATON	6532S =	3428XA	SPG	3428	34319	VIC	415960	344188	AUTOZ	16300
340900	TIMKE	340900	34292	C-R	417492	34320H	IH	473444	344189	AUTOZ	16301
340927	TIMKE	340927	34293	C-R	417492	343229	WHITE	473464	34419	SPICE	473228
340927C91	IH	415085!	34294	CHERY	473245!	343229	WHITE	473464!	34419	VIC	473228
340927C91	IH	456648	34295	CHERY	455151	34325	C-R	417492	344190	AUTOZ	16302
340928C91	IH	455008	34297	GARLK	416891!	3432691	CHRYSS	5124	344191	AUTOZ	16303
340929C91	IH	415437	342R	TIMKE	342PKG	34336	C-R	417493 *	344192	SPICE	473228
340929C91	IH	415437!	343-4009	STEM	HU009A	34338	C-R	417493!	344193	AUTOZ	16304
340930	TIMKE	340930	343-4009	STEM	HWF009A	3433B	JN-MN	472179	344194	AUTOZ	16305
340980SSR	SPG	340980	343-4011	STEM	HU011A	34341	C-R	417493	344195	AUTOZ	16306
340A16006	TROS	6074	343-4012	STEM	HU012A	34342	C-R	455026	344196	AUTOZ	16307
340D2	WHITE	6638S	343-4013	STEM	HU013A	343499	WHITE	471549!	344197	AUTOZ	16308
340D4	WHITE	472636!	343-4014	STEM	HU014A	343500	WHITE	471137	344198	AUTOZ	16309
340R	TIMKE	340PKG	343-4019	STEM	HU019A	343539R91	IH	471224!	344199	AUTOZ	16310
341022	TIMKE	341022	343-4022	STEM	HU019A	343548R91	IH	471255!	3441VG1	SPG	416921
341079C91	IH	415137!	343-4024	STEM	HU024A	34364	C-R	417493	344201	AUTOZ	16311
341079C91	IH	418028	343-4025	STEM	HU036A	34370	C-R	455858	344202	AUTOZ	16312
3411035	WOOL	473473	343-4028	STEM	HU028A	343715R91	IH	471692!	34422	C-R	455026
34115	C-R	228700	343-4029	STEM	HU028A	34383	C-R	455858 *	344278	GMC	473204
34116	C-R	710219	343-4031	STEM	HU031A	34384	C-R	370037A	34438	C-R	455471 *
3411WA	OSHKO	55353	343-4034	STEM	HU034A	34385	C-R	455858	34445	C-R	455471 *
34120	C-R	228700	343-4036	STEM	HU036A	34386	C-R	370047A	34449	CASE	471570!
341293	WAGMA	416112	343-4042	STEM	HU042A	343861	PEERC	470328	3444E	GOODM	415196!
3414	EATON	50075 =	343-4050	STEM	HU066A	343861	PEERC	481213!	344508XX	TIMKE	34X45X8
3415	EATON	473215!	343-4057	STEM	HU057A	343862	PEERC	472311!	344531C91	IH	472397!
3416	EATON	470059	343-4058	STEM	HU058A	34387	C-R	370047A	34455	GARLK	416888!
3416	EATON	470380!	343-4065	STEM	HU065A	34387	C-R	5649	34470	C-R	455472 =
3417	EATON	411253!	343-4066	STEM	HU066A	343899	AUTOZ	13367	34474SA	TRSCM	455858
341707	WHITE	470898!	343-4075	STEM	H075	3438N	WMG	471766!	34475	GARLK	416153!
3418494	CHRYSS	3103!	343-4091	STEM	HU024A	3438R	SPG	471766 =	3447S	SPG	3447
3418495	CHRYSS	3103!	343-4092	STEM	HU036A	34398	C-R	417494 *	3447SAR	SPG	6815
34188	EATON	415085!	343-4093	STEM	HU110A	3439R	SPG	3439N =	344867	GUY	471224!

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3448OS	JN-MN	416271!	347913R1	IH	JX1002=	34886	C-R	455146!	34980	C-R	370132A
34498	GARLK	416892!	347913R91	IH	JX1002=	34887	C-R	415991*	34982	C-R	417196!
3449B	JN-MN	416654!	347R	TIMKE	347PKG	34888	C-R	415991	34983	C-R	417196!
344G28	C-R	41075S	347W212	C-R	410987!	34888	C-R	455146!	34985	C-R	417196!*
344R	TIMKE	344PKG	348-X414	C-R	5965	34889	C-R	415146!	34985	VIC	417196!
344RC	SUL	455032!	3480	DICO	204020	34889	C-R	415991	34990	C-R	417196!
345035	TIMKE	345035	3480	DICO	204505!	34890	C-R	5965	34991	C-R	417196!
345146	TIMKE	345146	34820	HYST	415007	34891	C-R	415991!	34992	C-R	417196!
345208A	HARWA	34X52X8	348212	C-R	410987!	34891	C-R	415991	34993	C-R	417196!
345208XX	TIMKE	34X52X8	348212M1	C-R	410987!	34892	C-R	415991* =	34994	C-R	370132A
345303	WHITE	45637S	348214	C-R	450104	34893	C-R	415991	34995	C-R	417196!
34531	WAYNE	473244	348214M1	C-R	450104	34893	C-R	455146!	34996	C-R	2055
345327	WHITE	473215!	348218	C-R	413479	34895	C-R	415991	34999	C-R	415437
34539	HYST	416158	348218M1	C-R	413479	34895	C-R	455146!	349A216	C-R	415449!
345409XX	TIMKE	34X54X9	348219	C-R	411330!	34896	C-R	415991	349AM216	C-R	415449!
345448	TIMKE	345448	348219L	C-R	411330!	34896	C-R	455146!	349AMM216	C-R	415449!
3455	NATEN	417546!	348220	C-R	450412	34897	C-R	415991	349B216	C-R	415449!
345509XX	TIMKE	34X55X9	348220M1	C-R	450412	34897	C-R	415991!	349BM212	C-R	416271!*
3455B	JN-MN	415991	34823208	TROS	455079!	34899	C-R	415146!	349BMZ216	C-R	415449!
3455B	JN-MN	455146!	34823608	TROS	417481	34899	C-R	415991	349E216	C-R	415449!
3458S	GIB	473235!	34824008	TROS	417343!	348R	TIMKE	348PKG	349M212-L	C-R	416271!*
3459952	CHRYSL	370001A	34824308	TROS	7780	348W212	C-R	410987!	349R	TIMKE	349PKG
3459952	CHRYSL	380001A	34824408	TROS	455151	348W212-M1	C-R	410987!	349W212	C-R	410987!
3459S	GIB	471870!	34824804	TROS	46997S	348W214	C-R	450104	349W212	C-R	450686
3459S	TIMKE	3459	34824808	TROS	417316!	348W218	C-R	413479	34X45X8SC	TRSCM	34X45X8
345R	TIMKE	345PKG	34824810.25	TROS	417316!	348W220	C-R	450412	34X45X8TC	TRSCM	34X45X8
34610	C-R	3772	34824812	TROS	417316!	348W28	C-R	455136	34X52X8	SIMRT	34X52X8
34610	C-R	5287	34825208	TROS	455005	348W28-M1	C-R	455136	34X52X8SC	TRSCM	34X52X8
34611	C-R	3772	34825608	TROS	471344	34900	C-R	415991	34X52X8TC	TRSCM	34X52X8
34611	SPICE	442380	34825610	TROS	417344!	34900	C-R	455146!	34X54X9SC	TRSCM	34X54X9
34612	SPICE	416273!	34825610.25	TROS	417344!	34903	C-R	415991	34X54X9TC	TRSCM	34X54X9
34612	VIC	416273!	34825616	TROS	417344!	34903	C-R	455146!	34X55X9SC	TRSCM	34X55X9
34615	SPICE	9316	34826008	TROS	416956	34904	C-R	415146!	34X55X9TC	TRSCM	34X55X9
3461793	GMC	4175	34828	C-R	455136	34904	C-R	415991	34X62X10	SIMRT	34X62X10!
3461895	CHRYSL	6960	34828M1	C-R	455136	34906	C-R	415991	34X62X10SC	TRSCM	34X62X10!
34620	C-R	88X110X12	34830006	TROS	417349!	34907	C-R	415991	34X62X10TC	TRSCM	34X62X10!
346210A	HARWA	34X62X10!	34830008	TROS	417349	34907	C-R	455146!	35	BL-KN	413246
346210XX	TIMKE	34X62X10	34834	C-R	455858	34908	C-R	415991!	3500	GEM	323138!
34623	C-R	88X110X12!	34835	C-R	710029	34908	C-R	415991	35000	C-R	380001A
34625	GARLK	415138!	34844	C-R	45525S	34909	C-R	415991	35000	C-R	415437
34631	CATER	471765!	34848	C-R	446927!	34909	C-R	455146!	35001	SPG	415001!
34631	TMTR	471765!	34848	C-R	45525S	34912	C-R	415991	35003S	SPG	415458!
34634	GEM	240356	34857	C-R	418029!	3491250	CHRYSL	323126	3500495	WHITE	450400
34645	GARLK	417247!	34860	C-R	416624!*	3491349	CHRYSL	PSK-1	35006	SPG	417344!
34650	C-R	55309=	34861	C-R	416624!*	34918	C-R	415991	35009N	NATL	415960!
34650	C-R	88X115X12!	34862	C-R	416624!	34918	C-R	455146!	35010	C-R	415437*
346738R91	IH	100494	34863	C-R	416624!	34919	C-R	415991	35011	C-R	415437!
346738R91	IH	476470!	34864	C-R	55309* =	34919	C-R	455146!	35011	C-R	415437
346812R91	IH	471692!	34865	C-R	416624!*	34925	C-R	415991!	35011	SPG	416921!
346FF2-L	C-R	8139	34866	C-R	416624* =	34925	C-R	415991	350112	C-R	455292=
346R	TIMKE	346PKG	34866	SPICE	416624=	349295C1	IH	456744N	35012	C-R	415437*
34700	C-R	2055	34867	C-R	416624!*	3492V	SPG	3492	35012N	NATL	416654
347122R2	IH	JV1976=	34867	SPICE	416624!	3492V	TIMKE	3492V	35013	C-R	476424N
347150C91	IH	417365	34868	C-R	416624!*	34931	C-R	415146!	350140	NATL	471413!
34718	EATON	470565!	34869	C-R	416624!*	34931	C-R	415991	35015	C-R	415437
347224	C-R	480491*	34871	C-R	55309* =	34934	C-R	415991	350156	TIMKE	350156
347235R91	IH	471785!	34872	C-R	416624!	34934	C-R	415991!	35016	C-R	476424N
347245R91	IH	471785!	34874	C-R	416624!	34945	C-R	415991=	35016N	SPG	416288
34739	WAYNE	471787!	34875	C-R	416624!	34955	C-R	345146*	35017	C-R	415437*
34744	WAYNE	471553!	34876	C-R	416624!	3496234	CHRYSL	470954	35018	C-R	415437*
347451	GMC	473313!	34877	C-R	416624!	3496557	CHRYSL	417158!	35019	C-R	415437
347497	WHITE	471267!	34878	C-R	415899N	34967	C-R	345146	3501V	SPG	3501V
347568R91	IH	473239!	34878	C-R	416624	34968	SPICE	473229!	35020	C-R	415437*
347569R91	IH	473239!	3488	CR-CF	411253!	34971	C-R	370131A	350203	NATL	481443!
347570R91	IH	415138!	3488	MURPH	473446	34972	C-R	370132A	35021	C-R	415437
347583R91	IH	415234!	34883	C-R	415991* =	34973	C-R	415991	350210	C-R	416444
347652R91	IH	417487!	34884	C-R	415899N	34973	C-R	455146!	350210M1	C-R	416444
347652R91	IH	417487	34884	C-R	416624	34974	C-R	415991	350212	C-R	416271!
3476S	TIMKE	3476	348848C91	IH	473228	34974	C-R	455146!	350212	GR-DV	416271!
347804R91	IH	415138!	348849C91	IH	9316	3497490	CHRYSL	453510	350212M1	C-R	416271!
347841R1	IH	JX1136	34885	C-R	9339S	34975	C-R	370132A	350212Q6	C-R	416271!
347842R1	IH	JX1190	34886	C-R	415991	34978	C-R	417196!	350214	C-R	411245!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
350214	CABOT	411245!	350539	ADAMS	470380!	350892R91 IH	471267!
350214	GR-DV	411245!	350539	LETN	470059	3509 GEM	471271!
350214M1	C-R	411245!	350539	LETN	470380!	3509 ROSS	471271!
350215	NATL	471646!	350539	WABCO	470059	350902 SPG	471765!
350216	ALLCH	415449!	350539	WABCO	470380!	350909 TIMKE	350909
350216	C-R	415449!	350543	SPG	474272	350918 NATL	473241
350216	CABOT	415991	3505509	GMC	5756	35092 C-R	415027
350216	CABOT	455146!	350567	TIMKE	471267	350936 TIMKE	350936
350216	CLARK	415449!	350567C91 IH	473228!	350936N WMG	350936	350936
350216	GR-DV	415449!	35057 C-R	417198	35094 C-R	417495	351264 SPG
350216K	GOODM	415449!	350570	WHITE	416654	35095 C-R	417495
350216M1	C-R	415449!	350572	TIMKE	350572	350954 TIMKE	470954
350218	C-R	415302	35058 C-R	376590A	416271!	35095S SPG	416271!
350218	CLARK	415302	35059 C-R	370001A	415559*	35096 C-R	415559*
350218M1	C-R	415302	35059 C-R	380001A	350974	350974 NATL	350974
35022 C-R	415437	3506 IRON	330385!	350974	350974	350974 TIMKE	350974
350220	C-R	415483!	3506 UNIVE	455037	35098 C-R	6612S*	35130 C-R
350220M1	C-R	415483!	35060 C-R	455022	350983 NATL	472179	35130 GARLK
350220T8	C-R	415483!	35060+455004 C-R	380001A	35099 C-R	415559	351315 NATL
350222	C-R	455434	350609	TIMKE	350609	350A216 C-R	415449!
350224	C-R	416664!	350612VD	SPG	224026	350AMM216 C-R	415449!
350224M1	C-R	416664!	35062 C-R	370001A	350AMM216-Q6 C-R	415449!	35137S SPG
35023 C-R	415437	35062 C-R	6638S	416271!*	350B212 C-R	416271!*	35137S SPG
350230	SPG	471689!	35064 C-R	417198	350B216 C-R	415449!	3513SSR SPG
35028 C-R	411376!	350645	ADAMS	412119!	350B218 C-R	415449!	3513SSO SPG
35028	HYST	55309=	350645	LETN	412119!	350BM212 C-R	416271!*
35028M1	C-R	411376!	35065 C-R	417196!	350C28 C-R	411376!	3513VJ0 SPG
35029 C-R	415437*	35066 C-R	370001A	415449!	350CHA216 C-R	415449!	351442 NATL
35029	C-R	415437!	35066 C-R	380001A	350F212 C-R	416271!*	351466 NATL
35029	HYST	417181!	350679	TIMKE	470954	350F216 C-R	415449!
35030	C-R	415437	350679R91 IH	6312	350FM212 C-R	416271!*	351466 SPG
35030	C-R	415437!	35069 C-R	6638S	350FM216 C-R	415449!	35146S SPG
35030	GARLK	415725!	3507 UNIVE	416271!	350G130 C-R	45653S	351487 TIMKE
35030	HYST	417605	35070 C-R	415027	350G224 C-R	45827S	35149 SPG
350319	NATL	481163!	35070	SPG	416865!	350HD224 C-R	45827S
35033	C-R	417159	35070S	SPG	416865!	350MA216-L C-R	415449!
35034	SPG	415034!	35071 C-R	415027	350N216 C-R	415449!	3515137 CHRYS
35035	AMC	471570!	35071 C-R	415027!	350T210 C-R	416444	3515138 CHRYS
35035	SPG	415035	35071 NOK	2146	350W210 C-R	416444	351526 NATL
350355	NATL	471538!	35072 C-R	370001A	350W212 C-R	416271!	3515383 CHRYS
35036	C-R	415437	35072 C-R	380001A	350W212-M1 C-R	416271!	3515384 CHRYS
350363	NATL	473234!	350737R91 IH	472636!	350W214 C-R	411245!	351552 NATL
350364	TIMKE	350364	35075 C-R	370002A	350W214-M1 C-R	411245!	351554 NATL
350385	NATL	330385!	35075 NATL	416476!	350W216 C-R	415449!	3515569 CHRYS
350394	TIMKE	473227	35075+455011 C-R	370013A	350W216-M1 C-R	415449!	35156 SPG
3503S	SPG	3503=	35075+455011 C-R	380001A	350W216-T8 C-R	415449!	351567 NATL
35040	C-R	476424N	3507585	CHRYS	6808N	350W216-Y26 C-R	415449!
35040	GARLK	415725!	350769R91 IH	6312	350W218 C-R	415302	351570 NATL
350414	TIMKE	472311	35077 C-R	415027	350W220 C-R	415483!	351571 NATL
35042	C-R	415437*	35078 C-R	415027!	350W220-M1 C-R	415483!	35160 SPG
350435	TIMKE	350435	35078 C-R	415027	350W222 C-R	455434	35162 SPG
350435	WMG	50435	35080 C-R	415027	350W224 C-R	416664!	35164 SPG
35045	C-R	415437*	35080	GARLK	416865!	350W28 C-R	411376!
3504679	GMC	6064	35082 C-R	415027!	350W28-M1 C-R	411376!	351689 NATL
350476	ADAMS	471750!	35082 C-R	415027	350W525 CONE	5551	3517 NATL
35048	C-R	415437!	350822R91 IH	6180=	350YM216 C-R	415449!	351760 NATL
35048	C-R	415437	350823	TIMKE	473454	35100 C-R	415559
35049	C-R	415437!	35083 C-R	415027*	35101N	SPG	416282
35049	C-R	415437	35084 C-R	415027!	35102 C-R	370001A	35101N
350493	WHITE	450400	35084 C-R	415027	35102 C-R	380001A	351028
350502	ADAMS	455151	35085 C-R	415027	351028	TIMKE	351028
350502	LETN	455151	35085 C-R	415027!	35103 C-R	370001A	35103 C-R
350503	ADAMS	472439	35086 C-R	417495*	35106 C-R	415559*	35106 C-R
350504	ADAMS	471224!	35086N	SPG	417487	35107 C-R	417496
350504	LETN	471224!	35086N	SPG	417487	35109 C-R	417496
350504	WABCO	471224!	35087 C-R	415027	3511035 C-W	415449!	35109 C-R
350509	NATL	15X25X7	35087 C-R	415027!	3511035	WOOL	415449!
35051	SPG	415371	350877	TIMKE	350877	351108R1 IH	413469!
350535	ADAMS	417316!	350878	SPG	473424!	351108R91 IH	413469!
350535	LETN	417316!	35089 C-R	415027	455396	35111 C-R	455396
350537	WHITE	476838!	35089 C-R	415027!	470898	351113	RELEE
350539	ADAMS	470059	350891R91 IH	472560N!	6245S=	35112 C-R	6245S=

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
352270A	CHRYSLER	3540RC	SUL	354BM224	C-R	35622407.5	TROS
352311	SPG	3540RC	SUL	354N216	C-R	35623207.5	TROS
35234S	SPG	35410	C-R	354TL215	C-R	35624007.5	TROS
352352	NATL	35411	C-R	354W210	C-R	35624407.5	TROS
352354	TIMKE	354115	RELEE	354W212	C-R	35624807	TROS
35236	HYST	354116	C-R	354W212-M1	C-R	35624807.5	TROS
352369	HYST	35412	C-R	354W214	C-R	35624807C	TROS
35239	SPICE	354124	C-R	354W214-M1	C-R	35624808	TROS
35239	VIC	354124M1	C-R	354W216	C-R	35624810	TROS
352407	WHITE	35412VB	TRSCM	354W216-M1	C-R	35624812	TROS
352412	WHITE	35413	C-R	354W218	C-R	35625207.5	TROS
352444	TIMKE	354130	C-R	354W224	C-R	356408XX	TIMKE
352477C91	IH	35414	C-R	3550	C-R	35645	HYST
352488	GMC	354176C91	IH	355007XX	TIMKE	35647	DENCO
352521	TIMKE	3542	C-R	355008XX	TIMKE	35648	C-R
352541	MERCM	35420	C-R	355067	RELEE	35649	C-R
352541	TIMKE	35421	C-R	355082	NATL	35649	DENCO
35256	SPICE	354210	C-R	355095	SPG	35650	DENCO
352560	TIMKE	354212	C-R	35510	FI-CO	35650	GARLK
352637	TIMKE	354212M1	C-R	35511	FI-CO	356502R91	IH
35266	DENCO	354214	C-R	35511	SPICE	356503R91	IH
35266	DENCO	354214	SUL	35511	VIC	356508XX	TIMKE
35272	SPG	354214M1	C-R	35512	SPICE	356510XX	TIMKE
352847	MANT	354216	C-R	35512	VIC	35658	DENCO
352847	MANT	354216K	FAIRB	355121	VIC	3566	GMC
352998	NATL	354218	C-R	355131R91	IH	35675	C-R
3530	UNIVE	354220M1	C-R	35514TA	TRSCM	35676	C-R
35304	WAYNE	354224	C-R	355200	TIMKE	35680	GARLK
353052	RELEE	354224M1	C-R	355207XX	TIMKE	356806A	HARWA
353079X1	MASSE	35426M1	C-R	355208XX	TIMKE	35688	C-R
353085	RELEE	35429	SPICE	3553	GEM	356887R91	IH
35310	GARLK	35429	VIC	3553	TIMKE	35689	C-R
35311	SPICE	3543	TIMKE	355305	NATL	356923	NATL
35311-1	SPICE	35430	C-R	355305	NATL	356923	NATL
353120	TIMKE	354309	WHITE	355408XX	TIMKE	35693	TROS
353128	NATL	354309	WHITE	35544	SHOV	35697	SPICE
353128	NATL	35431	C-R	355488	GMC	356RC	SUL
35313	SPICE	354316	WHITE	3554B	JN-MN	356W525	CONE
35313-4	SPICE	35432	C-R	355508XX	TIMKE	357	IDECO
353131	TIMKE	35437	SPG	355511XX	TIMKE	357-501-641-B	VW
353132	TIMKE	3543A	HERCU	355526	NATL	357008XX	TIMKE
353135	TIMKE	3543D5	WHITE	355526	TIMKE	357037R91	IH
353136	NATL	35440	C-R	35555	C-R	35705	C-R
353137	TIMKE	35440	C-R	35556	C-R	35710	GARLK
353138	NATL	35440	C-R	355608XX	TIMKE	35716	C-R
353141	TIMKE	35448	GMC	355610XX	TIMKE	357203R91	IH
353183R91	IH	3545	C-R	35562	C-R	357210XX	TIMKE
353188	NATL	35450	C-R	355660H	TIMKE	35722	ALLCH
353193	NATL	35450	GARLK	355660HA	SPG	35723	SPICE
353224M1	C-R	354507XX	TIMKE	355669	TIMKE	35724	SPICE
35322S	SPG	354514R91	IH	35568	C-R	35724	VIC
35347	WHITE	35451D	IH	35569	SPG	35725	SPICE
35347S	SPG	35454PTA	TRSCM	3556B	JN-MN	35725V	SPICE
35348N	SPG	35454PTA	TRSCM	3556LUP	JN-MN	35731	CATER
35350	GARLK	35455	C-R	355732	TIMKE	35738	HYST
35354	C-R	35455	C-R	355810A	HARWA	3574	DICO
35354S	SPG	354598R91	IH	355810XX	TIMKE	357424	SUL
3535A	JOHND	35460	TROS	355821	NATL	3575	UNIVE
353716RB	SPG	35465	C-R	355851	WHITE	35750	C-R
353716RX	SPG	3546D	GOODM	35589	C-R	3575V	SPG
35374D	IH	3546E	GOODM	35592	C-R	357672R91	IH
35380S	SPG	354707XX	TIMKE	35593	C-R	3577303	CHRYSLER
3539RC	SUL	35474TA	TRSCM	355G212	C-R	3577305	CHRYSLER
3540	C-R	354808XX	TIMKE	355HC26-L	C-R	357769R91	IH
35400	GARLK	3549392	CHRYSLER	3560	C-R	357770R91	IH
354040	TIMKE	3549393	CHRYSLER	356010A	HARWA	357773R91	IH
354041	TIMKE	3549394	CHRYSLER	356010XX	TIMKE	357774R91	IH
35405	C-R	3549395	CHRYSLER	3560459	HYST	3577B	JN-MN
35407	C-R	35494SA	TRSCM	35608	HYST	357820	SPG
35409	C-R	35498S	SPG	35620	GARLK	357830C91	IH
35409	C-R	354B216	C-R	356207XX	TIMKE	3578447	CHRYSLER
35409S	PETTI	354B224	C-R	356210XX	TIMKE	357928R91	IH

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357937R91	IH	410059	358821R91	IH	471649!	3597B	JN-MN	472492!	35X60X10TC	TRSCM	35X60X10!
357937R91	IH	470380!	358822R91	IH	472439	359813R91	IH	450869	35X62X10SC	TRSCM	35X62X10
357966R91	IH	416380!	358823R91	IH	473367	35986	CONTI	416956	35X62X10TC	TRSCM	35X62X10
357967R91	IH	473238	358824R91	IH	473421	3598F	OSHO	471766!	35X62X7SC	TRSCM	35X62X7!
357968R91	IH	471442!	358825R91	IH	472924	359917C91	IH	370001A	35X62X7TC	TRSCM	35X62X7!
357969R91	IH	417344!	358826R91	IH	411394!	359917C91	IH	6638S	35X62X8SB	TRSCM	35X62X7!
357970R91	IH	471192	358827R91	IH	418029!	359919C1	IH	JX1125	35X62X9SC	TRSCM	1955
357971R91	IH	472016	358828R91	IH	455500	359919C1	ROCKW	JX1125	35X64X8SC	TRSCM	35X64X8!
357972R91	IH	410708	358829R91	IH	455005	35992	CONTI	455079!	35X64X8TC	TRSCM	35X64X8!
357973R91	IH	410059	358830R91	IH	456105	359922C91	NAVST	370048A	35X65X10SC	TRSCM	35X65X10!
357973R91	IH	470380!	358832R91	IH	474279N	359922C91	NAVST	380048A	35X65X10TC	TRSCM	35X65X10!
357974R91	IH	415196!	358833R91	IH	6312	359926C92	IH	370023A	35X65X8ASN(32)	ISP	35X65X8
357975R91	IH	417344!	358834R91	IH	6180=	359926C92	IH	456873=	35X68X10	FORSH	35X68X10!
357976R91	IH	471192	358836R91	IH	472560N!	359927C1	IH	JX1128	35X70X8SC	TRSCM	35X70X8
357977R91	IH	410708	358837R91	IH	471267!	359928C92	IH	415064	35X70X8TC	TRSCM	35X70X8
357978R91	IH	410059	358838R91	IH	471765!	359951R92	IH	473517!	35X72X10SC	TRSCM	35X72X10
357978R91	IH	470380!	358839R91	IH	470625!	359952R91	IH	473517!	35X72X10TC	TRSCM	35X72X10
35799	CATER	471737	35886	HYST	472179	359952R92	IH	473517!	35X72X8AS	ISP	35X72X8
357C47	NATL	357	358873R91	IH	452222!	359D6	WHITE	5473	35X80X8SC	TRSCM	35X80X8
357R	TIMKE	357PK57	358896R91	IH	472636!	359W212	C-R	415857	35X80X8TC	TRSCM	35X80X8
358008XX	TIMKE	35X80X8	3588R	JN-MN	416888!	35A10019	MINNM	472258!	36	BL-KN	415988
358019	WHITE	415995!	35890	GARLK	417363	35A12244	WHITE	417254	36005	C-R	229210
358020	WHITE	417181!	358922C91	IH	415960	35A1803	WHITE	6542=	36006J	DIA	412943
3580723	CHRY	5121	358981	WHITE	416288!	35A2190	MINNM	473441	36006M	DIA	411500
3580975	CHRY	6815	359042R91	IH	471224!	35A3596	MINNM	471224!	360076R92	IH	476838!
35810	C-R	9584	35905	C-R	5279	35A4130	MINNM	471224!	36013	C-R	92X120X13!
358228	WHITE	471141!	35905	C-R	710056	35A4130	WHITE	471224!	360135R91	IH	470059
35828	HYST	416654!	359051R91	IH	473215!	35A4130EXP	MINNM	471224!	360135R91	IH	470380!
3583	WOODB	471766!	359056R91	IH	470380!	35A4461	MINNM	415458!	360136R91	IH	415458!
3583S	TIMKE	3583	35908F	DIA	5408	35A5174	MINNM	365008	360137R91	IH	471567!
35850	GARLK	417362!	35909F	DIA	5408	35A5174	WHITE	365008	36015	C-R	92X120X13!*
358765R91	IH	473367!	3590R	SPG	3590	35A6303	MINNM	6668S	3601B	JN-MN	455117*
358765R91	IH	473367	3591	TIMKE	3591	35A6404	MINNM	327303!	360251R91	IH	415001!
358766R91	IH	471750!	35910	C-R	710056	35A8008	MINNM	471442!	360252R91	IH	416444
358767R91	IH	473467	35910	GARLK	416666	35A8008	WHITE	471442!	360253R91	IH	473232
358768R91	IH	416738!	359126R91	IH	473459	35A8629	WHITE	476470	360254R91	IH	471570!
358768R91	IH	450096	359126R93	IH	473459	35H021	SHOV	474276!	360255R91	IH	470898
358769R91	IH	200640	359126R94	IH	473459	35H027	SHOV	474276!	36030	GARLK	417365
358770R91	IH	415001!	359167	GMC	3698	35P129	WHITE	45825S	36030400	WHITE	473237!
358772R91	IH	473214	3591B	JN-MN	472157!	35P2744	WHITE	472258!	360304B	HERCU	473237!
358774R91	IH	412119!	3591B	JN-MN	472157!	35P613	MINNM	470898=	360306B	HERCU	475996H=
358775R91	IH	471765!	3592	TIMKE	3592	35P613	WHITE	470898=	360374R91	IH	471466!
358777R91	IH	416444	35925	GARLK	417364	35X45X7SC	TRSCM	35X45X7	360375R91	IH	472924!
358780R91	IH	417316!	359257R91	IH	471224!	35X45X7TC	TRSCM	35X45X7	360388R91	IH	450869
358783R91	IH	472439	359303R91	IH	471567!	35X47X7SC	TRSCM	35X47X7	3604	TIMKE	3604
358784R91	IH	473367	359309R91	IH	471567!	35X47X7TC	TRSCM	35X47X7	360436R91	IH	473215!
358785R91	IH	473421	35936	SPG	8996S!	35X48X8AS	ISP	714436	360438R91	IH	450869
358787R91	IH	472924	35938	SPICE	2146	35X48X8SC	TRSCM	35X48X8!	360440R91	IH	416654!
358790R91	IH	473010!	35938	VIC	2146	35X48X8TC	TRSCM	35X48X8!	360440R92	IH	416654!
358791R91	IH	411394!	35938-1	SPICE	2146	35X50X7AN	ISP	35X50X7	360457R91	IH	417316!
358794R91	IH	455005	3593B	JN-MN	455576!	35X50X8	CEW	35X50X8!	3604B	JN-MN	455462*
358795R91	IH	456105	359419	WHITE	471759	35X50X8SC	TRSCM	35X50X8!	36050	GARLK	415072
358798R91	IH	6312	359448R91	IH	473215!	35X50X8TC	TRSCM	35X50X8!	360507	WHITE	410694!
358799R91	IH	6180=	359449R91	IH	470380!	35X52X7AN	ISP	35X52X7	3606	TIMKE	3606
358801R91	IH	472560N!	35947	DENCO	471466!	35X52X8SC	TRSCM	35X52X8!	36060	VICK	6590S
358802R91	IH	471267!	359496	WHITE	416288	35X52X8TB	TRSCM	35X52X8!	360662R91	IH	417350!
358803R91	IH	413469!	359497	WHITE	416288!	35X52X8TC	TRSCM	35X52X8!	360692R91	IH	472924!
358804R91	IH	471765!	35949N	TIMKE	416500	35X54X8SC	TRSCM	35X54X8!	360693R91	IH	410737!
358805R91	IH	471570!	3594S	SPG	3594=	35X54X8TC	TRSCM	35X54X8!	360694R91	IH	473459
358806R91	IH	450048	359506R91	IH	470380!	35X55X11SC	TRSCM	35X55X11	360694R92	IH	473459
358807R91	IH	473213!	359547	GMC	2440	35X55X11TC	TRSCM	35X55X11	3607	NATL	3907
358808R91	IH	473367!	359559R91	IH	470380!	35X55X8SC	TRSCM	35X55X8!	3607CA1	SPG	3607
358808R91	IH	473367	359588R91	IH	471567!	35X55X8TC	TRSCM	35X55X8!	3608RC	SUL	471866!
358809R91	IH	471750!	3596	CHAMP	415991	35X56X10SC	TRSCM	35X56X10!	3609	NATL	1962
358810R91	IH	473467	3597	CHAMP	417366!	35X56X10TC	TRSCM	35X56X10!	360964R92	IH	473459
358812R91	IH	473214	359786R91	IH	416738!	35X56X8AN(35)	ISP	35X56X8	3609CA1	SPG	3609
358813R91	IH	452222!	359786R91	IH	450096	35X58X10	SIMRT	35X58X10	360A26010	TROS	416500
358814R91	IH	412119!	359787R91	IH	473419	35X58X10SC	TRSCM	35X58X10	360FF130-L	C-R	6074
358815R91	IH	471765!	359788R91	IH	200640	35X58X10TC	TRSCM	35X58X10	360HC28-L	C-R	3095
358817R91	IH	200600	359789R91	IH	470059	35X60X10	FORSH	35X60X10!	36101	TROS	5756
358818R91	IH	80313	359789R91	IH	470380!	35X60X10	SIMRT	35X60X10!	361017	LILIS	471192
358819R91	IH	417316!	359790R91	IH	472179	35X60X10SC	TRSCM	35X60X10!	361025R91	IH	473161!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
361049R91 IH		410737!	362220 C-R		415458!	362W224 C-R		415984!*	36382 C-R		417499*
36106 WAYNE		470596	362220 GR-DV		415458!	362W224-M1 C-R		415984!*	363821R91 IH		472439
3610RC SUL		417073	362220K SUL		415458!	362W228 C-R		415303!*	36383 C-R		370012A
3611035 WOOL		418028	362220M1 C-R		415458!	362W26 C-R		415350*	36383 C-R		380023A
3611035 WOOL		455137!	362224 C-R		415984!*	362W28 C-R		415234!*	36385 C-R		415832
361165 GMC		9613S	362224M1 C-R		415984!*	362W475 CONE		5167	36386 C-R		415832
361170 HYST		455144	362228 C-R		415303!*	363 IDECO		415035	36387 C-R		417499
36120 C-R		39882	362228M1 C-R		415303!*	363 IDECO		415035!	36388 C-R		417499
361248R91 IH		416654!	36223 C-R		415937!	3630051 GMC		473179!	36389 C-R		417500
361248R92 IH		416654!	36224 C-R		455080*	36304 C-R		417355!	36390 C-R		455436=
361261 WHITE		50631	36226 C-R		415350*	36304 C-R		485497	36391 C-R		415832!*
36128 C-R		415234!	36227 C-R		415937!	36305 C-R		417355!	363G214 C-R		3210
36124 JN-MN		472354!	362272C91 IH		471466!	36305 C-R		485497	363R224-Y12 C-R		5951
36140 TROS		473450!	36228 BUC-E		415234!	3630681 CUMMI		39701	363SH15 MACK		350942
36145 C-R		3909	36228 C-R		415234!*	36309 C-R		417355!	363SH47 MACK		472636!
36145 C-R		5277	36229 C-R		415937!	36309F DIA		472924!	36408 OLIVE		415995!
36146 C-R		3909	3622S TIMKE		3583	36310 C-R		417355!	3643184 CHRYS		322353
36147 C-R		3909	36230 C-R		415937!	36314 C-R		417355!	3643321 CHRYS		7188S
36155 C-R		417698	36231 C-R		415937!	36314 C-R		485497*	36433VTB TRSCM		456744N
36156 C-R		456744N	36232 C-R		415937!	36315 C-R		417355!	364341 SPICE		471141!
36157 C-R		417698	36233 C-R		415937!	363157R91 IH		415027!	364341 VIC		471141!
36158 C-R		456744N	36234 C-R		415937!	363157R91 IH		415027	364468R91 IH		471224!
36161 C-R		456744N	362398R91 IH		417247!	36320 C-R		417355!	364469R91 IH		471750!
361648 GMC		483488	362399R91 IH		470530!	36321 C-R		417158=	364470R91 IH		470059
36166 C-R		415389*	3623B JN-MN		416664!	36321 C-R		417158	364470R91 IH		470380!
36174 C-R		416332!	3623RC SUL		415066	36322 C-R		417355!	364471R91 IH		476838!
361746 GMC		3357	3623VG3 SPG		416654=	36323 C-R		417158	364472R91 IH		473215!
36175 C-R		416332!	362400R91 IH		415066	36323 C-R		417158=	364473R91 IH		476838!
361750 GMC		3348	362401R91 IH		417316!	3633416 CHRYS		323138!	364474R91 IH		470059
36177 C-R		416332*	362402 SPICE		415458!	3633518 GMC		2043	364474R91 IH		470380!
36177 C-R		416332!	362402 VIC		415458!	363374C91 IH		482267	364475R91 IH		471750!
36178 C-R		416332!	362402R91 IH		416339	3633CA SPG		3633	364476R91 IH		471224!
36179 C-R		487397V	362402R91 IH		455031!	3633CA SPG		8871	364477R91 IH		473215!
3618 C-R		340827	362403R91 IH		410987!	36340 C-R		417355!	3644D GOODM		416888!
3618 TIMKE		472070	362404R91 IH		50075=	3634349 CHRYS		6808N	3644F GOODM		416888!
36180 C-R		416332!	362405R91 IH		410694!	36345 C-R		417355!	3645 C-R		311189*
36181 C-R		416332!	362406R91 IH		471554!	36345 C-R		485497	36454TA TRSCM		415389
36183 C-R		416332!	362407R91 IH		450084!	363511R91 IH		472924!	364561 WHITE		474278!
36184 C-R		476332N=	362408R91 IH		471750!	363512R91 IH		476470	364578 WHITE		474276!
36185 C-R		416332*	362409R91 IH		415043	363513R91 IH		450313	3645Z137 MACK		417159=
36185 C-R		416332!	362410R91 IH		416288!	363514R91 IH		470334!	36464TA TRSCM		416332!
36186 C-R		416332!	362411R91 IH		412119!	363514R92 IH		470334!	364692R91 IH		417350!
36186 C-R		416332*	362412R91 IH		474253	363514R93 IH		470334!	364707B HARWA		36X47X7
36194 C-R		416332!	362413R91 IH		240009	36352 ACF		415219	364707XX TIMKE		3622
36195 C-R		416557	362414R91 IH		471466!	36352 HYST		415219	364759 WHITE		450593!
3619687 CHRYS		17780	362420R91 IH		416288!	36355 C-R		416125!*	364800 GMC		3698
3619687 CHRYS		470354	3624S SPG		417601=	36357 C-R		370011A	364808 WHITE		472164!
361A220 C-R		415458!	3625B JN-MN		473245!*	36358 C-R		370011A	364861R91 IH		417350!
361AM220 C-R		415458!	362648 GMC		483488	36361 C-R		416125!*	36487 SPICE		470682
361AM224 C-R		415984!*	36269 C-R		415937!	36361 SPICE		722108	36487-1 SPICE		470682
361B220 C-R		415458!	362767R91 IH		413246	363615 WAGMA		473010!	364874 WHITE		415001!
361BM220 C-R		415458!	36277 SPICE		415085!	36362 C-R		416125!*	3648E GOODM		416154!
361FM220 C-R		415458!	36277 VIC		415085!	36362 SPICE		710068	364SZ101 MACK		410825
36202 C-R		255833=	36282 C-R		370012A	36363 C-R		416125!*	364SZ109 MACK		471820
36202 CUSH		6832S	36285 C-R		370012A	36364 C-R		416125!*	364SZ111 MACK		417484!
36202E CUSH		205004	36289 C-R		55353	36365 C-R		370011A	364SZ112 MACK		471267!
36202F CUSH		205004	3628B JN-MN		415035	36366 SPICE		471271!	364SZ115 MACK		5471
36208M DIA		455151	3628B JN-MN		415035!	36367 C-R		416125!	364SZ118 MACK		240414
3620B JN-MN		470625!	362A220 C-R		415458!	36368 C-R		416125!	364SZ119 MACK		415991
3620S SPG		416476=	362AM220 C-R		415458!	36369 C-R		416125!	364SZ122 MACK		471424!
362119R91 IH		470334!	362B220 C-R		415458!	36369 SPICE		416273	364SZ129 MACK		412119
362119R92 IH		470334!	362CHA220 C-R		415458!	36370 C-R		416125!	364SZ136 MACK		415960
362119R93 IH		470334!	362F220 C-R		415458!	36371 C-R		416125!	364SZ13A MACK		417181!
36220 C-R		415937!*	362F220 TRANG		415458!	363716 WHITE		5751	364SZ14 MACK		323138!
36221 C-R		200603	362FM220 C-R		415458!	36372 C-R		416125!	364SZ145 MACK		472560N!
362212 C-R		410825*	362N212 C-R		410825*	3637203 CHRYS		410496!	364SZ148 MACK		416500
362212M1 C-R		410825	362RC SUL		471766!	36374 C-R		416125!	364SZ15 MACK		473473
362216 C-R		416273!	362W216 C-R		416273!	36376 C-R		416125!	364SZ151 MACK		413469!
362216M1 C-R		416273!	362W216-M1 C-R		416273!	36377 C-R		416125!	364SZ17 MACK		472636!
362218 C-R		415988*	362W218 C-R		415988*	363771R91 IH		413246	364SZ174 MACK		472475
362218M1 C-R		415988*	362W220 C-R		415458!	36378 C-R		370002A	364SZ18 MACK		472636!
36222 C-R		455260*	362W220-M1 C-R		415458!	3638 TIMKE		3638	364SZ181 MACK		5405

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
364SZ188	MACK	365767R91	IH	36850	C-R	36X54X8SC	TRSCM
364SZ189	MACK	365808XX	TIMKE	36850F	DIA	36X54X8TC	TRSCM
364SZ24	MACK	365810A	HARWA	36851	C-R	36X56X10	SIMRT
364SZ25	MACK	365812XX	TIMKE	368621C91	IH	36X56X10SC	TRSCM
364SZ34	MACK	365874	WHITE	368629R91	IH	36X56X10TC	TRSCM
364SZ35	MACK	3659486	CLARK	3686530	GMC	36X58X10	NATL
364SZ35A	MACK	3659486	GMC	3686537	GMC	36X58X12	SIMRT
364SZ36	MACK	3659542	GMC	3686551	GMC	36X58X12SC	TRSCM
364SZ38	MACK	3660	C-R	3686563	GMC	36X58X12TC	TRSCM
364SZ40	MACK	366007XX	TIMKE	3686571	GMC	36X58X8SC	TRSCM
364SZ43	MACK	3660089	GMC	3686593	GMC	36X58X8TC	TRSCM
364SZ44	MACK	3660091	GMC	36868	GMC	36X60X7SC	TRSCM
364SZ45	MACK	366207A	HARWA	3687	C-R	36X60X7TC	TRSCM
364SZ47	MACK	366207XX	TIMKE	368723R91	IH	36X62X7	SIMRT
364SZ52	MACK	3663166	GMC	368724R91	IH	36X62X7SC	TRSCM
364SZ53	MACK	36634M	DIA	368725R91	IH	36X62X7TC	TRSCM
364SZ54	MACK	3664	US-EL	36880	C-R	36X68X10SC	TRSCM
364SZ54	MACK	36644M	DIA	368829R91	IH	36X68X10TC	TRSCM
364SZ56	MACK	3664520	GMC	3688B	JN-MN	37-463-3	SPICE
364SZ59	MACK	36649	CHRYSL	3689176	GMC	370-7005	STEM
364SZ61	MACK	36650	C-R	36895	C-R	370-7006	STEM
364SZ62	MACK	36655	C-R	36897	GMC	370-7007	STEM
364SZ66	MACK	36660	C-R	3689758	GMC	370-7007	STEM
364SZ66A	MACK	3667	TIMKE	36897C	DIA	370-7008	STEM
364SZ70	MACK	3668	C-R	36898J	DIA	370-7009	STEM
364SZ81	MACK	366810XX	TIMKE	36899R	DIA	370-7011	STEM
364SZ83	MACK	3668B	JN-MN	36899R	DIA	370-7013	STEM
364SZ84	MACK	3669	C-R	368D6	WHITE	370-7013	STEM
364SZ86	MACK	3669156	GMC	368RC	SUL	370-7013	STEM
364SZ88	MACK	3669157	GMC	368RC	SUL	370-7013	STEM
364SZ88A	MACK	36691A	C-R	36904W	DIA	370-7015	STEM
364SZ90	MACK	366937C91	IH	369072	DIA	370-7016	STEM
364SZ91	MACK	366982C91	IH	3690A	HERCU	370-7018	STEM
364SZ95	MACK	367	CHEL	3690B	JN-MN	370-7022	STEM
36500	HYST	36701A	C-R	3691B	JN-MN	370-7023	STEM
365007XX	TIMKE	3670B	JN-MN	3692B	JN-MN	370-7023	STEM
365008	TIMKE	367162R91	IH	369316R91	IH	370-7024	STEM
365046	WHITE	367163R91	IH	369317R91	IH	370-7025	STEM
36506	EATON	3671B	JN-MN	369318R91	IH	370-7031	STEM
3650633	GMC	36727	SPERY	369319R91	IH	370-7031	STEM
3651493	GMC	36727	VICK	369380R91	IH	370-7031	STEM
365207A	HARWA	3672B	JN-MN	3693B	JN-MN	370-7043	STEM
365207XX	TIMKE	3673B	JN-MN	3693B	JN-MN	370-7043	STEM
3652523	GMC	36740	C-R	36940	C-R	370-7044	STEM
365277	GMC	36740	C-R	36944	C-R	370-7044	STEM
3653	C-R	3674B	JN-MN	36945	C-R	370-7046	STEM
36531	CHRYSL	36750	C-R	36946	C-R	370-7048	STEM
36536	MALL	3675072	GMC	36949	C-R	370-7049	STEM
3653617	GMC	3675098	GMC	3694B	JN-MN	370-7055	STEM
3653618	GMC	36769J	DIA	3694T2	DIA	370-7091	STEM
3654	C-R	3677	C-R	36950	C-R	370-7095	STEM
365408XX	TIMKE	3677	TIMKE	3695B	JN-MN	370-7095	STEM
365416R91	IH	36770	C-R	3697029	GMC	370-7097	STEM
365434R91	IH	36771	C-R	3697114	GMC	370-7097	STEM
36544C	DIA	3677B	JN-MN	3697B	JN-MN	370-7098	STEM
365458	WHITE	3677CA	SPG	3698	TIMKE	370-7098	STEM
36549F	DIA	3678151	GMC	3698B	JN-MN	370-7099	STEM
365525R91	IH	367956R91	IH	3699678	CHRYSL	370-7099	STEM
365526R91	IH	367957R91	IH	369978	GMC	3700	NATL
365528R91	IH	3680	C-R	3699B	JN-MN	370000	NATL
365576R91	IH	3680095	CUMMI	36A2883661	GE	370001A	NATL
3655S	TIMKE	3680706	CUMMI	36A290628AB001	GE	370001A	TIMKE
365610A	HARWA	3680994	GMC	36SR-13	MACK	370001T	NATL
365610XX	TIMKE	3680S	SPG	36X47X7	SIMRT	370002A	TIMKE
365618	GMC	3681302	CHRYSL	36X47X7SC	TRSCM	370003A	TIMKE
3656536	GMC	3681B	JN-MN	36X47X7TC	TRSCM	370003T	NATL
3656537	GMC	3682	C-R	36X50X7SC	TRSCM	370004A	TIMKE
3656538	GMC	368240	WAGMA	36X50X7TC	TRSCM	370005A	TIMKE
3656817	GMC	368252C91	IH	36X52X7	SIMRT	370006A	TIMKE
3657	C-R	3683	C-R	36X52X7SC	TRSCM	370007A	TIMKE
3657616	GMC	3683	C-R	36X52X7TC	TRSCM	370008A	TIMKE
365766R91	IH	3684530	GMC	36X54X7.5-35	ISP	370009A	TIMKE

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
370010A	TIMKE	417134	370169A	TIMKE	415437	37075	C-R	229520	372-7008	STEM	370029A
370011A	TIMKE	370011A	370173A	NATL	370005A	37075	C-R	95X130X12!	372-7009	STEM	370002A
370012A	TIMKE	370012A	370173A	TIMKE	370173A	37077CA	SPG	415449	372-7015	STEM	370192A
370013A	TIMKE	370013A	370175A	TIMKE	370175A	37081	C-R	95X130X12!	372-7018	STEM	370008A
370014A	TIMKE	417172	370178A	NATL	416888	37087	GEM	471224!	372-7022	STEM	AR2+370026A
370015A	TIMKE	370015A	370178A	TIMKE	416888	3708819	GMC	5453 \$	372-7024	STEM	370107A
370018A	TIMKE	418028	370179A	NATL	9339S	37089	C-R	415027	372-7025	STEM	370027A
370019A	TIMKE	370019A	370179A	TIMKE	370179A	37089	C-R	415027!	372-7046	STEM	417134
37002	HYST	417562	370179BG0	SPG	370179A!	3708B	JN-MN	415645!	372-7048	STEM	370046A
370020A	NATL	370021A	370181A	TIMKE	370181A	3708B	JN-MN	455104	372-7049	STEM	417172
370020A	TIMKE	370020A	370191A	TIMKE	370191A	37096A	C-R	45013S	372-7055	STEM	370013A
370021A	TIMKE	370021A	370192A	TIMKE	370192A	37097D	IH	473229	372-7091	STEM	370107A
370022A	TIMKE	416892	370195A	TIMKE	370195A	3709B	JN-MN	471424!*	372-7095	STEM	370037A
370023A	NATL	456618	370198A	TIMKE	370198A	371-0013	STEM	370036A	372-7097	STEM	386025A
370023A	TIMKE	370023A	370199A	TIMKE	370199A	371-0013	STEM	370349A	372-7097	STEM	416158
370024A	TIMKE	417505	370199V	SPG	370199A	371-0023	STEM	370065A	372-7098	STEM	370036A>
370025A	TIMKE	416158	37020	C-R	95X115X13*	371-0023	STEM	376590A	372-7098	STEM	370349A%
370025T	NATL	416158	370201A	NATL	416158	371-0043	STEM	386025A	372-7098	STEM	380036A>
370025X	FRUEH	386025A	3702068	GMC	473179	371-0043	STEM	416158	372-7099	STEM	380065A
370025X	FRUEH	416158	370211A	TIMKE	370211A	3710	C-R	474279N	3720002	GMC	6818
370026A	TIMKE	370026A	370212A	TIMKE	370212A	37101	TROS	5070	37201	TROS	450666
370027A	TIMKE	370027A	370215A	TIMKE	417544	37103	HYST	416476!	37202	TROS	450666
370028A	TIMKE	416865	370216A	NATL	416158	37103	TROS	6064	372068	GMC	473179
370029A	TIMKE	370029A	370219A	TIMKE	370219A	37104	TROS	6064	3721328	GMC	50419
37003	SPICE	413248	370219BG	NATL	370219A	3711	C-R	474279N	372187R91	IH	416239!
370030A	TIMKE	370030A	370220A	TIMKE	370220A	3711412	GMC	417355!	3721RC	SUL	476838!
370031A	TIMKE	415058	3702255	GMC	417355!	3711412	GMC	485497	3722	C-R	350156
370032	WHITE	410496!	3702255	GMC	485497	3711B	JN-MN	415072*	3722	C-R	473096
370033A	TIMKE	370033A	37025	C-R	95X115X12	3711LUP	JN-MN	415072	37222	SPICE	2081
370034A	TIMKE	370034A	370254R91	IH	200763	3711RC	SUL	473450	37224	CHRYV	473367!
370036A	NATL	370349A	37026	C-R	4359V	37120	AMC	474281!	37229	SPICE	415960
370036A	TIMKE	370036A	37026	C-R	5274	3712726	GMC	240698	3722RC	SUL	473446
370037A	TIMKE	370037A	37026	C-R	95X115X13V!	3712738	GMC	340797	3723	TIMKE	3723
370038A	TIMKE	370038A	37027	C-R	717006	37129	AMC	473448	372301	BENDI	50883=
370039A	TIMKE	370039A	37029	VICK	204007=	3712B	JN-MN	416107!	372394R91	IH	473214
370043A	TIMKE	370043A	3702R	SPG	710159	3712B	JN-MN	455073	372439R91	IH	415076*
370046A	TIMKE	370046A	3702RA	SPG	710159	3712RC	SUL	474265	3723RC	SUL	415196!
370047A	TIMKE	370047A	37030	C-R	710060	37132	DENCO	450165	37240	TROS	5797
370048A	TIMKE	370048A	370338A	NATL	370037A	37132	DENCO	471801!	372438R91	IH	200763
370051A	TIMKE	370051A	370338A	TIMKE	370338A	3713B	JN-MN	417555!*	372442R91	IH	80313
370054A	TIMKE	370054A	370349A	NATL	370036A	371409R91	IH	470625!	372440R91	IH	200895=
370057A	TIMKE	370057A	370349A	TIMKE	370349A	37141	GEM	323138!	372442R91	IH	7208S
370063A	TIMKE	416865	37039	C-R	95X120X12!	37141	TROS	5836	372474R91	IH	200763
370064A	TIMKE	370064A	37040	C-R	229510	371410R91	IH	472560N!	372475R91	IH	200897=
370065A	NATL	376590A	37040	C-R	95X120X12!	371411R91	IH	472164!	372476R91	IH	200895=
370065A	TIMKE	370065A	37041	C-R	229510	3714713	GMC	5458	3725	C-R	350156
370066A	TIMKE	417507	37041	C-R	95X120X12V!	3714771	GMC	411330!	3725	C-R	473096!
370069A	TIMKE	370069A	37042	C-R	229510	3714786	GMC	6818	37257	AMC	472016
370078A	TIMKE	370078A	37042	C-R	95X120X12V!	371498C91	IH	100495	3725850	GMC	6985
370086	WHITE	472636!	3704463	GMC	450666	371498C91	IH	417349	3725883	GMC	5458
370086A	TIMKE	370086A	3704483	GMC	6785	371498C91	IH	476023N	3725884	GMC	5458
370094A	TIMKE	370094A	370463	BENDI	471442!	3714RC	SUL	451469	3725885	GMC	5458
3700BX0	SPG	3700	37047	C-R	95X125X12!	3715RC	SUL	417485	37260	TROS	5871
3700OS	JN-MN	417549!*	370492	GMC	471466!	371671	GMC	5458 \$	3726RC	SUL	416229
3700RC	SUL	411376!	3704B	JN-MN	417605*	3716B	JN-MN	473459	3727	C-R	350156
370106A	TIMKE	370106A	37050	C-R	95X125X12	3716RC	SUL	416738!	3727	C-R	473096!
370107A	TIMKE	370107A	370509	WHITE	472015!	3716RC	SUL	450096	37275	AMC	470334!
370109A	TIMKE	370109A	370510R91	IH	472560N!	3717671	GMC	5458	372759	VICK	471649=
370119A	TIMKE	370119A	370513R91	IH	470625!	3717672	GMC	417355!	372762R91	IH	471267!
37012	HYST	415072	370517R91	IH	472164!	3717672	GMC	485497	372763R91	IH	471267!
370120A	TIMKE	370120A	370570	WHITE	416654	371797C91	IH	473459	3727B	JN-MN	417262!
370121A	TIMKE	370121A	3705725	GMC	6818	3718	C-R	474279N*	372823	WHITE	473179
370124A	TIMKE	370124A	3705796	GMC	450666	371876	SPICE	473235!	3728543	GMC	470898
37013	DET	55350	3705B	JN-MN	415379	3718RC	SUL	473446	373	IDECO	415128
370131A	TIMKE	370131A	3705B	JN-MN	415379!	3719	C-R	474279N*	373-0113	STEM	370036A
370132A	TIMKE	370132A	3706126	GMC	472164!	3719	C-R	474279N	373-0113	STEM	380036A
370145A	TIMKE	370145A	370651C91	IH	412119	37194	SPICE	411348!	373-0123	STEM	370065A
37015	C-R	717005	3706B	JN-MN	416288!*	37194	VIC	411348!	373-0123	STEM	380065A
37015	C-R	95X110X10!	370714	WHITE	5M867	371D6	WHITE	6270	373-0143	STEM	386025A
370150A	TIMKE	370150A	3707356	GMC	417355!	371SL16	MACK	240356	373-0143	STEM	416158
370165A	TIMKE	415958	3707356	GMC	485497	372-7005	STEM	370013A	373-0213	STEM	370349A
370166A	TIMKE	370166A	3707389	GMC	5458	372-7006	STEM	370002A	373-0213	STEM	380036A

! Industrial Size/Type * Minor Width Difference > Hub Mount % Spindle Mount \$F-M Number Is Part Of A Kit
 = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
373-0223	STEM	380065A	37399	C-R	415379	3748347	GMC	5072	37532	C-R	455031!
373-0243	STEM	386025A	37400	C-R	415379	374841R1	IH	JX1136	37533	C-R	416339 *
373-0243	STEM	416158	37400	C-R	415379!	3748568	GMC	473473	37538	C-R	416339
373002	BENDI	471103!	374006R91	IH	335924N	37490	C-R	416339	37539	C-R	416339
3730317	GMC	5458	37401	C-R	415379	37490	C-R	455031!	3753B	JN-MN	415066 *
37305	WITTE	472179	37402	C-R	415379	37491	C-R	416339	3753M1	C-R	100495
37306	SPICE	710304	37403	C-R	415963N!=	37491	C-R	455031!	3753M1	C-R	417349
373105	HYST	415035=	37405	C-R	3893V	374947	WHITE	50327	3753T8	C-R	100495
37311	SPICE	710045	37405	C-R	415379!	37494TA	TRSCM	416339	3753T8	C-R	417349
373156R91	IH	413469!	37407	C-R	415379 *	37494TA	TRSCM	455031!	375416	CABOT	416892!
373157R91	IH	416921!	37408	C-R	710085	3749981	GMC	5499=	375424	SUL	415138!
373159R91	IH	416921!	3740B	JN-MN	473214	374A224	C-R	417316!	3754B	JN-MN	416229
3732	NATL	3732S	3740LPD	JN-MN	473214!	374AMM224	C-R	417316!	375501	WHITE	471255!
37328	C-R	415983V *	3740LUP	JN-MN	473214	374B224	C-R	417316!	3755974	GMC	473179
3732S	TIMKE	3732S	3740RC	SUL	473239	374B228	C-R	417344! *	3755B	JN-MN	471504!
37330	C-R	415983N!	37410	C-R	415379	374BN224	C-R	417316!	37560	C-R	416339
37332	C-R	415983V	37412	C-R	415379	374H224-T8	C-R	417316!	37560	C-R	455031!
37334	C-R	415983N!	37412	C-R	415379!	374SK43	MACK	240733	37560	HYST	455251H
37335	C-R	415983N!	37413	C-R	415379!	3750	C-R	471103!	37560	TROS	412871!
37336	C-R	713750	37413	C-R	415379	3750	UNIVE	470530!	37561	C-R	416339
3733703	CHRYSL	HU024A	3741786	GMC	6818	375000R91	IH	416239!	37561	C-R	455031!
3733704	CHRYSL	HU028A	3742042	GMC	6936S	375001R91	IH	416239!	37561	HYST	470898
3733705	CHRYSL	HU042A	374216	BENDI	474278!	37500A	IH	473446	37561	TROS	473473
3733708	CHRYSL	730002A	37421A	C-R	472924! *	3750231	GMC	415437	37561A	C-R	473232
3733709	CHRYSL	730001	3742392	GMC	7107A=	375035X1	MASSE	415458!	37565	C-R	45031S
3733710	CHRYSL	730016	3742402	GMC	6936S	37504	C-R	5512	37565	VIC	BS16192
37338	C-R	2377	3742583	GMC	2081	3750867	GMC	6358	3756B	JN-MN	455290
37340	C-R	2377	374286	WHITE	410987!	375094	HERCU	417350=	37570	C-R	710262
37340	C-R	5278	374287	WHITE	415458!	3750E	GOODM	415064	37574	BR-ST	481644
37341	C-R	2377	374293	WHITE	416332!	3751	C-R	471103!	37574	C-R	415150! *
37342	C-R	2377	3742B	JN-MN	472397!	37511	C-R	416339	37575	C-R	415150!
373468	CHRYSL	HU149A	3742RC	SUL	471868	37511	C-R	455031!	37577	C-R	415150! *
3735006	CHRYSL	412119!	3743	TIMKE	3743	3751233	CHRYSL	3095	3757B	JN-MN	416865!
37351	C-R	416041	3743200	GMC	417355!	3751235	CHRYSL	3103!	3757V	SPG	471466
37352	C-R	416041	3743200	GMC	485497	37518A	C-R	471787	37580	C-R	415150! *
3735211	CHRYSL	417316!	3743201	GMC	6358	375208A	HARWA	37X52X8	375831	WHITE	5405
37354	C-R	416041	3743202	GMC	2081	375208XX	TIMKE	37X52X8	37584	HYST	415991
37357	C-R	415379!	37433	C-R	417205! *	37521	C-R	416339	37584	HYST	455146!
37358	C-R	415379!	37435	C-R	417205!	37521	C-R	455031!	37586	TIMKE	37586
37358	C-R	415379	37436	C-R	417205!	375210	C-R	455321	37586A	C-R	472179
37360	C-R	415379	3743698	GMC	417355!	375212	C-R	416071	37590	C-R	415150! *
37360	C-R	415379!	3743698	GMC	485497	375216	C-R	455079!	37591	C-R	415150! *
37361	C-R	415379!	3743719	CHRYSL	471652	375216M1	C-R	455079!	37592	HYST	472234
37361	C-R	415379	3743719	CHRYSL	482208!	375218	C-R	417481	3759306	GMC	7107A=
373768	BENDI	471192	3743915	GMC	415991	37522	C-R	416339	37597	HYST	473473
37376A	C-R	415449!	3743B	JN-MN	411245!	37522	C-R	455031!	375981	BENDI	481073
3737779	GMC	451117N=	37446	C-R	417205!	375220	C-R	417343!	375A224	C-R	417316!
3737894	GMC	473179	3744991	GMC	415991	375220M1	C-R	417343!	375A228	C-R	417344! *
3737LPD	JN-MN	417608	3744991	GMC	455146!	375222	C-R	455151	375AMM28	C-R	417344! *
3737RC	SUL	417606	3744RC	SUL	473232	375224	C-R	417316!	375B220	C-R	417343!
37381	C-R	415379	374527R91	IH	471267!	375224	CABOT	417316!	375B224	C-R	417316!
373822	WHITE	473179	3745384	GMC	5072\$	375224	GR-DV	417316!	375B228	C-R	417344! *
373823	WHITE	473179	37454PTA	TRSCM	415983N!	375224	JA-MI	417316!	375BM224	C-R	417316!
37386	C-R	415379 *	37457	C-R	417205!	375224	JAE	417316!	375BMM224	C-R	417316!
37387	C-R	486544N=	37458	C-R	417205!	375224K	FAIRB	417316!	375C220	C-R	417343!
37388	C-R	415379 *	37459	C-R	417205!	375224K	SUL	417316!	375CHA224	C-R	417316!
37389	C-R	415379 *	3745RC	SUL	473426	375224M1	C-R	417316!	375F224	C-R	417316!
3738B	JN-MN	415938 *	37460	C-R	417205!	375224M1	GOODM	417316!	375F225	C-R	417316!
3738RC	SUL	472636!	3746212	GMC	9613S	375226	C-R	455005	375F228	C-R	417344! *
37390	C-R	415963N=	3746213	GMC	9613S	375226M1	C-R	455005	375FF224	C-R	46997S *
37391	C-R	415379	3746465	GMC	5092	375228	C-R	417344!	375FM224	C-R	417316!
37391	C-R	415379!	37466	C-R	417205!	375228M1	C-R	417344!	375FM224-T8	C-R	417316!
3739112	GMC	5499=	3746601	GMC	473179	375230	C-R	416956	375FM228	C-R	417344! *
37392	C-R	415379!	3746788	GMC	5499=	375230M1	C-R	416956	375FR224	C-R	417316!
37392	C-R	415379	3746B	JN-MN	472572!	37524	C-R	455031	375G224	C-R	46997S
37393	C-R	415379	3746RC	SUL	415027	37525	C-R	416339 *	375G34	C-R	45825S
37394	C-R	415379!	3746RC	SUL	415027!	37526	C-R	416339	375HD224	C-R	46997S
37395	C-R	415379!	3747	TIMKE	3747	37528	C-R	415259!	375HD34	C-R	45825S
37396	C-R	415379	37473	C-R	55329=	3753	C-R	100495	375N224	C-R	417316!
37396	C-R	415379!	37474STA	TRSCM	415379!	3753	C-R	417349	375N224-T8	C-R	417316!
37397	C-R	415379 *	37480	C-R	416339	37530	CHRYSL	473457!	375T228	C-R	417344!
37398	C-R	415379	37480	C-R	455031!	37532	C-R	416339	375W212	C-R	416071

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
375W216 C-R		455079!	3772034 GMC		5573\$	37909757 JAE		473454	380023TXO SPG		380023A
375W216-M1 C-R		455079!	377239R91 IH		473419	37909762 JAE		417254	380025A TIMKE		416158
375W218 C-R		417481	377240R91 IH		473419	379144 WHITE		473010	380031A TIMKE		415058
375W220 C-R		417343!	3772445 GMC		8976S	37919 GEM		6597S	380031TX SPG		415058
375W220-M1 C-R		417343!	3772748 GMC		473179	37921 TIMKE		455134	380036A TIMKE		380036A
375W222 C-R		455151	37728 GMC		473235!	37921A C-R		470059	380048A TIMKE		380048A
375W224 C-R		417316!	37729 SPICE		415960	37921A C-R		470380	3800643 CUMMI		39861
375W224-M1 C-R		417316!	37729 VIC		415960	3792463 GMC		5337	380065A TIMKE		380065A
375W226 C-R		455005	3772999 GMC		5573\$	379247R91 IH		416294!	3800968 CUMMI		39861
375W228 C-R		417344!	3773 C-R		471103!	379248R91 IH		416294!	3800969 CUMMI		5741
375W228-M1 C-R		417344!	3773B JN-MN		473423*	379249R91 IH		416294!	3800969 CUMMI		927312
375W230 C-R		416956	3774 C-R		471103!	3792564 GMC		8293S	3801138 CUMMI		39875
375W230-M1 C-R		416956	3774S TIMKE		3774	3792806 GMC		8293S	380131A TIMKE		380131A
375W3 C-R		100495	3775184 GMC		7934S	3793 C-R		471103!	380157R91 IH		476124=
375W3 C-R		417349	37753 HYST		472572!	37932A C-R		471535!	380158R91 IH		476124=
376 CHEL		471763	37754 HYST		450111	37939 TIMKE		415035	380182R91 IH		471504
37601 TROS		6936S	3776800 GMC		6818	3794 TIMKE		3794	380183R91 IH		471504
376016 GMC		473459	3776S SPG		3776S	3794002 GMC		9178S	380185R91 IH		417492
37605 C-R		416282	377786R91 IH		415001!	3794006 GMC		5113	380186R91 IH		450621
376077 WITTE		471442!	377787R91 IH		415001!	3794B JN-MN		417020	380186R92 IH		450621
37609H IH		417344!	377788R91 IH		417316!	3795B JN-MN		412119!	380200R91 IH		471271!
3760B JN-MN		472213	377789R91 IH		417316!	379643 WHITE		472636!	380200R92 IH		471271!
3761234 GMC		2055	3777B JN-MN		450463	379654 GMC		5756	380201R91 IH		471271!
3761361 GMC		481181!	377826 HYST		6872S	3796564 GMC		417506	380212R91 IH		471271!
37619 HYST		415995!	3779385 GMC		470954	3796575 GMC		417506	380213R91 IH		471271!
3761933 GMC		7412S	377959R91 IH		471684!	3796903 GMC		9015S	3802B JN-MN		470898
376215R91 IH		471684!	37802 VIC		370048A	3796B JN-MN		417344!	3802SS0 SPG		3802=
37626 HYST		472394	37802 VIC		380048A	3797B JN-MN		418028	3803477 CUMMI		600462
3762B JN-MN		473214	37802 WHITE		370048A	3797B JN-MN		455137!	3803727 CUMMI		39861
37631 C-R		416127	37802 WHITE		380048A	3799B JN-MN		416239!*	3803894 CUMMI		5728
3763B JN-MN		472394	37802D IH		417356!	37X52X8 SIMRT		37X52X8	3803894 CUMMI		600211\$
3764554 GM		7266S	37802D IH		455188	37X52X8SC TRSCM		37X52X8	38040 C-R		8370S
37649 C-R		417503	3780374 GMC		416273!	37X52X8TC TRSCM		37X52X8	3804304 CUMMI		5734
3765 NATL		4539H	378040R91 IH		415389	380-8001 STEM		417507	38046 EATON		415351!
376590 SPG		376590A %	378077R91 IH		455500!	380-8009 STEM		370145A	3804744 CUMMI		5732
376590A NATL		370065A	378077R91 IH		455500	380-8010 STEM		AR5+370014A	38053 ALLCH		415007
376590A TIMKE		376590A	378078R91 IH		455500	380-8011 STEM		AR4+370011A	380637R91 CASE		200335
3765HX1 SPG		3765	378078R91 IH		455500!	380-8014 STEM		370015A	3806744 CUMMI		100467\$
3766493 GMC		205044	378157R91 IH		472179	380-8017 STEM		418028	3807 TIMKE		3807
3766706 GMC		8976S	378158R91 IH		472179	380-8018 STEM		417134	380750 GMC		472439
3766B JN-MN		472439*	3781810 GMC		9613S	380-8020 STEM		AR1+370011A	380768R91 IH		412119!
37670 C-R		370023A	378191R91 IH		472319	380-8025 STEM		370002A	380769 GMC		7188S
37670 C-R		5667	378192R91 IH		J990=	380-8027 STEM		370179A!	380769R91 IH		412119!
37675 JAC		471649!	378193R91 IH		5599\$=	380-8028 STEM		370007A	380770R91 IH		411394!
376755C91 IH		40316S	3782343 GMC		8421S	380-8030 STEM		AR+370018A	380771R91 IH		411394!
376761 GMC		3638	37825 C-R		710205	380-8032 STEM		AR6+370012A	38085 C-R		455178=
376764 ALLCH		472924!	3783B JN-MN		470334!	380-8034 STEM		370012A	380890R91 IH		472439
3767702 GMC		5092	3785 SPG		1953	380-8035 STEM		370012A	380921R91 IH		472179
3767OS JN-MN		481073*	3785 SPG		42X60X7!	380-8036 STEM		370001A	380922R91 IH		472179
376851 GMC		722109	37850 C-R		455032!	380-8039 STEM		AR12+370033A	380959R91 IH		476838!
376855 GMC		722108	37857 SPERY		340356	380-8042 STEM		370002A	380960R91 IH		476838!
3768598 GMC		8243	37857 VICK		340356	380-8044 STEM		370054A	381-0036 STEM		370001A
376930R91 IH		473230!	378673C91 IH		470898	380-8045 STEM		370057A	381-0053 STEM		370124A
3769588 GMC		471341!	378674C91 IH		471272!	380-8046 STEM		370124A	381-0056 STEM		370131A
3769B JN-MN		473228	378717 SPICE		6808N	380-8052 STEM		370015A	381-0064 STEM		370048A
376G222 C-R		455151	37872 CHAMP		415683	380-8053 STEM		370124A	381041R91 IH		415001!
377-7713 STEM		370036A	3787296 GMC		9613S	380-8054 STEM		370131A	381042R91 IH		417316!
377-7713 STEM		370349A	378796R91 IH		417492	380-8056 STEM		370131A	381043R91 IH		455500!
377-7713 STEM		380036A	3788429 GMC		5337\$	380-8060 STEM		AR10+370020A	381043R91 IH		455500
377-7723 STEM		370065A	3788430 GMC		5337\$	380-8063 STEM		370132A	381055R91 IH		476124=
377-7723 STEM		376590A	37901350 JAE		6283S	380-8064 STEM		370048A	3811035 WOOL		417158!
377-7743 STEM		386025A	37902 TROS		450173	380-8066 STEM		370150A	38114 C-R		417504
377-7743 STEM		416158	37903 TROS		470606!	380-8067 STEM		370131A	38115 C-R		417504
377-7744 STEM		370037A	37904325 JAE		417205!	380-8071 STEM		370011A	38116 C-R		417504
377-7744 STEM		370338A	37904375 JAE		417247!	380001A TIMKE		380001A	38121 TROS		5924
3770169 GMC		7107A=	3790606 GMC		8293S	380003A TIMKE		380003A	381232R91 IH		471267!
3770297 GMC		471267!	3790622 GMC		8610	380003TX SPG		380003A	38128 SPICE		722109
37707 NEHO		481181!	37908 GEM		471270!	380003TXO SPG		380003A	381299 WHITE		455151
3771 TIMKE		3771	37908 ROSS		471270!	38000968 CUMMI		5742	3813 TIMKE		3813
3771094 GMC		418028	37908286 JAE		410102	380019C91 IH		370023A	38133 OLIVE		471192
377167A HERCU		240698	37909550 JAE		450472!	380022A TIMKE		416892	3813621 GMC		471193
3772 TIMKE		3772	37909730 JAE		415303!	380023A TIMKE		380023A	381363C91 IH		474276

! Industrial Size/Type * Minor Width Difference % Spindle Mount \$ F-M Number Is Part Of A Kit =Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
381363C92 IH	474276	3824 FWD	472394	3836B JN-MN	415303!*	38544 EATON	416956
38141 TROS	493291	3824B JN-MN	415027	3837 FWD	417316!	385507XX TIMKE	38X55X7
3814160 GMC	7537S	3824B JN-MN	415027!	3837 OLIVE	417316!	38551 EATON	416956
3814280 GMC	414045!	3825 FWD	472397!	383701R91 IH	472129=	38551602 IVECO	713131
38145 C-R	455032!*	38250 C-R	455189*	383727-C1 IH	730008	3855K MINNM	5756
38147 OLIVE	471689!	3825136 GMC	8460N	383728-C1 IH	730030	385610XX TIMKE	38X56X10
381480R1 IH	472258!	3825B JN-MN	455008	38373 JOY	42352S	385692R91 IH	471413!
381480R91 IH	472258!	3826129 GMC	411330!	383733R91 IH	472129=	385703R91 IH	471267!
3814R SPG	3814N	382663 GMC	472082	383748R91 IH	473474	385703R92 IH	471267!
3815 FWD	471192	3827 FWD	472016	3837560 GMC	8705S	385704R91 IH	471267!
38159 SPICE	472258!	3827712 CHRY	370132A	3837716 GMC	240735	385766R91 IH	472299
38159 VIC	472258!	382776R91 IH	416664!	3837B JN-MN	472015!	3857716 GMC	8975S
3815B JN-MN	470625!	382778R91 IH	417349!	3837E GOODM	450400	3857731 GMC	8974S
3816 TIMKE	3816	382779R91 IH	417349!	383860R91 IH	473423	385808XX TIMKE	38X58X8
38160 C-R	455032!	3827B JN-MN	415138!*	3838B JN-MN	411394!	3858096 GMC	9195S=
381653 WHITE	415995!	3828009 STEM	370145A	3839 FWD	417158!	385819-C91 IH	HU012A
3817 FWD	473228	3828010 STEM	AR5+370014A	383968R1 IH	J1113	385820-C1 IH	730026
381721R91 IH	471224!	3828011 STEM	AR4+370011A	384 IDECO	417603!	3858316 GMC	8976S
3817308 GMC	417355!	3828017 STEM	418028	38407 OLIVE	473179	385864R91 IH	452222!
3817308 GMC	485497	3828018 STEM	471734	384090R91 IH	471424!	385865R91 IH	452222!
381742R91 IH	470380!	3828025 STEM	370002A	3841 FWD	471487	385871R91 IH	473419
381743R91 IH	472924!	3828027 STEM	370179A!	384115 WHITE	472636!	385872R91 IH	473419
3817883 GMC	8460N	3828585 GMC	7934S	384116 WHITE	415449!	3858832 GMC	470380!
3818896 GMC	8975S	382868C91 IH	473463	384132 GMC	9015S	38590 C-R	200948
38190 C-R	455189*	3828916 GMC	2081	3841372 GMC	8750S	38597 CHRY	410308!
381907R91 IH	473367	3828B JN-MN	415227!	3841532 GMC	9015S	385FM224 C-R	415960*
381908R91 IH	473419!	3829 FWD	472636!	384156R91 IH	472018	386008XX TIMKE	38X60X8
381917R91 IH	415483	3829B JN-MN	415076*	38427 DANA	9316	3860095 GMC	3945
3819584 GMC	8477S	383-0136 STEM	370001A	384272 SPICE	9316	386010XX TIMKE	38X60X10
3819774 CUMMI	99650	383-0136 STEM	380001A	384301 WHITE	471271!	386169C91 IH	470565=
382-8028 STEM	370007A	383-0139 STEM	370033A	384334R91 IH	473230!	38618 C-R	476098N=
382-8032 STEM	AR6+370012A	383-0153 STEM	370124A	384342 WHITE	370036A	386207XX TIMKE	38X62X7
382-8034 STEM	370012A	383-0156 STEM	370131A	384342 WHITE	370349A	38625 C-R	417210!
382-8035 STEM	370012A	383-0156 STEM	380131A	3843648 GMC	8835S	3862674 CUMMI	40392
382-8036 STEM	370001A	383-0164 STEM	380048A	384386R91 IH	472164!	38631 C-R	417210!*
382-8039 STEM	AR12+370033A	383-0171 STEM	370011A	384387R91 IH	472164!	38633 C-R	417210!
382-8042 STEM	370002A	383-0264 STEM	380048A	3844 FWD	417354!	3863B JN-MN	415294!
382-8044 STEM	370054A	38301 TROS	42763	3845021 GMC	473016!	38640 C-R	417210!
382-8045 STEM	370057A	3830108 CHRY	3095	3846D GOODM	415138!	38641 C-R	417210!
382-8052 STEM	370015A	3830109 CHRY	31031	3846E GOODM	415138!	3864171 GMC	9015S
382-8053 STEM	370124A	3830B JN-MN	417621!	384804 WHITE	416271!	38643 C-R	417210!
382-8056 STEM	370131A	3831 FWD	413247!	3848353 GMC	9613S	386455R91 IH	472924!
382-8056 STEM	417507	383133R91 IH	472129=	3848354 GMC	9613S	386456R91 IH	472924!
382-8060 STEM	AR10+370020A	383159R91 IH	473238!	384879R91 IH	416294!	386460R91 IH	472299
382-8063 STEM	370132A	383160R91 IH	473238!	3848OS JN-MN	471532	386461R91 IH	417492
382-8066 STEM	370150A	3831716 GMC	240735	38493TB TRSCM	415458!	38647 C-R	417210!
382-8071 STEM	370011A	3832368 GMC	8610	3849OS JN-MN	471646!	38649 C-R	3893V
3820196 CHRY	3210	3832418 GMC	8660S	384K1 DIA	474276!	386508XX TIMKE	38X65X8
3820197 CHRY	493291	383287 WHITE	417344!	385 IDECO	455251H	38653 C-R	417210!
3820419 GMC	472258!	3833 FWD	415449!	385007XX TIMKE	38X50X7	3865358 GMC	6818
3820917 CUMMI	99351	383314R91 IH	473367	385038R91 IH	471466!	38654 C-R	417210!
3820918 CUMMI	99333	383315R91 IH	473419!	385039R91 IH	471466!	38654 DENCO	418028
3821 FWD	472179	383328R91 IH	471224!	38504 HYST	413469!	38654 DENCO	455137!
382119 WHITE	418028	383332R91 IH	471649!	385042 CHRY	473234!	386590TD SPG	386590A
382119 WHITE	455137!	383333R91 IH	471765!	385043 CHRY	472439	3865924 GMC	473179
3821395 CHRY	473204	383340R91 IH	470380!	385076R91 IH	471653!	3866 FWD	457874
3821401 CHRY	710005	383341R91 IH	472924!	385077R91 IH	471653!	38666 C-R	417211!
382150 WHITE	471141!	3833648 GMC	8835S	3850E GOODM	415066	38667 C-R	417211!
3821519 CHRY	415960!	383387R91 IH	472070	385134R91 IH	471413!	3866719 GMC	472705!
3821656 GMC	8974S	383394R91 IH	416664!	38514SA TRSCM	455033	38668 C-R	417211!
3821783 CUMMI	5741	383395R91 IH	416664!	3851703 GMC	481181!	3866845 GMC	471707N
38220 C-R	455189	3833OS JN-MN	450593!	3851853 GMC	7338N	38669 C-R	417211!
38220 TROS	5877	3835 FWD	415458!	38520 C-R	98X120X13	3866992 GMC	470530!
3822107 CHRY	472015!	383516C91 IH	410308!	385207XX TIMKE	38X52X7	38670 C-R	417211!
3822192 CHRY	415379	383516C91 IH	473468	38524TA TRSCM	417366!	3867349 CHRY	370023A
382220R91 IH	472070	383524 GM	424	3852984 GMC	8460N	38676 C-R	417211!
382229R91 IH	471649	3835625 GMC	450375!	385308XX TIMKE	38X53X8	38677 C-R	417211!
382230R91 IH	471765!	3835625 GMC	6936S!	38531A HERCU	470712!	3867960 GMC	471271!
3822829 CHRY	413248	3835625 GMC	9845	38534SA TRSCM	415958!	3867961 GMC	471272!
3823 FWD	473238	3835774 GMC	5419\$	385397 WHITE	455612=	38680 C-R	417211!
382386 WHITE	415449	3835946 GMC	6936S	385407XX TIMKE	38X54X7	386808XX TIMKE	38X68X8
382387 WHITE	472636!	38360 TROS	50402	385410XX TIMKE	38X54X10	386810XX TIMKE	38X68X10

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
38682	C-R	416345!	38728	C-R	55337	387W3	C-R	417350!	38X50X7TC	TRSCM	38X50X7!
38686	C-R	416345!	3873	C-R	417350!	387W3-M1	C-R	417350!	38X52X6VAY	TRSCM	1196
38686	C-R	455033	38730	C-R	417366!*	387WL224	C-R	415960!	38X52X7ASN	ISP	38X52X7
38687	C-R	416345!	387309C91	IH	417316=	3880	GARLK	417160	38X52X85SC	TRSCM	38X52X8.5!
38687	C-R	455033	38731	C-R	417366!*	3880674	GMC	6358	38X52X85TC	TRSCM	38X52X8.5!
38691	C-R	416345!*	38732	C-R	417366!	3880944	GMC	AR22	38X53X8SC	TRSCM	38X53X8
38692	C-R	416345!*	387328	GR-DV	417211!	3880B	JN-MN	470530!	38X53X8TC	TRSCM	38X53X8
38695	C-R	416345!	38733	C-R	417366!	38810	C-R	416043	38X54X10SC	TRSCM	38X54X10
38695	C-R	455033	38734	C-R	417366!	38816D	IH	474253	38X54X10TC	TRSCM	38X54X10
38696	C-R	416345!	38739	C-R	415148!	3881B	JN-MN	473463	38X54X7SC	TRSCM	38X54X7!
38696	C-R	455033	3873M1	C-R	417350!	388247C92	IH	HU009A	38X54X7TC	TRSCM	38X54X7!
3869AB	CASE	476838!	3873T8	C-R	417350!	3883	SPG	55X82X12!	38X55X7SC	TRSCM	38X55X7!
386W222	C-R	455008	3874	C-R	6358	38832	TIMKE	471267	38X55X7TC	TRSCM	38X55X7!
386W224	C-R	415960	3874	FWD	416077	3883386	GMC	2081	38X56X10SC	TRSCM	38X56X10
386W224-M1	C-R	455008	387408R91	IH	480268N=	38835	CHRY	470898	38X56X10TC	TRSCM	38X56X10
386W226	C-R	417485	387408XX	TIMKE	38X74X8	388357	GMC	8940S	38X58X8SC	TRSCM	38X58X8
387-8736	STEM	370001A	387411XX	TIMKE	38X74X11	3883621	CUMMI	37586	38X58X8TC	TRSCM	38X58X8
387-8755	STEM	370131A	3874340	GMC	5119	3883621	CUMMI	600394	38X60X10SC	TRSCM	38X60X10
387-8756	STEM	370131A	3874368	GMC	9128S	3883774	CUMMI	5742	38X60X10TC	TRSCM	38X60X10
387-8763	STEM	370132A	3874372	GMC	AR21	3883775	CUMMI	5741	38X60X8ASN(32)	ISP	38X60X8
387-8764	STEM	370048A	38745	C-R	415958!	388506	WHITE	412119!	38X62X7SC	TRSCM	38X62X7
38700	C-R	416345!	38745	C-R	415958	3885295	GMC	8750S	38X62X7TC	TRSCM	38X62X7
38701	C-R	416345!	38746	C-R	370023A	388770	WHITE	415137!	38X65X8SC	TRSCM	38X65X8!
387010XX	TIMKE	38X70X10	38747	C-R	415958	388770	WHITE	418028	38X65X8TC	TRSCM	38X65X8!
387015C1	IH	5111	38748	C-R	417505	38880	C-R	710526	38X68X10SC	TRSCM	38X68X10
387015C1	IH	5111S	387487	WHITE	470334!	388822C91	IH	476470	38X68X10TC	TRSCM	38X68X10
38703	C-R	415697!*	38749	C-R	417505	388823C91	IH	416130!	38X68X8SC	TRSCM	38X68X8!
387036C1	IH	321460	38750	C-R	380023A	388974	GMC	9049	38X68X8TC	TRSCM	38X68X8!
387036C91	IH	321460	387596	WHITE	415371	388974	GMC	9049N	38X70X10SC	TRSCM	38X70X10
38704	C-R	416345!	3875B	JN-MN	417211!*	3889B	JN-MN	471504!	38X70X10TC	TRSCM	38X70X10
387054	WHITE	473367	3876191	GMC	8705S	388WL222	C-R	455008	38X72X10SC	TRSCM	38X72X10
387054	WHITE	473367!	3876192	GMC	7934S	389083R91	IH	415871	38X72X10TC	TRSCM	38X72X10
38706	C-R	415697!	3876B	JN-MN	473229	389160001	WHITE	472636!	38X74X11SC	TRSCM	38X74X11
38706	C-R	455547	38774	C-R	370023A	3891B	JN-MN	417356!	38X74X11TC	TRSCM	38X74X11
38707	C-R	415697!	38774	C-R	416892	3891B	JN-MN	455188	38X74X8SC	TRSCM	38X74X8!
38708	C-R	415697!	38774	C-R	456618	3892794	CUMMI	5734	38X74X8TC	TRSCM	38X74X8!
3870890	CUMMI	39715	38777	C-R	456618	3892B	JN-MN	416364!*	39	WGEAR	470565!
38709	C-R	370033A	38778	C-R	456618	3893105	CHRY	370001A	390-7008	STEM	370029A
38710	C-R	415697!	38779	C-R	370023A	3893105	CHRY	380001A	390-7025	STEM	370027A
38710	C-R	455547	38779	C-R	380023A	3893149	CHRY	HU009A	390-7048	STEM	370046A
38711	C-R	415697!	3877B	JN-MN	472164!	3893298	GMC	5072	390-9001	STEM	AR20+370004A
38712	C-R	417366!*	3878	SPG	1873	3893299	GMC	5072\$	390-9002	STEM	416892
38713	C-R	415697!*	38780	C-R	370023A	3893V	TIMKE	3893V	390-9003	STEM	416892
3871619	GMC	9613S	38780	C-R	380023A	389405R91	IH	470530!	390-9004	STEM	415058
3871649	GMC	470380!	38782	C-R	370023A	389405R92	IH	470530!	390-9005	STEM	370021A
3871649	GMC	472189A!	38782	C-R	380023A	389406R91	IH	470530!	390-9006	STEM	370019A
387178	WHITE	472636!	38783	C-R	370023A	389407R91	IH	472439	390-9007	STEM	416865
38718	C-R	417366!*	3878447	CHRY	471539	389407R92	IH	472439	390-9010	STEM	370033A
38719	C-R	417366!*	3878447	GMC	471539!	389408R91	IH	472439	390-9012	STEM	370023A
3872	FWD	455584	3878753	STEM	370124A	3894121	CHRY	710044	390-9015	STEM	417505
387210XX	TIMKE	38X72X10	3878B	JN-MN	472144!*	3894131	CHRY	41461S	390-9018	STEM	370008A
387212	C-R	417480!	3879527	GMC	411330!	3894147	CHRY	710304	390-9019	STEM	370057A
387216	C-R	415082	3879529	GMC	417196!	389445R91	IH	471750!	390-9021	STEM	370027A
387216	GAL	415082	3879536	GMC	417355!	389446R91	IH	471750!	390-9022	STEM	370005A
387216M1	C-R	415082	3879536	GMC	485497	3894V	TIMKE	3894V	390-9024	STEM	370006A
387218	C-R	455280	387B224	C-R	415960	3895020	CUMMI	5728	390-9025	STEM	370019A
387218M1	C-R	455280	387BMM224	C-R	415960	3895023	CUMMI	5732	390-9026	STEM	370019A
387220	C-R	415007	387F224	C-R	415960	3895034	CUMMI	39869	390-9032	STEM	370036A
387220	GAL	415007	387FF218	C-R	455280	3895B	JN-MN	472409!	390-9032	STEM	370349A
387220	GW	415007	387FM224	C-R	415960!	3896	TIMKE	3896	390-9032	STEM	380036A
387220M1	C-R	415007	387FM224	C-R	415960	3896837	CUMMI	5734	390-9033	STEM	416888
387222	C-R	455008	387HMS217	C-R	415082	3897B	JN-MN	473215!*	390-9034	STEM	370195A
387222M1	C-R	455008	387N224-T8	C-R	415960*	389879	WHITE	415041	390-9035	STEM	370047A
387224	C-R	455008!	387N230	C-R	417159	389880	WHITE	415021	390-9036	STEM	415437
387224	FAIRB	415960!	387W218	C-R	455280*	389881	WHITE	5751	390-9038	STEM	370046A
387224	GOODM	415960!	387W220	C-R	415007*	389RC	SUL	472016	390-9039	STEM	370191A
387224M1	C-R	415960	387W220-M1	C-R	415007*	38G42	OSHO	416654	390-9046	STEM	370027A
387226	C-R	417485	387W222	C-R	455008*	38GX42	OSHO	416654	390-9048	STEM	370069A
387226M1	C-R	417485	387W224-M1	C-R	415960	38H021	SHOV	474276!	390-9048	STEM	380069A
387228	C-R	417158!	387W226	C-R	417485*	38X50X10.5	FME	223800	390-9050	STEM	370069A
387230	C-R	417159	387W230	C-R	417159*	38X50X10.5	SPG	223800	390-9050	STEM	380069A
38724	C-R	55087=	387W230-M1	C-R	417159*	38X50X7SC	TRSCM	38X50X7!	390-9053	STEM	AR23+370120A

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
390-9056	STEM	370023A	391-0060	STEM	370005A	392-9088	STEM	370021A	392RC	SUL	471766!
390-9056	STEM	415958	391-0064	STEM	370020A	392-9089	STEM	370069A	393-0103	STEM	416892
390-9056	STEM	417505	391-0064	STEM	370021A	392-9089	STEM	380069A	393-0104	STEM	415058
390-9057	STEM	417506	391-0070	STEM	370006A	392-9090	STEM	415058	393-0112	STEM	370023A
390-9060	STEM	370005A	391-0073	STEM	370003A	392-9092	STEM	370019A	393-0112	STEM	380023A
390-9061	STEM	370030A	3910B	JN-MN	417205!*	392-9094	STEM	416892	393-0148	STEM	380069A
390-9062	STEM	370121A	3911035	WOOL	455406!	392-9095	STEM	370030A	393-0173	STEM	370003A
390-9063	STEM	2081	39111	FI-CO	472439	392-9096	STEM	370019A	393-0173	STEM	380003A
390-9064	STEM	370021A	39114	FI-CO	474278!	392-9097	STEM	370005A	393-0203	STEM	416892
390-9065	STEM	370019A	39115	FI-CO	474256	392-9098	STEM	370003A	393-0204	STEM	415058
390-9070	STEM	370006A	39118	C-R	100X120X10	392-9099	STEM	417505	393-0273	STEM	380003A
390-9073	STEM	370003A	39118	SPICE	5778	392-9111	STEM	370220A	39302	TIMKE	472409
390-9081	STEM	370173A	39118	VIC	5778	392-9112	STEM	415058	3930B	JN-MN	411376!
390-9087	STEM	370006A	39118-2	DANA	5778	392-9131	STEM	380003A	39310	C-R	455191*
390-9088	STEM	370021A	3911917	GMC	470530!	3920121	MARMO	473215!	39316	C-R	416654!
390-9089	STEM	370069A	3911B	JN-MN	455151	3920122	MARMO	473367!	393180R91	IH	335924N
390-9089	STEM	380069A	3912	FI-CO	471344	3920122	MARMO	473367	39320	C-R	455191*
390-9090	STEM	415058	39120	C-R	100X120X12!	3920123	MARMO	470088	39320	TROS	450044
390-9092	STEM	370019A	39120	C-R	231002	3920125	MARMO	415458!	3932255	GMC	9613S
390-9094	STEM	416892	3912016	GMC	416273!	3920126	MARMO	472636!	3932283	GMC	253747=
390-9095	STEM	370030A	39122	C-R	231002	39202	TROS	40369S	3932286	GMC	471341=
390-9096	STEM	370019A	3912202	GMC	472164!	392048	WHITE	415027	3932288	GMC	7412H=
390-9097	STEM	370005A	3912446	GMC	481181!	39210	FI-CO	471765!	39325	C-R	455191*
390-9098	STEM	370003A	39125	C-R	100X120X12V!	3921012	GMC	9845	39326	C-R	455191*
390-9099	STEM	370023A	39125	C-R	231004	3921072	GMC	8611N	3932B	JN-MN	417562*
390-9099	STEM	415958	3912RC	SUL	474265	3921194	GMC	9845	3933B	JN-MN	417562*
390-9099	STEM	417505	3913	FI-CO	471571	39216	FI-CO	471567!	3934486+600363	SPG	600363
390-9111	STEM	370220A	39135	C-R	100X125X12!	3921927	COND	39804	393453R91	IH	450621
3900709	COND	39803	39135	C-R	231003	3921927	CUMMI	39804	3935	NATL	5699
3900709	CUMMI	39803	39136	C-R	100X125X12V!	392194	HYST	416130!	39350	C-R	415263*
3900709080	CUMMI	39803	39139	C-R	231003	3921972	GMC	5092\$	393516C91	IH	410308!
3901014	GMC	5453	39140	TIMKE	471192	3921B	JN-MN	471271!	393516C91	IH	473468
390106	HYST	417247!	39140	TROS	3210	3922	FI-CO	450604	393544R91	IH	472258!
3901979	COND	39804	3914761	COND	39806	3922598	CUMMI	907104	393545R91	IH	471424!
39022	OLIVE	470334!	391483	BR-ST	471267!	3922B	JN-MN	416345!	393546R91	IH	472018
3904087	COND	39805	3914B	JN-MN	55223* =	3922B	JN-MN	455033	39355	C-R	415263
3904088	COND	39806	39155	C-R	100X130X12!	39235	FI-CO	472924!	3935959	CUMMI	39803
3904089	COND	39805	39156	C-R	100X130X12!	39236	FI-CO	472636!	3936B	JN-MN	416865!*
3904090	COND	39806	39158	C-R	100X130X12!	392363R91	IH	415995!	3937	UNIVE	471984
3904353	CUMMI	39803	39159	C-R	100X130X12V	392363R91	IH	415995!	39370	C-R	415263*
390490C91	IH	476574N	39160	TROS	470625!	39237	FI-CO	473225!	39371	C-R	415263*
390491C91	IH	416500	39161	TROS	6489	392378R91	IH	340724!	39378	C-R	370008A
3904B	JN-MN	471141!	39162	TROS	480630	3924031	GMC	8460N	3937B	JN-MN	472354!
3905	TIMKE	100263	3917	FI-CO	474255	3924032	GMC	712598	39380	C-R	370008A
3905	TIMKE	3905	39170	C-R	710351	3924033	GMC	411330!	39380	C-R	417506
3905405	GMC	481181!	39180	C-R	100X140X13	3924127	GMC	473179	39382	CHRYV	413469!
390558	AUTOZ	35634	3918B	JN-MN	415938	39245	C-R	417967!*	39385	C-R	6270
39058	OLIVE	473215!	3919309	GMC	471424!	39246	SPICE	710067	393879	WHITE	470712!
390586	AUTOZ	35633	391975R91	IH	412119!	392461	DANA	710067	39388	CHRYV	472179
390589	AUTOZ	35641	391976R91	IH	412119	392462	DANA	710067	3938B	JN-MN	473232
390603	AUTOZ	TCS45987	392-9001	STEM	AR20+370004A	392463	DANA	710067	3940	C-R	10X19X7!
390606	AUTOZ	35652	392-9007	STEM	416865	392464	DANA	710067	3940	C-R	221040
3906080	CUMMI	99253	392-9010	STEM	370033A	392465	DANA	710067	3940108	GMC	9316
3906081	CUMMI	99491	392-9012	STEM	370023A	3924987	CUMMI	100310	39407A	C-R	470530!
390613	AUTOZ	BS40654	392-9018	STEM	370008A	3924B	JN-MN	55223=	3940B	JN-MN	450311*
390659	WHITE	476838!	392-9019	STEM	370057A	39250	C-R	417967!	39410	C-R	417506
390680	AUTOZ	16270	392-9021	STEM	370027A	39251	C-R	417967!	39412	SHOV	415991
390681	AUTOZ	16271	392-9032	STEM	370036A	3925529	CUMMI	917157	39412	SHOV	415991!
390683	AUTOZ	16272	392-9032	STEM	380036A	39265	C-R	415034!	394163	WHITE	476838!
390684	AUTOZ	16273	392-9033	STEM	416888	39266	C-R	415034!	3941847	GMC	473228
390697	AUTOZ	70725	392-9035	STEM	370047A	3926B	JN-MN	472287!*	3941B	JN-MN	455280*
3907	TIMKE	3907	392-9036	STEM	415437	39275	C-R	415034!*	3942	C-R	10X22X7V
39070	C-R	710278	392-9038	STEM	370046A	39276	C-R	415034* =	3942	TIMKE	3942
390734	AUTOZ	TCS45979	392-9046	STEM	370027A	39279	C-R	415034!	39420	C-R	417506
3907B	JN-MN	415150!*	392-9048	STEM	370069A	39280	C-R	415034!	394224	C-R	55469
39085	C-R	476517	392-9048	STEM	380069A	3929	FI-CO	471765!	394227	C-R	2081
3909	TIMKE	3909	392-9053	STEM	AR23+370120A	3929034	STEM	370195A	39422A	C-R	415449!
3909410	CUMMI	39805	392-9057	STEM	417506	3929130	STEM	415058	39423	C-R	370005A
390RC	SUL	473245!	392-9062	STEM	370121A	392929C91	IH	472164!	39423	C-R	417506
391-0003	STEM	416892	392-9063	STEM	2081	392929C92	IH	472164!	394233	WHITE	416865!
391-0004	STEM	415058	392-9081	STEM	370173A	3929B	JN-MN	415645!	39425	C-R	417506
391-0012	STEM	370023A	392-9087	STEM	370006A	3929B	JN-MN	455104	3942535	CUMMI	39804

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39426	C-R	AR25+370198A	39667A	C-R	6098 =	39805	TIMKE	39805	39906	C-R	415035
39426	CAO SPG	3942	3966B	JN-MN	473211!	39807	MATHR	39807	39906	C-R	415035!
3943	C-R	455509	3966BX	SPG	3966	39807	TIMKE	39807	39910	TIMKE	472311
39430	C-R	417506	3967875	GMC	473313	39809	TIMKE	417621	39915	C-R	415035 *
39431	MISSI	471785!	3967876	GMC	410308!	39813	MATHR	415937	39915	MATHR	5609
394312	MISSI	471785!	3967876	GMC	473468	39813	TIMKE	415937	399162	WHITE	470898!
394313	MISSI	474274	3967B	JN-MN	470059	39815	TIMKE	39815	39920	TIMKE	39920
394314	MISSI	473239	3967B	JN-MN	470380!	39817	TIMKE	39817	39920D	IH	470334!
394316	MISSI	471224!	3967CA	SPG	3967	39821	TIMKE	39821	39921	C-R	415035 *
39432	MISSI	474274	3967CAR	SPG	1962	39823	TIMKE	39823	39921	C-R	456967V!
394322	MISSI	455321	3968050	GMC	473214!	39825	TIMKE	39825	39922	C-R	415035 *
394323	MISSI	411376!	3968B	JN-MN	472185!	39827	TIMKE	39827	39922	C-R	475845!
39433	MISSI	473239	39693	DANA	9864S	3982B	JN-MN	417171!	39923	C-R	415035
39435	MISSI	471554	39693	SPICE	9864S	3983	NATL	8835S	39923	C-R	475845!
39439	VIC	9316	396993	WHITE	415995!	398311	WHITE	473231!	39925	TIMKE	39925
39439-2	SPICE	9316	3969B	JN-MN	417362!	398321R91	IH	470625!	39926	C-R	415035
39440	C-R	6270	397-9703	STEM	416892	3983488	GMC	5132	39926	C-R	415035!
39440	TROS	5921	397-9704	STEM	415058	39835	TIMKE	39835	39926	TIMKE	39926
394451C91	IH	470898	397-9712	STEM	370023A	39837	TIMKE	39837	39927	C-R	415035!
39448	MATHR	417433	397-9715	STEM	370023A	39838	C-R	335924N	39927	C-R	415035
3945	C-R	10X22X7!	397-9748	STEM	370069A	39842	C-R	457294	39930	C-R	415035 =
3945	TIMKE	3945	397-9748	STEM	380069A	39849	TIMKE	39849	39930	TIMKE	39930
394504	WHITE	417267	397-9757	STEM	417506	39850	C-R	415187	39931	C-R	415035!
394511	WHITE	415711	397-9760	STEM	370005A	39851	C-R	415187	39931	C-R	415035
3945B	JN-MN	476470	397-9761	STEM	370030A	39851	TIMKE	470898	39932	C-R	456967V
3946	TIMKE	472572	397-9764	STEM	370021A	39852	C-R	415187	39933	C-R	415035!
394629	WHITE	472354!	397-9765	STEM	370019A	39853	TIMKE	470898	39933	C-R	415035
394686C91	IH	9912	397-9770	STEM	370006A	3985CA	SPG	3985	39934	C-R	415035
3947	C-R	10X22X7V	397-9773	STEM	370003A	3985CAR	SPG	1992	39935	C-R	415035 *
394735C91	IH	HU036A	39701	TIMKE	39701	3985CAR	SPG	45X65X8!	39935	CLARK	471689!
394745	WHITE	475348N	39703	TIMKE	415937	39860	C-R	45187S	399356	WHITE	415043
394746	WHITE	5M466	39705	TIMKE	39705	39861	TIMKE	39861	39937	C-R	415035
394761	WHITE	472636!	39708	MATHR	50568	39865	TIMKE	39865	39938	C-R	415035
3948889	GMC	730031	39711	TIMKE	473517	39867	TIMKE	39867	3993RC	SUL	415938
394894C91	IH	370001A	39713	TIMKE	39713	39869	TIMKE	39869	399499	HYST	417247!
3948BHR	SPG	5604	397143	WHITE	472185!	3986B	JN-MN	472258!*	39952	TIMKE	39952
39494SA	TRSCM	415034	397144	WHITE	473010	3986CAR	SPG	224820	39954	TIMKE	39954
394976	VICK	474260	39715	TIMKE	39715	3986CAR	SPG	48X62X8!	39956	TIMKE	39956
3950	C-R	10X24X7	39717	TIMKE	472409	39870	C-R	415187	39958	TIMKE	39958
3951	CALSO	471870!	39719	TIMKE	472409	398744	CATER	417562	3995B	JN-MN	416921!
395125C91	IH	9773	3971B	JN-MN	415725!	39875	TIMKE	39875	39961	C-R	345035
3952	C-R	10X25X7	39723	TIMKE	39723	39877	TIMKE	39877	39970	C-R	415035!
39524SA	TRSCM	455191	3973135	GMC	5115	398770	GMC	HU009A	39970	C-R	415035
3952B	JN-MN	416107!	39732	TIMKE	39732	39879	TIMKE	39879	39971	C-R	415035
3952B	JN-MN	455073	397325	WHITE	473228!	3987936	GMC	7412S	39971	C-R	415035!
3953412	GMC	9406S	3973462	GMC	9845	3987937	GMC	481181!	399736C91	IH	415483!
395500R91	IH	450639	397470	GMC	470380!	39880	C-R	415035	39975	C-R	417356!
395591	WHITE	471567!	3974846	GMC	370106A	39880	C-R	415035 *	39975	C-R	455188
3956523	FORD	4162	3974847	GMC	2081	39880	TIMKE	39880	39979	C-R	AR12+370033A
3958001	GMC	5092	3974848	GMC	2055	39881	TIMKE	39881	39979	C-R	AR25+370198A
3958078	GMC	8835S	3974849	GMC	417355!	39882	TIMKE	39882	399798R91	IH	416664!
3960	C-R	10X26X7	3974849	GMC	485497	39883	C-R	415035 *	3998	CINMI	470712!
3960335	GMC	8660S	3974850	GMC	6358	39883	TIMKE	39883	39980	C-R	417356!
39608	TIMKE	39608	3975731	GMC	473229	39885	C-R	415035	39980	C-R	455188
3960860	GMC	471466!	3975B	JN-MN	471870!	39885	TIMKE	39885	39981	C-R	417356!
396148C91	IH	415995!	39760	C-R	710371	39886	TIMKE	39886	39981	C-R	455188
396148C91	IH	415995!	3976B	JN-MN	412473!	39887	TIMKE	39887	39982	C-R	417356!
3961VGO	SPG	2260	3977359	GMC	2286	39888	TIMKE	39888	39983	C-R	417356!
3962863	GMC	5072	3979613	GMC	9316	39889	TIMKE	39889	39984	C-R	417356!
39636	SPG	39636	3979614	GMC	5778	39890	TIMKE	39890	39984	C-R	455188
396395-C92	IH	370021A	3979615	GMC	6808N	39893	TIMKE	39893	39985	C-R	417356!
396470	GMC	2043	3979616	GMC	5778	39894	TIMKE	39894	3998519	GMC	8660S
3964B	JN-MN	416706!	3979626	GMC	470954	39895	C-R	415035	399857	WHITE	470530!
3964BXR	SPG	1969	3979735	STEM	370047A	39895	C-R	415035!	39988	C-R	AR12+370033A
3964BXR	SPG	48X63X9!	3979B	JN-MN	473367!	3989505	GMC	8835S	3998OS	JN-MN	415196!*
3965092	GMC	4739	3979B	JN-MN	473367	3989506	GMC	8835S	39990	C-R	AR12+370033A
3965129	GMC	472394	39801	TIMKE	39801	39899	TIMKE	39899	39991	C-R	417357
396524	WHITE	473462	39802	TIMKE	415303	3989CA	SPG	1974	39991	C-R	455192!
396526C91	IH	370019A	3980267	GMC	9845	398GX	OSHKO	416654	39993	C-R	417357
3965B	JN-MN	473010	39803	TIMKE	39803	39900	TIMKE	39900	39994	C-R	417357
3965LPD	JN-MN	473010	39804	TIMKE	39804	39904	TIMKE	39904	39997	C-R	417357
3965LUP	JN-MN	473010	39805	MATHR	39805	39905	C-R	415035	39997	C-R	455192!

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39998 C-R		417357	3G19426 NATEN		415551	3M6853 CATER		451583!	40000320 FIAT		713051
39999 C-R		417357	3H1397 CATER		473228	3N0533 CATER		417171!	400003205 HERCU		485197H=
3999B JN-MN		418028	3H1589 LEYLD		470898	3NE-08 GEM		6597S	400003239 WHITE		416332!
3999B JN-MN		455137!	3H1590 CATER		415035	3NF-01 GEM		240949	40000350 FIAT		713032
399AMM3 C-R		415995!	3H2008 CATER		415899N	3NF12 GEM		6597S	40000410 IVECO		713133
399B230 C-R		416654*	3H2008 CATER		416624	3PS396 C-P		415449!	40000450 FIAT		226480
399B3 C-R		415995	3H2019 CATER		471787!	3R12521 GMC		416102	40000450 FIAT		713160
399B3 C-R		415995!	3H2118 LEYLD		472164!	3R8555 GMC		415683	40000460 FIAT		226480
399BM3 C-R		415995!	3H2129 AU-WS		471192	3R8556 GMC		416364!	40000470 FIAT		223035
399BM3 C-R		415995!	3H7047 AU-WS		473228!	3R8557 GMC		415294!	40000470 YUGO		223035
399C3 C-R		415995!	3H995 CATER		417343!	3R963 GMC		416865!	40000480 IVECO		713108
399C3 C-R		415995	3HF14 GEM		6597S	3S2214 CATER		473234!	40000490 FIAT		713065
399E3 C-R		415995	3J0366 CATER		412871!	3S2845 CATER		417555=	40000520 IVECO		713126
399FM28 C-R		471341!*	3J0370 CATER		413479*	3SPC22A NOVO		470059	40000560 IVECO		713114
399N230 C-R		416654	3J0371 CATER		416271!	3SPC22A NOVO		470380!	40000620 FI-AL		713085
399W228 C-R		416921!	3J0374 CATER		415938	3T1003 HU-WR		415379	40000660 IVECO		713139
399W228-M1 C-R		416921!	3J0375 CATER		415960	3T1003 HU-WR		415379!	40000690 IVECO		713112
399W3-M1 C-R		415995!	3J0377 CATER		415938	3T1004 HU-WR		470625!	40000720 FI-AL		713086
3A100 AT IM		476470	3J0378 CATER		472572!	3T1014 HU-WR		415449!	40000730 FI-AL		713083
3A2701 FMC		471870!	3J1516 CATER		416380!	3T1015 HU-WR		472636!	40000740 FI-AL		713079
3A2702 FMC		471271!	3J1813 CASE		417487	3T1026 HU-WR		471689!	40000770 FIAT		223620
3A2836 AT IM		474260	3J1813 CATER		417487!	3T1549 HU-WR		471765!	40000810 FIAT		223014
3A2925 AT IM		450545	3J1813 CATER		417487	3T1554 HU-WR		415442!	40000850 IVECO		713096
3A653 AT IM		471570!	3J1814 CATER		416364!	3T1554 HU-WR		55442	40000880 FI-AL		713080
3A669 AT IM		473467!	3J3153 FMC		472636!	3T1555 HU-WR		471652	40000950 IVECO		713109
3A75 AT IM		471267!	3J3154 FMC		417191	3T1572 HU-WR		473244	40000LDS JN-MN		473214!
3A76 AT IM		471760	3J3602 FMC		471271!	3T1641 HU-WR		7208S	40001 C-R		417357
3A89 AT IM		472705!	3J365 CATER		415458!	3T1746 HU-WR		240319	40001 C-R		455192!
3B1226 CATER		471821!	3J366 CATER		412871!	3W5694 CATER		416892	40001010 IVECO		713098
3B1508 CATER		471442!	3J368 CATER		415295=	3XE446 PARGN		411253!	40001020 IVECO		713088
3B3355 CATER		471224!	3J369 CATER		415988	3Y224 GWI		415001!	40001050 IVECO		713105
3B3443 CATER		473460	3J371 CATER		416271!	3Y393 CHRY		471141!	40001060 IVECO		713099
3B3443 WESTR		473460	3J372 CATER		415138!	3Y393 GWI		471141!	40001150 MERCE		222510
3B3657 CATER		415196!	3J373 CATER		471138!	3Y393 IH		471141!	40001150 MERCE		25X35X7!
3B3716 CATER		415021	3J374 CATER		415938	3Y393 WHITE		471141!	40001320 FI-AL		713082
3B3887 CATER		473426	3J375 CATER		415960	3Y569 GWI		472409!	40001440 IVECO		713100
3B3888 CATER		471504!	3J377 CATER		415938	4-1056 TW-CO		50631	40001460 FIAT		713028
3B5657 CATER		415196!	3J378 CATER		472572!	4-1062 TW-CO		5M497	40001570 IVECO		713120
3B5746 CATER		472287!	3J4407 CATER		471554	4-4055 IPS		473823	4000160 FIAT		713060
3B7360 CATER		415458!	3J4544 CATER		471466	4-7198 FLXIB		416865!	40001650 IVECO		713110
3B7360 WESTR		415458!	3J4776 CATER		473464	4-7198 TW-CO		416865!	40001720 YUGO		222510
3B8188 CATER		415899N	3J4777 CATER		410987!	4-AL1327 MACK		240023	40001720 YUGO		25X35X7!
3B8188 CATER		416624	3J484 CATER		415379	4-AL1328 MACK		471571	40001790 FIAT		713102
3B8564 CATER		474253!	3J8517 CATER		415295	40-0003205 WHITE		485197H=	40001790 IVECO		140X160X13!
3B8984 CATER		471137	3J8518 CATER		415138!	40-01642 TW-CO		473444	40001790 MERCE		140X160X13!
3B9008 CATER		417191	3J8519 CATER		415938	40-01643 TW-CO		473238!	40001860 FIAT		713048
3B9008 CATER		456585	3J8520 CATER		416364!	400 UNIVE		417357	40001880 IVECO		227540
3B9116 CATER		415991	3J8521 CATER		415027	400 UNIVE		455192!	40001880 IVECO		227550
3B9116 CATER		455146!	3J8523 CATER		415295	4000-1660 MERCE		1999	40001880 IVECO		75X100X12!
3B9369 CATER		416956	3J9091 CATER		472016	4000-1900 IVECO		229005	40001910 IVECO		100X130X12!
3B9378 CATER		417211!	3J9092 CATER		472016	4000-1900 IVECO		229006	40001910 IVECO		713090
3B9387 CATER		417211!	3J9681 CATER		415379	4000-1920 MERCE		416156	40001930 IVECO		125X150X12!
3BLA0236 WHITE		470898!	3K0158 CATER		455948	4000-1940 IVECO		231404	40001930 IVECO		231250
3CF1157 OLIVE		40085S	3K158 CATER		455948	4000-1940 MERCE		231404	40001930 MERCE		125X150X12!
3CF1209 OLIVE		411253!	3K2876 CATER		417484!	4000-3510 IVECO		717006	40001930 MERCE		231250
3CF1231 OLIVE		450400	3K2969 CATER		480630!	40000 C-R		417357	40001LDS JN-MN		415379
3D8417 CATER		415128	3K3065 CATER		473237!	40000010 FI-AL		713081	40001LDS JN-MN		415379!
3F0984 CATER		415351!	3K3354 CATER		416037=	40000040 FIAT		227040	40002 C-R		417357
3F1395 CATER		415196!	3K5093 CATER		457808*	40000050 YAT		224025	40002 C-R		455192!
3F3211 CATER		472439	3K6454 CATER		452157!	40000050 YUGO		224025	40002050 IVECO		713137
3F3709 CATER		472492!	3K9061 CATER		416037=	400001 WAYNE		417495	40002120 FIAT		713041
3F4991 CATER		471689!	3K9121 CATER		415035!	40000100 FIAT		713027	40002130 FIAT		713047
3F5791 CATER		415035!	3K9612 CATER		476470!	4000015 GMC		412920!	40002180 FIAT		713037
3F6605 CATER		471138!	3K9615 CATER		411253=	40000170 FIAT		713055	40002310 IVECO		713093
3F690 CATER		480630!	3K9619 CATER		476470!	40000220 IVECO		713118	40002440 FI-AL		713084
3F885 CATER		472439	3K9704 CATER		411376!	40000230 FIAT		713077	40002450 IVECO		713125
3F9351 NATEN		471191	3L0642 CATER		415302	40000240 FIAT		223275	40002540 AUTOB		713021
3F9351 NATEN		455165!	3L3313 CATER		416891!	40000240 FIAT		32X56X10!	40002600 IVECO		713144
3F9497 NATEN		416891!	3L3314 CATER		417262=	40000260 FIAT		222860	40002690 IVECO		713121
3F9498 NATEN		416891!	3L642 CATER		415302	40000260 FIAT		28X47X7!	40002741 FIAT		227409
3F984 CATER		415351!	3M188 CATER		471442!	40000280 IVECO		713130	40002810 FI-AL		713078
3FT39 OSHKO		471781!	3M6839 CATER		455029H=	40000300 FIAT		224220	40002850 IVECO		713092

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
40002900	FIAT	1963	400085	C-R	800085	40027S	TIMKE	471554	400455	C-R	800455
40002900	YUGO	1963	40009	DENCO	471766!	40028	C-R	415254	4004652+600392	SPG	600392
40003	C-R	417357	40009	JN-MN	HU013A	40028	CLARK	416921!	4004653	CUMMI	600394
40003	C-R	455192!	40009	SPG	240009	400280	C-R	800280	400487	UNIVE	415187
40003	JN-MN	HU024A	40009S	SPG	471466	400281	C-R	800281	400488	MICH	415187
40003-33	TW-CO	471765!	400100	C-R	800100	400284	C-R	800284	40049	C-R	415036*
400030	C-R	800030	400101	C-R	800101	400285	C-R	800285	400499	UNIVE	415035!
40003080	FIAT	713068	400104	C-R	800104	4003	C-R	415995!	4005	STEM	HU005A
40003260	IVECO	713127	4001040	IVECO	713129	4003	CABOT	415995!	400500	C-R	800500
40003270	FIAT	713025	400105	C-R	800105	4003	FAIRB	415995!	400500	MICH	415035
40003300	FIAT	713061	400120	C-R	800120	4003	GR-DV	415995!	400500	MICH	415035!
40003310	FIAT	713056	400121	C-R	800121	4003	GW	415995!	400500D	OLIVE	204007=
400034	C-R	800034	400124	C-R	800124	400300	C-R	800300	400501	C-R	800501
40003610	AUTOB	713020	400125	C-R	800125	40030004	TROS	45013S	400504	C-R	800504
4000370	IVECO	713122	400130	C-R	800130	40030007	TROS	415995!	400505	C-R	800505
40003710	IVECO	713124	400134	C-R	800134	40030007.5	TROS	415995!	40051	C-R	415036
40003990	YUGO	226480	400140	C-R	800140	40030007C	TROS	415995!	400512	UNIVE	417356!
40004	C-R	417357	400141	C-R	800141	40030007C	TROS	415995!	400512	UNIVE	455188
400040	C-R	800040	400144	C-R	800144	40030009.25	TROS	415995!	400513	MICH	417356!
40004000	FIAT	713072	4001449	ALLCH	472394	40030009.25	TROS	415995!	400513	MICH	455188
40004030	FIAT	713030	40014490	ALLCH	472394	40030010	TROS	415995!	40052	C-R	415036
40004110	FIAT	713049	400145	C-R	800145	40030010	TROS	415995!	400525	MICH	417357
40004170	FIAT	713058	4001456	ALLCH	472394	400301	C-R	800301	400525	MICH	455192!
40004190	FIAT	713071	4001459	GW	415295	400304	C-R	800304	40053	SPG	473213!
40004200	FIAT	713033	400160	C-R	800160	400305	C-R	800305	40053S	NATL	473213!
40004210	FIAT	713052	400161	C-R	800161	40030807.5	TROS	416404!	40055	SPG	43089S
40004230	FIAT	713026	400164	C-R	800164	40030812	TROS	416404!	400550	C-R	800550
40004240	FIAT	713039	400165	C-R	800165	400320	C-R	800320	400550	MICH	415036
40004250	FIAT	713042	40018	SPG	471264	400321	C-R	800321	400550	UNIVE	415036*
40004270	FIAT	224025	400180	C-R	800180	400324	C-R	800324	400551	C-R	800551
40004270	FIAT	713159	400181	C-R	800181	400325	C-R	800325	400554	C-R	800554
40004280	FIAT	226480	400184	C-R	800184	40034	C-R	417158!	400555	C-R	800555
40004280	FIAT	713161	400185	C-R	800185	40034M1	C-R	416404!	400575	MICH	415041
40004280	FIAT	713162	40019	AMC	6356	40035	C-R	370015A	400575	UNIVE	415041*
40004290	FIAT	227040	4001OS	JN-MN	472636!	400350	C-R	800350	40059	SPG	40059S
40004310	FIAT	713075	4002	C-R	55524	400351	C-R	800351	40059S	TIMKE	40059S
40004320	FIAT	713043	400200	C-R	800200	400354	C-R	800354	40060	GARLK	471442!
40004330	ALFAR	713004	400201	C-R	800201	400355	C-R	800355	400600	C-R	800600
40004350	FIAT	713069	400204	C-R	800204	40036	C-R	416130!*	400600	MICH	417509
400044	C-R	800044	400205	C-R	800205	40037	GEM	471224!	400600	UNIVE	417509
40004400	FIAT	713040	40021	C-R	416130!	40038	C-R	417433	400601	C-R	800601
40004450	AUTOB	713022	400216	C-R	455655!	400380	C-R	800380	400604	C-R	800604
40004460	FIAT	223035	400216M1	C-R	455655!	400381	C-R	800381	400605	C-R	800605
40004620	FIAT	713067	400220	C-R	800220	400384	C-R	800384	40061S	SPG	6241S
40004630	FIAT	713066	400221	C-R	800221	400385	C-R	800385	400625	MICH	417223
40004670	FIAT	713029	400224	C-R	800224	40039LDS	JN-MN	65X100X10*	4006253	EUCLD	417017=
4000467R91	IH	416404!	400224M1	C-R	416706!	4003CR	F-R-H	415995!	4006253	GMC	417017=
40004750	FIAT	713050	400225	C-R	800225	4003DBL	GW	415995!	4006255	EUCLD	417607
40004760	FIAT	713038	400226	C-R	475384	4003DBL	GW	415995!	4006255	GMC	417607
40004780	FIAT	713035	400226M1	C-R	475384	4003M1	C-R	415995!	4006256	GMC	JV1808=
40004810	AUTOB	713019	400228	C-R	416921!	4003T	C-R	415995!	4006257	EUCLD	417115
40004840	FIAT	713036	400228K	CLARK	416921!	40040	C-R	370015A	4006257	GMC	417115
40004870	FIAT	713053	400228M1	C-R	416921!	400400	C-R	800400	4006258	GMC	JV1759=
40004880	FIAT	713062	40023	C-R	416130!	400401	C-R	800401	4006259	EUCLD	417016
400050	C-R	800050	40023	GEM	480630!	400404	C-R	800404	4006259	GMC	417114=
400051	C-R	800051	40023	MACK	480630!	400405	C-R	800405	4006260	GMC	JV1760=
4000527R91	IH	417351!	400230	C-R	416654!	40041	C-R	416130!*	4006261	GMC	417018=
4000531R91	IH	476470!	400230M1	C-R	416654!	40041	JN-MN	HU066A	4006263	EUCLD	416951
4000531R91	IH	476470	400235	JEFF	473231	4004130	EUCLD	417554!	4006263	GMC	416951
400054	C-R	800054	40024807	TROS	416706!	4004130	GMC	417554!	4006264	GMC	JV1850=
400055	C-R	800055	40024807C	TROS	416706	4004136	GMC	J1138	40063	SPG	7886S
400060	C-R	800060	400250	C-R	800250	4004199	GMC	J1136	40063S	TIMKE	40063S
400061	C-R	800061	400251	C-R	800251	40042	C-R	416130!	40064	SPG	471821!
400064	C-R	800064	400254	C-R	800254	40042LDS	JN-MN	416271!	40064S	NATL	471821!
400065	C-R	800065	400255	C-R	800255	40043	C-R	416130!	400650	C-R	800650
400070	C-R	800070	40025607.5	TROS	416921!	40043LDS	JN-MN	473231!	400651	C-R	800651
400071	C-R	800071	40025610	TROS	416921!	40044	C-R	416130!	400654	C-R	800654
400074	C-R	800074	40026004	TROS	43086S	4004496	GMC	415303!	400655	C-R	800655
400075	C-R	800075	40026007.5	TROS	416654!	40045	C-R	416130!	400659	C-R	710045
400080	C-R	800080	40026009.25	TROS	416654	400450	C-R	800450	400667	RACIN	450188
400081	C-R	800081	40026010	TROS	416654	400451	C-R	800451	40067	TROS	40067S=
400084	C-R	800084	40027	SPG	471554	400454	C-R	800454	4006B	JN-MN	416476!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
4007 STEM	HU007A	40098 TROS	473464	401101 C-R	801101	401450R91 IH	450096H=
40070 SPG	472185!	400A228 C-R	416921!*	4011035 WOOL	55301S	401451R91 IH	450096H=
400700 C-R	800700	400A3 C-R	415995!	401104 C-R	801104	401452R91 IH	472185=
400701 C-R	800701	400AM3 C-R	415995!	401105 C-R	801105	401453R91 IH	472185=
400704 C-R	800704	400AMM3 C-R	415995!	40111 C-R	415041	40146 C-R	370023A
400705 C-R	800705	400B224 C-R	416706*	40115616 TROS	6127	40146 C-R	370036A
40071 SPG	40071S	400B228 C-R	416921!*	40117 SPG	42421S	40146 C-R	370349A
40071S TIMKE	40071S	400B3 C-R	415995	401179 ALLCH	472016	40146 C-R	380036A
40072 C-R	415036	400B3 C-R	415995!	401180 ALLCH	471734	401468 CONTI	471442!
40072 GARLK	471526!	400BM228 C-R	416921!*	40119 SPG	240119	401469 CONTI	471538!
40075 MASTE	340413	400BM3 C-R	415995	4011CG-13 IH	473228!	40147 C-R	370036A
40075 TROS	450073	400BM3 C-R	415995!	40120 C-R	415041*	40147 C-R	380023A
400750 C-R	800750	400C3 C-R	415995	40120 NATL	471224	401470 CONTI	471267!
400751 C-R	800751	400C3 C-R	415995!	401200 C-R	801200	401471 CONTI	471652
4007535 GMC	JV1127=	400C3 GWI	415995!	401201 C-R	801201	401472 ALLCH	450173
400754 C-R	800754	400C3 GWI	415995!	401204 C-R	801204	401472 CONTI	450173
400755 C-R	800755	400CMM3 C-R	415995	401205 C-R	801205	401500 C-R	801500
40077 C-R	417507	400CMM3 C-R	415995!	401218C91 IH	472015!	401501 C-R	801501
40078 C-R	417507	400D550 CONE	5170	401218C92 IH	472015	401502 C-R	801502
4007B JN-MN	418028	400F224 C-R	416706!	401219C91 IH	415379	401504 C-R	801504
4007B JN-MN	455137!	400F3 C-R	415995!	401219C92 IH	3893V!	401505 C-R	801505
4007B391 WGEAR	450536	400FF3 C-R	45013S	401219C92 IH	415379!	401506 C-R	801506
4007B391 WGEAR	471535!	400G228 C-R	43086S	40129 C-R	370036A	40151 AMC	450084!
40080 C-R	417507	400G3 C-R	45013S	40129 C-R	370349A	40154 SPG	40154S
40080 C-R	417507!	400HD3 C-R	45013S	40129 C-R	380036A	40154S TIMKE	40154S
400800 C-R	800800	400M3-L C-R	415995!	4012X SPG	4012	4015601 EUCLD	415035
400801 C-R	800801	400N230 C-R	416654	40130 C-R	370036A>	4015602 EUCLD	416865
400804 C-R	800804	400W22-M1 C-R	416921!	40130 C-R	370349A%	40157 SPG	471760
4008049 ALLCH	J1929	400W226 C-R	475384*	40130 C-R	380036A	40157S TIMKE	471760
400805 C-R	800805	400W228 C-R	416921!	401300 C-R	801300	40158 C-R	417223
40081 GARLK	471472!	400W230 C-R	416654!	401301 C-R	801301	40160 C-R	417223
40082 C-R	417507	400W230-M1 C-R	416654!	401304 C-R	801304	40160 SPG	471763
40082 C-R	417507!	400W230-T8 C-R	416654!	401305 C-R	801305	401600 C-R	801600
40084 AMC	450040	400W3 C-R	415995!	40132SA SPG	412920	401601 C-R	801601
40084 C-R	417507	400W3-M1 C-R	415995!	40133 AMC	473215!	401602 C-R	801602
40084 C-R	417507!	400W500 CONE	5526	40133 C-R	370036A>	401604 C-R	801604
400842R91 IH	410737!	401000 C-R	801000	40133 C-R	370349A%	401605 C-R	801605
40085 C-R	417507	40100050 IVECO	713104	40133 C-R	380036A>	401606 C-R	801606
40085 SPG	40085S	401001 C-R	801001	40134 C-R	370036A>	40160S TIMKE	471763
400850 C-R	800850	40100110 IVECO	713091	40134 C-R	370349A%	40161 C-R	417223
400851 C-R	800851	40100140 IVECO	713128	40134 C-R	380036A>	40162 SPG	471765
400854 C-R	800854	40100350 FIAT	713046	4013493 WABCO	456799=	40162C29 IH	450084!
400855 C-R	800855	401004 C-R	801004	40135 C-R	370036A>	40162S TIMKE	471765
400855C91 IH	370007A	40100460 IVECO	713089	40135 C-R	370349A%	40163 SPG	471766
40085S TIMKE	40085S	40100480 IVECO	713135	40135 C-R	380036A>	40166 GMC	416654!
40086 C-R	417507	401005 C-R	801005	40136 C-R	370036A>	40166 TROS	224045
40088 C-R	417507	40100670 IVECO	713111	40136 C-R	370349A%	40166 TROS	40X62X12!
40089 C-R	417507=	40100790 IVECO	713116	40136 C-R	380036A>	40169 SPG	40169S
4008999 GWI	472439	40101 C-R	415041	40136 OLIVE	415001!	40169S TIMKE	40169S
4008BX SPG	1012	40101 SPG	40101S	40138 C-R	417509	401700 C-R	801700
4008BX SPG	1012N	40101340 IVECO	713095	40139 C-R	370036A>	401701 C-R	801701
4008BX SPG	45X62X8!	40101620 IVECO	713142	40139 C-R	370349A%	401702 C-R	801702
400900 C-R	800900	40101730 IVECO	713113	40139 C-R	380023A	401704 C-R	801704
400901 C-R	800901	40101S TIMKE	40101S	40139 C-R	380036A>	401705 C-R	801705
400904 C-R	800904	401024 GMC	5109	4014 STEM	HU014A	401706 C-R	801706
400905 C-R	800905	401026 GMC	5123	40140 C-R	417509	40175 AMC	473367
40091 C-R	370065A	40103 TROS	6064	40140 SPG	471413	40175 AMC	473367!
40091 C-R	370349A	4010470 IVECO	713141	401400 C-R	801400	401774 WAYNE	413247!
40091 C-R	380036A	4010490 IVECO	713138	401401 C-R	801401	401775 WAYNE	416654!
40092 C-R	415041	40107 IRON	471270!	401402 C-R	801402	401783 JEFF	415449!
400927 CONTI	417191	4010784 GWI	417501	401404 C-R	801404	401800 C-R	801800
400927 CONTI	455165!	40108 C-R	415041	401405 C-R	801405	401801 C-R	801801
400929 WAYNE	473467!	40108 IRON	474254	401406 C-R	801406	401802 C-R	801802
40094 SPG	40094S	40108 SPICE	3543	40140S TIMKE	471413	401804 C-R	801804
40094S TIMKE	40094S	40108-1 SPICE	3543	40141 C-R	417509	401805 C-R	801805
400950 C-R	800950	40108-2 SPICE	3543	40141 NATL	470954	401806 C-R	801806
400951 C-R	800951	40109 SPICE	330385	401418D OLIVE	472560N	4018068 GMC	415379
400954 C-R	800954	40109-3 SPICE	340835	401418E OLIVE	472560N	4018069 GMC	412473!
400955 C-R	800955	4010900 FIAT	222860	401418E WHITE	472560N	4018377 GMC	415227!
400966D OLIVE	254270	4010900 FIAT	28X47X7!	401440D OLIVE	6590S	40184 NATL	471571
40097 SPG	40097S	40110 C-R	415041	401440E MINNM	6590S	40185 TIMKE	40185
40098 TROS	473464!	401100 C-R	801100	401440E OLIVE	205009=	401872R91 IH	295113=

! Industrial Size/Type * Minor Width Difference > Hub Mount % Spindle Mount = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
4019	STEM	HU019A	4026706	ALLCH	J1081	40389	SPG	40389S	4048B	JN-MN	416666
401900	C-R	801900	402726	ALLCH	411253!	403899	GMC	8705S	4049266	CHRY	5650
401901	C-R	801901	402750	C-R	802750	40389S	TIMKE	40389S	40492SA	TRSCM	345035
401902	C-R	801902	402752	C-R	802752	4038RBR	SPG	712375	40492SA	TRSCM	415035
401904	C-R	801904	402754	C-R	802754	40392	TIMKE	40392	40492SA	TRSCM	475845!
401905	C-R	801905	402756	C-R	802756	40395	TIMKE	472354	40494	SPG	40494S
401905R91	IH	417509	40285	SPICE	6358	40395S	NATL	472354	404941	O-M	471737
401906	C-R	801906	402856R91	IH	416125!	40395S	TIMKE	472354	40494S	TIMKE	40494S
40191	SPICE	473814	40286	TIMKE	40286	40398	SPG	471267!	40494TA	TRSCM	415035!
40191	VIC	473814	4028862	ALLCH	7568	403VB7	MARI	415035!	404VB7	MARI	415036
401914R91	IH	412943	4028922	ALLCH	7568	403VB7	MARI	415035	405000	C-R	805000
4019164	EUCLD	9555S	4028992	ALLCH	J1828=	404	UNIVE	416891!*	405002	C-R	805002
401918	GMC	9762S	4028OS	JN-MN	415984!	40400	GMC	470088	405003	C-R	805003
401990	C-R	801990	4029399	ALLCH	417360	40400	NATL	42352S	405004	C-R	805004
401991	C-R	801991	4029502	ALLCH	417360	40400	SPICE	8312	405008XX	TIMKE	40X50X8
401994	C-R	801994	4029556	ALLCH	J1828=	404000	C-R	804000	4050229	ALLCH	470088
401995	C-R	801995	402Y128	C-R	6127	404002	C-R	804002	4050298	ALLCH	410694!
4019N	TIMKE	4019N	403000	C-R	803000	404004	C-R	804004	4050B	JN-MN	473225!*
401D2	WHITE	417134	403002	C-R	803002	404006	C-R	804006	4050D	GOODM	416865!
401HH101	DANA	4624N	403004	C-R	803004	40401	TIMKE	40401	4050LPD	JN-MN	473225!
401HH101	DANA	4624V	403006	C-R	803006	40402	NATL	42763	4051	NATL	5697
401HH102	DANA	710008	40301	SPG	40301S	40402	WMG	42763	405103	C-R	805103
401HH103	DANA	4624V	40301S	TIMKE	40301S	40403	DANA	710065	40519	SPG	442380
402000	C-R	802000	40301XAR	SPG	40301S	40403	SPICE	710065	4051B	JN-MN	415090*
4020015	ALLCH	416888	40301XXR	SPG	40301S	404031	SPICE	710065	40520	SPG	40520S
402002	C-R	802002	40302	TROS	450274	40408	ALLCH	470530!	405203	C-R	805203
402004	C-R	802004	403066R91	IH	335924N	4040H20	JA-MI	416288!	405207XX	TIMKE	40X52X7
402006	C-R	802006	4030B	JN-MN	471192	4040H20	JAE	416288!	40520S	TIMKE	40520S
40201	GARLK	471466!	4031	STEM	HU031A	4040N	TIMKE	4040N	405225	H-S	43086S
40201	TROS	414045!	40316	SPG	40316S	40410	SPG	40410S	40522S	TIMKE	40522S
40202	CUSH	471571	40316S	TIMKE	40316S	40410S	TIMKE	40410S	4052468	FIAT	224220
40202C	CUSH	471571	4032450	CHRY	4250	404116	GMC	8705S	4052468	FIAT	42X56X7!
40208	TIMKE	40208	403250	C-R	803250	40416	NATL	351487	4052468	FIAT	494117
40210	C-R	370023A	403252	C-R	803252	40420	ALLCH	415001!	40524SA	TRSCM	455192!
40210+77801	C-R	370023A	403254	C-R	803254	40427	GARLK	470954!	405285	JEFF	417600
40213	GARLK	471264!	403256	C-R	803256	404294	GMC	2043	405297	JEFF	472492!
40217	SPG	471647	403284	GMC	9762S	40433S	TIMKE	40433S	4052D	GOODM	417541
40218	AMC	481864	4033	EATON	415988	40434Q6	C-R	6754S=	40530	C-R	55193*=
402200	C-R	802200	403307	GMC	9912	40435	SPG	240435	405303	C-R	805303
402202	C-R	802202	40330807	TROS	6754S=	40438	SPG	40438S	405366C91	IH	417487
402204	C-R	802204	4033261	ALLCH	416865!	40438S	TIMKE	40438S	405366C91	IH	417487!
402206	C-R	802206	40337	SPG	40337S	4043977	ALLCH	415035!	405367C91	IH	417484!
4022497	CUMMI	5741	40337S	TIMKE	40337S	4043977	ALLCH	415035	405368C91	IH	415960
40225	C-R	102X125X12	40350	C-R	455037	40439770	ALLCH	415035	4053B	JN-MN	417344!
40225	GARLK	471255!	403500	C-R	803500	40439770	ALLCH	415035!	40540	C-R	55193*=
40230	SPG	471689	403502	C-R	803502	4044	STEM	HU044A	405403	C-R	805403
40230S	TIMKE	471689	403504	C-R	803504	40440	VIC	5MR1300	405406XX	TIMKE	40X54X6
40236	ALLCH	415196!	403506	C-R	803506	40446	GARLK	471554!	4054B	JN-MN	417181!*
40237	GARLK	471564	40351	SPG	43071S	404489R91	IH	415025	405500	C-R	805500
40244	SPG	471787	4035756	EUCLD	417608	404499	UNIVE	455134!*	405502	C-R	805502
40245	C-R	102X130X13	4035756	GW	417608	404500	C-R	804500	405503	C-R	805503
4024561	ALLCH	473239	4035RBR	SPG	712937	404502	C-R	804502	405504	C-R	805504
4024562	ALLCH	456641	40360	C-R	6864S	404503	C-R	804503	405506XX	TIMKE	40X55X6
402477	JEFF	472397!	40360	SPG	40360S!	404504	C-R	804504	405508XX	TIMKE	40X55X8
40248	C-R	102X130X13!	4036046	ALLCH	417360	404506	C-R	804506	4055358	FIAT	1077=
402480	JEFF	415035!	40360S	TIMKE	40360S	404525	MICH	415142*	4055358	FIAT	223535
402480	JEFF	415035	403689	WHITE	473473	404525	UNIVE	415142*	40554	SPICE	4244
4024B	JN-MN	415482	40369	SPG	40369S	404550	MICH	417512	40555	TIMKE	40555
402500	C-R	802500	403692D	OLIVE	204002	404550	UNIVE	417512*	40555S	NATL	40555S
402502	C-R	802502	4036RBR	SPG	722250	404575	MICH	415043	40555S	TIMKE	40555S
402504	C-R	802504	40370	SPG	40370S	404575	UNIVE	415043*	40556	SPG	471821!
402506	C-R	802506	40370S	TIMKE	40370S	40458	GARLK	471567!	40558S	SPG	240435
402525	MICH	55193*=	40375	TIMKE	40375	4045D	SHEP	411253!	40560	TROS	1163=
402525	UNIVE	55193*=	403750	C-R	803750	404600	MICH	455203	405603	C-R	805603
402550	MICH	455037	403752	C-R	803752	404600	UNIVE	455203	405607XX	TIMKE	40X56X7
402550	UNIVE	455037*	403754	C-R	803754	404625	MICH	455056	405610XX	TIMKE	40X56X10
402575	MICH	455024	403756	C-R	803756	404625	UNIVE	455056*	40564SA	TRSCM	417507!
40259	GEM	450593!	40379300	FIAT	713073	40463-4-1X	SPICE	39930	40566	NATL	40566S
40260	TROS	1012	4037B	JN-MN	417541*	40463-6-1X	SPICE	39920	40566	TROS	40566S
40260	TROS	1012N	4037RBR	SPG	712625	404631	SPICE	330749V	40566	WMG	40566S
40263	TROS	415437	40382	TIMKE	474276	40468	TIMKE	40468	405661	ALLCH	416706
40267	MANT	416229	40385S	NATL	330385!	40488	GARLK	471643!	40566S	TIMKE	40566S

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
40568	SPG	40568S		40773	SPICE	409500	C-R
40568S	TIMKE	40568S		407760	EATON	409503	C-R
40570	SPICE	710204		407803	C-R	40950S	JN-MN
4057006	CHRY	3173		407808XX	TIMKE	40965	HYST
4057006	CHRY	710928		407810	EVERS	40965	HYST
405703	C-R	805703		407810XX	TIMKE	4097	STEM
405710XX	TIMKE	40X57X10		40782S	SPG	409704	WHITE
40576	SPG	40576S		40787	SPG	40973	SPG
40576S	TIMKE	40576S		40787S	NATL	40973S	TIMKE
4057B4	WGEAR	471651		4078S	SPG	4097B	JN-MN
4057B5	WGEAR	416664!		40793	SPICE	4097B	JN-MN
405803	C-R	805803		40793-2	DANA	4098B	JN-MN
4058047	CHRY	2506		4079B	JN-MN	4099	TIMKE
405808XX	TIMKE	40X58X8		4079T2	WHITE	409910	CATER
405810XX	TIMKE	40X58X10		407VB7	MARI	409RC	SUL
40590	C-R	455037		408	UNIVE	409VB7	MARI
405903	C-R	805903		408000	C-R	40X50X8AN(35)	ISP
405VB7	MARI	416891!		408003	C-R	40X52X7SC	TRSCM
40600	CASE	473214		408010A	HARWA	40X52X7SC	TRSCM
406000	C-R	806000		408010XX	TIMKE	40X52X7TC	TRSCM
406002	C-R	806002		4080B	JN-MN	40X54X55TB	TRSCM
406003	C-R	806003		408239	ALLCH	40X54X6SC	TRSCM
406003	US-EL	481537		40825613	TROS	40X54X6TC	TRSCM
406004	C-R	806004		40830009	TROS	40X55X6SC	TRSCM
40601	CASE	417486		40830409	TROS	40X55X6TC	TRSCM
406010XX	TIMKE	40X60X10		40830809	TROS	40X55X7	NATL
40602	CASE	471795		40830811	TROS	40X55X7	NATL
40603	CASE	473228		408342	CATER	40X55X7	NATL
40604DM	IH	417196!		408450	CATER	40X55X8SB	TRSCM
40607	CASE	471795		408500	C-R	40X55X8SC	TRSCM
406078	GMC	9912		408503	C-R	40X55X8TC	TRSCM
406085	BUC-E	412871!		408525	MICH	40X56X10SC	TRSCM
406089	GMC	8940S		408525	MICH	40X56X10TC	TRSCM
40610	CASE	415991		408525	UNIVE	40X56X7ASN	ISP
40610	CASE	415991!		408525	UNIVE	40X57X10SC	TRSCM
406103	C-R	806103		408537	GMC	40X57X10TC	TRSCM
40613	CASE	471466!		408537	UNIVE	40X58X10	NATL
40614	CASE	471689!		408538	MICH	40X58X10	NATL
40615	CASE	471424!		408550	MICH	40X58X10	NATL
40616	CASE	472299		408550	UNIVE	40X58X10SC	TRSCM
40619	CASE	470898		408575	MICH	40X58X10TC	TRSCM
4061919	ALLCH	472164!		408575	UNIVE	40X58X8AN	ISP
406203	C-R	806203		408600	MICH	40X60X10SC	TRSCM
406207XX	TIMKE	40X62X7		408600	UNIVE	40X60X10TC	TRSCM
406208XX	TIMKE	40X62X8		408605	ALLCH	40X60X9	ISP
406212XX	TIMKE	40X62X12		408612	UNIVE	40X62X11	NATL
40622	CASE	455151		40861A	C-R	40X62X12SC	TRSCM
40627	SPG	40627S=		40861S	TROS	40X62X12TC	TRSCM
406279	CATER	471689!		408625	MICH	40X62X7AN(35)	ISP
406295R2	IH	JV1673=		408638	H-S	40X65X10SC	TRSCM
40629S	SPG	481537		408662	BUC-E	40X65X10TC	TRSCM
406303	C-R	806303		4086649	CHRY	40X68X12	SIMRT
40633	AMC	471141		4087B	JN-MN	40X68X12SC	TRSCM
40633	CASE	471141		40880D	IH	40X68X12TC	TRSCM
40634	CASE	471835!		408900	RACIN	40X68X8(35)	ISP
40635	CASE	415498		4089297	CHRY	40X70X8SC	TRSCM
40635	HYST	415498		408A15204.5	TROS	40X70X8TC	TRSCM
40635	VIC	9613S		408VB7	MARI	40X72X7	FORSH
40637	CASE	470954!		409000	C-R	40X72X7	SIMRT
40638	CASE	473229		409003	C-R	40X72X7TC	TRSCM
40639	CASE	473228		409008XX	TIMKE	40X72X7TC	TRSCM
40640	CASE	417344!		409145	WHITE	40X75X8AS	ISP
406403	C-R	806403		409145	WHITE	40X78X10SC	TRSCM
40641	CASE	416865!		40920	TROS	40X78X10TC	TRSCM
40642	CASE	471224!		409208	GMC	40X78X8SC	TRSCM
40646	CASE	200110		409208	GMC	40X78X8TC	TRSCM
406464	CATER	473196=		40922	TROS	40X80X10	FORSH
406500	C-R	806500		409235	GMC	40X80X10	SIMRT
406503	C-R	806503		4093S	SPG	40X80X10SC	TRSCM
406510XX	TIMKE	40X65X10		409456	BENDI	40X80X10TC	TRSCM
406525	MICH	455194*		4094810	CHRY	40X90X8AN(35)	ISP
406525	UNIVE	455194*		4094829	CHRY	410000	C-R
40652S	TIMKE	471766		40773	SPICE	409500	C-R
406550	MICH	417513		407760	EATON	409503	C-R
406550	UNIVE	417513*		407803	C-R	40950S	JN-MN
406575	MICH	417514		407808XX	TIMKE	40965	HYST
406575	UNIVE	417514*		407810	EVERS	40965	HYST
40658	CASE	43089S		407810XX	TIMKE	4097	STEM
40659	CASE	472439		40782S	SPG	409704	WHITE
4065B	JN-MN	455121*		40787	SPG	40973	SPG
406600	MICH	455024		40787S	NATL	40973S	TIMKE
406600	UNIVE	417515		4078S	SPG	4097B	JN-MN
406625	MICH	417516		40793	SPICE	4097B	JN-MN
406625	UNIVE	417516		40793-2	DANA	4098B	JN-MN
406651R91	IH	470625!		4079B	JN-MN	4099	TIMKE
406660	US-EL	471466		4079T2	WHITE	409910	CATER
406748	GMC	225230		407VB7	MARI	409RC	SUL
406748	GMC	52X72X8!		408	UNIVE	409VB7	MARI
406752	GMC	224520		408000	C-R	40X50X8AN(35)	ISP
406752	GMC	45X60X10!		408003	C-R	40X52X7SC	TRSCM
40678	GARLK	471267!		408010A	HARWA	40X52X7SC	TRSCM
406808XX	TIMKE	40X68X8		408010XX	TIMKE	40X52X7TC	TRSCM
406812A	HARWA	40X68X12		4080B	JN-MN	40X54X55TB	TRSCM
406812XX	TIMKE	40X68X12		408239	ALLCH	40X54X6SC	TRSCM
40684	SPICE	8314		40825613	TROS	40X54X6TC	TRSCM
40684-1	SPICE	8314		40830009	TROS	40X55X6SC	TRSCM
40687	GARLK	471570!		40830409	TROS	40X55X6TC	TRSCM
406898	EATON	416865		40830809	TROS	40X55X7	NATL
4068B	JN-MN	416892!		40830811	TROS	40X55X7	NATL
406902R91	IH	471341!		408342	CATER	40X55X7	NATL
406903	C-R	806903		408450	CATER	40X55X8SB	TRSCM
40699A	C-R	6846S=		408500	C-R	40X55X8SC	TRSCM
4069B	JN-MN	471272!		408503	C-R	40X55X8TC	TRSCM
406VB7	MARI	415045!		408525	MICH	40X56X10SC	TRSCM
406W550	CONE	5170		408525	MICH	40X56X10TC	TRSCM
406W600	CONE	5537		408525	UNIVE	40X56X7ASN	ISP
407000	C-R	807000		408525	UNIVE	40X57X10SC	TRSCM
407003	C-R	807003		408537	GMC	40X57X10TC	TRSCM
407008XX	TIMKE	40X70X8		408537	UNIVE	40X58X10	NATL
40701	TROS	5419		408538	MICH	40X58X10	NATL
407011	BUC-E	474278!		408550	MICH	40X58X10	NATL
407039	FALKC	415991		408550	UNIVE	40X58X10SC	TRSCM
407039	FALKC	455146!		408575	MICH	40X58X10TC	TRSCM
407071	BUC-E	450400		408575	UNIVE	40X58X8AN	ISP
40709	SPICE	4250		408600	MICH	40X60X10SC	TRSCM
4070B	JN-MN	418028		408600	UNIVE	40X60X10TC	TRSCM
4070B	JN-MN	455137!		408605	ALLCH	40X60X9	ISP
40710	SPICE	710043		408612	UNIVE	40X62X11	NATL
40712	DANA	722109		40861A	C-R	40X62X12SC	TRSCM
407135	CATER	417211!		40861S	TROS	40X62X12TC	TRSCM
407136	CATER	415991		408625	MICH	40X62X7AN(35)	ISP
407136	CATER	455146!		408638	H-S	40X65X10SC	TRSCM
40715	GARLK	471646!		408662	BUC-E	40X65X10TC	TRSCM
4071B	JN-MN	473245!		4086649	CHRY	40X68X12	SIMRT
4072	TIMKE	4072		4087B	JN-MN	40X68X12SC	TRSCM
407207A	HARWA	40X72X7		40880D	IH	40X68X12TC	TRSCM
407207XX	TIMKE	40X72X7		408900	RACIN	40X68X8(35)	ISP
407250	C-R	807250		4089297	CHRY	40X70X8SC	TRSCM
407288	BUC-E	412040		408A15204.5	TROS	40X70X8TC	TRSCM
4072N	TIMKE	4072N		408VB7	MARI	40X72X7	FORSH
40730	GARLK	470590		409000	C-R	40X72X7	SIMRT
407407	BUC-E	471341!		409003	C-R	40X72X7TC	TRSCM
4075	STEM	H075		409008XX	TIMKE	40X72X7TC	TRSCM
407500	C-R	807500		409145	WHITE	40X75X8AS	ISP
407503	C-R	807503		409145	WHITE	40X78X10SC	TRSCM
407543	ALLCH	472164!		40920	TROS	40X78X10TC	TRSCM
407544	ALLCH	40494S		409208	GMC	40X78X8SC	TRSCM
4075HG	SPG	714075		409208	GMC	40X78X8TC	TRSCM
40760	TROS	226020		40922	TROS	40X80X10	FORSH
40760	TROS	60X80X8!		409235	GMC	40X80X10	SIMRT
407636700	REINZ	25598		4093S	SPG	40X80X10SC	TRSCM
40769	SPG	40769S		409456	BENDI	40X80X10TC	TRSCM
40769S	TIMKE	40769S		4094810	CHRY	40X90X8AN(35)	ISP
40771S	NATL	340771		4094829	CHRY	410000	C-R

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
410003	C-R	810003	410310	SPG	473242	410755	SPG	473230!	411394	NATL	411394
410005	SPG	471526!	410312	SPG	472016!	410755S	TIMKE	410755S	411394	TIMKE	411394
410027	NATL	471554!	410312L	C-R	415442	41079	HYST	470954!	4113B	JN-MN	471762!
41004	GARLK	471224!	410312L	C-R	55442	410791VGR	SPG	471466	4113S	SPG	710800
41004	TROS	330385!	410312N	TIMKE	472016	4107B	JN-MN	416921!	411414	SPG	412473!
410040	SPG	450040	410312N	WMG	472016	410825	TIMKE	410825	4114S	SPG	710925
410049	NATL	471750!	410314	SPG	473243	4108542	FIAT	2000	41150	C-R	455134!
410055	SPG	473215!	410316	TIMKE	472636	4108542	FIAT	224235	411500	C-R	811500
410059	NATL	470059	410316N	TIMKE	472636	4108542	FIAT	42X58X7!	411500	TIMKE	411500
410059	TIMKE	410059	410322	SPG	412040	410855	TW-CO	470625!	411501315	VW	1969
410060V	C-R	452222	410330	SPG	470605!	410857	TW-CO	40468	411501315	VW	48X63X9!
410066	NATL	473367	41035	SPICE	455194	410867	SPG	470898	411509RA	SPG	411509N*
410066	SPG	473367	410350	SPG	413247!	410867N	TIMKE	470898	41151	C-R	455134!
410067	SPG	473228!	41035000470837	MACK 120X140X13!		410895	SPG	471554!	41152	C-R	5526
410069	SPG	473232!	41035000470837	MACK	717004	410972N	TIMKE	413470	41155	C-R	455134!
410070	SPG	472185!	410352	NATL	472164!	410987	NATL	410987	41156	C-R	455134!
410071	NATL	472439	410358	NATL	473231!	410987	NATL	450686	411627-02-BD	RELEE	471272!
410076	NATL	470334!	410359	SPG	473448	410987	TIMKE	410987	411627-02-BH	RELEE	471138!
41008	TROS	1110	410360	SPG	471870!	410989	NATL	470989	411627-02-CA	RELEE	415559
410082	SPG	473238!	410365	SPG	470898	410989SSR	BRWNG	470989	411627-02-CF	RELEE	415138=
410083	NATL	472924!	410389	SPG	472492!	4109B	JN-MN	417349	411627-02-CJ	RELEE	416865!
410083	WMG	472924!	410394	SPG	473227!	410AM3	C-R	417351!	411627-02-DE	RELEE	473228!
410085	TIMKE	470530	4103B	JN-MN	455584	410VB7	MARI	415066	41162702BJ	RELEE	415995!
410085N	TIMKE	470530	410410	NATL	471424!	411000	C-R	811000	41162702CE	RELEE	416888!
410095	SPG	473464	410424	SPG	471730	411003	C-R	811003	41162702CE	RELEE	475200
410099	NATL	411253!	410433	NATL	471138!	411035	WOOL	415072	41162702CL	RELEE	416107!
4100B	JN-MN	415142*	410438	SPG	472299	4110CAR	SPG	5123	41162702CL	RELEE	475638
410101	NATL	412119!	410441	NATL	471341!	411100	SPG	471652	41162702CR	RELEE	416664!
410101N	TIMKE	412119	41048	GARLK	471733	4111035	WOOL	415447	41162702CX	RELEE	470898
410101SS0	SPG	412119	410496	NATL	410496	4111171	FIAT	2000	4116366	CHRYSLER	5131
410102	NATL	410102	410496	TIMKE	410496	4111171	FIAT	224235	4116366AB	CHRYSLER	5131
410102	TIMKE	410102	4104B	JN-MN	4811631*	4111171	FIAT	42X58X7!	411637	TIMKE	411637
410115	SPG	473467	410500	C-R	810500	41113	GARLK	471652	411656	SPG	471643!
410119	NATL	471442	410519	TIMKE	471271	411138	SPG	471138!	411659	SPG	471646!
410119	TIMKE	471442	410520	TIMKE	471272	411143N	TIMKE	451143	4116806	FIAT	226480
410120	NATL	471224!	410520X54	SPG	471272	411160V	TIMKE	411160V	411698	SPG	471684!
41013	SPG	41013S	410522	SPG	472258!	41117	GARLK	471692!	41170	C-R	417511*
410132	NATL	412920!	410524	TIMKE	410524	4111S	SPG	711200	411706	SPG	471692!
410136	NATL	470625!	410530	SPG	470530!	4112001	CHRYSLER	9316	411708	SPG	473203
41013S	TIMKE	41013S	410537	NATL	5711	411234N	SPG	473473	41180	C-R	471511
410141	NATL	470954	410537SSR	SPG	5711	411245	NATL	411245	41185	C-R	415142*
410153	SPG	472287!	4105388	CHRYSLER	3655	411245	TIMKE	411245	4118B	JN-MN	417603!
410154	NATL	473234!	4105389	CHRYSLER	3655	411246	NATL	471737	41190D	IH	471224!
410160	SPG	471763	4105395	CHRYSLER	3655	41125	C-R	455134!	411944	NATL	472924
410163	NATL	471766	4105396	CHRYSLER	4040N	411251	TW-CO	412119	411949	SPG	473204
410163	TIMKE	471766	4105397	CHRYSLER	713655	411252	TW-CO	473231!	41195	C-R	415142*
410165	SPG	471801!	410543	SPG	474272	411253	NATL	411253	41195YA	AVCO	240470
410169	SPG	473214!	410550	MICH	455197N	411253	TIMKE	411253	41198	C-R	415142*
410183	SPG	472179	410550	UNIVE	455197N*	41126	C-R	455134*=	411A30805	TROS	8976S
410183N	TIMKE	472179	410552	NATL	470565!	41126702CA	RELEE	415559	411EM38	C-R	455566
410190	TIMKE	410190	410553	NATL	471224	411271	SPG	471271!	411VB7	MARI	416167!
410194	SPG	473010!	410554S	NATL	40154S	411272	SPG	471272!	412	UNIVE	417247!
410194VGR	SPG	473010	410565	SPG	470565!	411275	TIMKE	476470	412000	C-R	812000
4101BG	SPG	5109	410574	SPG	413246	411275	WMG	476470!	412003	C-R	812003
41020	GARLK	471649!	410575	MICH	417520	411275	WMG	476470	412015V	TIMKE	472015
410219	SPG	471649!	410575	UNIVE	417520*	411275R	PAARS	476470!	412018	SPG	472018
410230	NATL	471689!	410600	MICH	416144	41128	GARLK	470712!	412020	SPG	472020
410236	SPG	470712!	410600	UNIVE	416144	4112S	SPG	711000	412027	TIMKE	412027
410241	SPG	471785!	410603	C-R	810603	41130	C-R	455134!	412028	TIMKE	412028
410244	SPG	471787!	410605	SPG	470605!	41130SA	SPG	441130	412028SSR	SPG	412028
410261	SPG	473466	410614	SPG	472636!	411324	SPG	471255!	412038N	TIMKE	413246
410265	SPG	473235!	410625	MICH	417238	411330	TIMKE	411330	412040	TIMKE	412040
41026S	TIMKE	41026S	410680	SPG	471570!	411330N	NATL	411330	412065	WHITE	410694!
41028	GARLK	471689!	410686N	TIMKE	410686N	411330N	TIMKE	411330	412066	WHITE	416921!
410298	WMG	473239!	410694	NATL	410694	411330SSR	SPG	411330!	412119	NATL	412119
4103-5000-545227	MACK	717005	410694	TIMKE	410694	411336	WHITE	472164!	412119	TIMKE	412119
410301	SPG	472397!	410708	TIMKE	410708	411336A	WHITE	472164!	412178	CATER	471652
410303	SPG	472015!	410719	SPG	471984	411337	NATL	471337	412179	CATER	472258!
410308	NATL	410308	410737	NATL	410737!	411348	TIMKE	411348	412180	CATER	471612
410308	NATL	473468	410737	TIMKE	410737	411376	NATL	411376=	412181	CATER	472649
410308	TIMKE	410308	41075	SPG	41075S	411376	TIMKE	411376	412187	CATER	472164!
410309	SPG	471391!	410752	TIMKE	410752	41138	GARLK	471763	4122	TIMKE	4122

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
41220	SPICE	473227	412G316	C-R	45525S	413818	TIMKE	413818	414692	WHITE	412473!
41220	VIC	473227!	412HD316	C-R	45525S	41389S	TIMKE	470954	41470	C-R	105X145X12
412217	SPG	410059	412K1	WHITE	450400	4138B	JN-MN	471532*	41472	GARLK	470380!
412217	SPG	470380!	412RC	SUL	471567!	4139B	JN-MN	473471*	41475	C-R	105X160X15
412230	C-R	417486	412VB7	MARI	417357	413VB7	MARI	415196!	4148	TIMKE	4148
412230M1	C-R	417486	412VB7	MARI	455192!	413W126-L	C-R	6930*	41484	VICK	6465
41224	GARLK	471413!	412W126-L	C-R	6930*	414	UNIVE	417267	414858	WHITE	472287!
41224S	TIMKE	471224	412W228	C-R	417134	414000	C-R	814000	4148B	JN-MN	411253!
41224S	WMG	471224	412W228M1	C-R	417134	414003	C-R	814003	4148BJO	SPG	4148
41228	C-R	417134	412W230	C-R	417486	41401	C-R	231052	41492	GARLK	473228!
4122B	JN-MN	415085!	412W230-M1	C-R	417486*	41403	CHRY	473450!	41494SA	TRSCM	455134!
4122B	JN-MN	456648	412W3	C-R	417351!	414045	TIMKE	414045	414958	WHITE	472287!
4123	C-R	417351!	412W3-M1	C-R	417351!	414072	SPG	226285	41498	GARLK	473228!
4123	MINMA	417351!	412W310	C-R	455500	414072	SPG	62X85X8!	4149B	JN-MN	471224!
412310	C-R	455500*	412W312	C-R	415442	414072SC	SPG	226285	414M228-L	C-R	417134
41232	C-R	55155=	412W312	C-R	55442	41408924	NOK	110X150X12!	414VB7	MARI	416888!
41232	GARLK	471737	412W32	C-R	55155=	41408924	NOK	110X150X15	414W228-M1	C-R	417134*
41234	C-R	417621!	412W34	C-R	417621!	4140B	JN-MN	471413!*	415000	C-R	815000
41234M1	C-R	417621!	412W34-M1	C-R	417621!	4141	TIMKE	4141	415001	NATL	415001
41238	C-R	455566	413000	C-R	813000	41410	C-R	105X125X13	415001	TIMKE	415001
41238M1	C-R	455566	413003	C-R	813003	41413S	NATL	471413	415001N	TIMKE	415001
4123M1	C-R	417351!	41305	C-R	455203*	41413S	SPG	471413	415003	C-R	815003
41240	C-R	415142*	41306	C-R	455203	41425	C-R	105X130X12!	415003	TIMKE	415458
41240	TROS	6077	41308	AVCO	472311!	41425	C-R	231053	415004	TIMKE	417316
41241	TROS	455536	4130B	JN-MN	470334!	41426	C-R	105X130X12V!	415004V	TIMKE	417316
41246	GARLK	471766!	4131	TIMKE	4131	41426	C-R	712004	415006	NATL	417344!
412473	NATL	412473	41315	MALL	350974!	414268	NATL	414268=	415007	TIMKE	415007
412473	TIMKE	412473	4131CAR	SPG	4131	414268	TIMKE	414268	415009	TIMKE	415960
412500	C-R	812500	413244	SPG	473244!	4143	TIMKE	4143	415009N	TIMKE	415960
41255	C-R	415142*	413245	SPG	473245!	41430	C-R	105X130X12!	415011	NATL	416921!
412550	MICH	415196!	413246	TIMKE	413246	41432	OLIVE	415001!	415012V	TIMKE	416654
412550	UNIVE	415196!*	413246N	NATL	413246!	41433	C-R	105X135X12	415012VGR	SPG	416654!
41257	NATL	3677	413246N	TIMKE	413246	41436D	IH	417211!	415013	TIMKE	415995
41257	TIMKE	41257	413247	NATL	413247=	4143D5	WHITE	416500	415013N	TIMKE	415995
412575	MICH	415047	413247	TIMKE	413247	41440	C-R	105X135X12!	415016N	TIMKE	416288
412575	UNIVE	415047*	413248	NATL	413248	41442S	TIMKE	471442	415018	SPG	476470!
412600	MICH	416149	413248	NATL	413248=	41443	C-R	105X135X12!*	415018	SPG	476470
412600	UNIVE	416149	413248	TIMKE	413248	414467-C91	IH	370037A	415021	TIMKE	415021
41262	GARLK	471795	41325	C-R	455056	414467-C91	IH	370338A	415023	TIMKE	415023
412625	MICH	415060	41328	C-R	55268	414500	C-R	814500	415025	TIMKE	415025
412625	MICH	455060	4133B	JN-MN	457874	414503	C-R	814503	415027	NATL	415027
41263	IH	415551	413469	NATL	413469!	41452	HYST	472016	415027	TIMKE	415027
412636	SPG	472636!	413469	TIMKE	413469	41453	HYST	472409!	415027H	TIMKE	415027
41264	IH	417254	413470	NATL	413470=	41454	GARLK	473227!	415027HC9	SPG	415027
41264S	TIMKE	471264	413470	TIMKE	413470	41454	HYST	415074	415027N	TIMKE	415027
41265	C-R	417512*	413472	TIMKE	413472	41455	C-R	105X140X12	415029	SPG	416125!
412669C91	IH	415483	413478	TIMKE	413478	41455	HYST	417172	415029BG	SPG	416125!
41267S	TIMKE	471267	413479	TIMKE	413479	41455	SPICE	5778V	415034	NATL	415034
4126893	CHRY	3677	41348	GARLK	472258!	41455-1	SPICE	5778V	415034	TIMKE	415034
412699C91	IH	415483	41350	C-R	455203	414550	MICH	55199=	415034VA	SPG	415034V
41270	C-R	417512	413500	C-R	813500	414550	UNIVE	55199=*	415035	NATL	415035!
41271	C-R	417512	413503	C-R	813503	41456	C-R	105X140X12!	415035	TIMKE	415035
412725	TIMKE	412725	41351	MALL	481644	41456	HYST	473475	415036	TIMKE	415036
412798N	TIMKE	472012	413536	H-S	412119!	414575	MICH	417525	415040	SPG	416891!
4127B	JN-MN	417073	413539	H-S	470334!	414575	UNIVE	417525*	415041	TIMKE	415041
4127RA	SPG	4127	413561	H-S	416664!	414598	GMC	1187	415043	TIMKE	415043
4128	SKIL	471554	413577	H-S	473467	414598	GMC	47X68X10!	415045	NATL	415045
41281S	NATL	471281!	4136	TEKNI	471649!	41460	WAUKE	471785!	415045	TIMKE	415045
41286	C-R	415043	41360	GARLK	471192	414600	MICH	417526	415047	TIMKE	415047
412861	TIMKE	412861	413619	WHITE	415351!	414600	UNIVE	417526	415049	SPG	416892!
41287	C-R	415043*	41368	GARLK	473214!	41460A	WAUKE	471785!	415052	TIMKE	415052
412871	NATL	412871	4137283	CHRY	9316	41461S	TIMKE	41461S	415053	NATL	415138!
412871	TIMKE	412871	4137314	CHRY	710067	41462	GARLK	470625!	415053	WMG	415138!
4128B	JN-MN	413469!*	4137426	CHRY	8835S	414625	MICH	415351!	415058	TIMKE	415058
412920	NATL	412920=	413752C91	IH	415027	41466S	TIMKE	471466	415060	TIMKE	415060
412920	TIMKE	412920	413753C1	IH	415138!	4146908	FIAT	1174	415062	SPG	415351!
412920V	TIMKE	412920	413753C91	IH	415138!	4146908	FIAT	38X52X8.5!	415064	TIMKE	415064
412943	TIMKE	412943	4137744	CHRY	473814	4146912	FIAT	224220	415066	TIMKE	415066
412A34	C-R	417621!	4137765	CHRY	722108	4146912	FIAT	42X56X7!	415068	NATL	417269!
412B34	C-R	5578	4137766	CHRY	4250	4146912	FIAT	494117	41507	ALLCH	415035!
412BM34-T8	C-R	5578	41378	GARLK	473215!	4146916	FIAT	224040	41507	ALLCH	415035
412F3	C-R	417351!	413799	SPG	1950	4146916	FIAT	40X60X10!	415070	NATL	416865!

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OIL SEALS

NATIONAL®

415072 – 4161B

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
415072	TIMKE	415072	415248	SPG	412861	415479RA	SPG	417350!	415983VGR	SPG	713750
415073	SPG	416107!	415248N	TIMKE	412861	415482	TIMKE	415482	415984	NATL	415984 =
415074	TIMKE	415074	415254	TIMKE	415254	415483	NATL	415483	415984	TIMKE	415984
415076	TIMKE	415076	415259	NATL	415259 =	415483	TIMKE	415483	415988	TIMKE	415988
415077	TIMKE	415077	415259	TIMKE	415259	415489	NATL	417603!	415991	NATL	415146!
415082	TIMKE	415082	415263	TIMKE	415263	415498	TIMKE	415498	415991	NATL	415991
415082N	TIMKE	415082	415265	SPG	456305	41550	C-R	9128S	415991	NATL	455146
415084	SPG	416239!	415269	SPG	417502	415500	C-R	815500	415991	SPG	415991
415084R	ROCKW	416239 =	41526S	TIMKE	417526	415503	C-R	815503	415991	SPG	415991!
415085	NATL	456648	415270	SPG	417605	415507XX	TIMKE	41X55X7	415991	TIMKE	415991
415085	TIMKE	415085	415271	SPG	415725!	41555	C-R	2064	415991N	TIMKE	415991
415086N	TIMKE	417487	415272N	TIMKE	416706	415551	TIMKE	415551	415991SSR	SPG	415991
415086RA	SPG	417487	415273	SPG	417254	415551V	TIMKE	415551	415991VGR	SPG	415991
415088	NATL	415088	415281	NATL	417349	415551VGR	SPG	415551	415995	NATL	415995!
415088	TIMKE	415088	415281N	TIMKE	100495	415559	TIMKE	415559	415995	TIMKE	415995
41509	TIMKE	416229	415281N	TIMKE	417349	415563	TIMKE	417433	415995A	TIMKE	415995
415090	TIMKE	415090	415281N	WMG	417349!	415577	TIMKE	415577	415995V	NATL	415995!
415094	SPG	416444	415284	TIMKE	415284	41560	TROS	473463	415995V	TIMKE	415995
415095	NATL	416271!	415294	NATL	415294	415607XX	TIMKE	41X56X7	4159A	WAYNE	476838!
415098N	TIMKE	415302	415294	TIMKE	415294	415610	TIMKE	415610	4159B	JN-MN	481163! *
4150N	WMG	710096	415295	TIMKE	415295	41561S	TROS	473435	415VB7	MARI	416154!
41510	TIMKE	416229	415299	SPG	417600	415627	TIMKE	415627	4160	TIMKE	4160
415104RA	SPG	415645!	4152A	WAYNE	472015!	415627SSR	SPG	415627	416000	C-R	816000
415104RA	SPG	455104	415302	TIMKE	415302	415645	NATL	455104	416003	C-R	816003
415105	NATL	415938	415303	NATL	415303 =	415645	TIMKE	415645	416008	TIMKE	416008
415107	SPG	416666	415303	TIMKE	415303	415656	TIMKE	415656	416011	NATL	417621
415111BX	SPG	416229	415304	TIMKE	476470	41566	GARLK	473230!	416011	TIMKE	417621
415115	NATL	416077	415315	SPG	415984!	415683	TIMKE	415683	416011HAR	WMG	5509
415116	TIMKE	415116	415315RA	SPG	415984!	415697	NATL	415697 =	416024	TIMKE	416024
415124	TIMKE	415124	415317	TIMKE	415317	415697	NATL	455547	416029	TIMKE	416029
415128	TIMKE	415128	415319RR	SPG	417495	415697	TIMKE	415697	416029N	NATL	416029
415134N	SPG	455134	415322	TIMKE	417484	415711	TIMKE	415711	416029N	TIMKE	416029N
415137	TIMKE	415137	415322V	TIMKE	417484	415725	TIMKE	415725	416029SSR	SPG	416029
415138	NATL	415138 =	415322VGR	SPG	417484	41572S	NATL	43076S	416029SSR	SPG	416029N!
415138	TIMKE	415138	415327	TIMKE	415327	41576	GARLK	473231!	416039	TIMKE	416039
415142	TIMKE	415142	415349	TIMKE	415349	41579	SPICE	474278	416041	TIMKE	416041
415146	TIMKE	415146	415350	TIMKE	415350	415832	TIMKE	415832	416043	TIMKE	416043
415146N	WMG	415991	415351	NATL	370020A	415836	TIMKE	415995	416044	TIMKE	416044
415146N	WMG	415991!	415351	NATL	415351	415836N	TIMKE	415995	416047	TIMKE	416332
415147	TIMKE	415449	415351	TIMKE	415351	415854	TIMKE	415854	41605	VIC	5M406 =
415147N	TIMKE	415449	415354	NATL	416404!	415857	NATL	415857	416055	SPG	415683
415149	SPG	417343!	415355	SPG	417158!	415857	TIMKE	415857	416070	TIMKE	416070
415150	TIMKE	415150	41536	TIMKE	41536	415861C91	IH	412473	416071	TIMKE	416071
415154	SPG	417351!	415363	SPG	417362!	415867	TIMKE	415867	416077	TIMKE	416077
415156	SPG	417621!	415364	SPG	416664!	415871	TIMKE	415871	416102	TIMKE	416102
415156N	TIMKE	417621	415368	SPG	415483	415876	TIMKE	415876	416107	NATL	455073
415162	SPG	417181!	41537	TIMKE	41537	415876V	TIMKE	415876	416107	NATL	475638
415164	SPG	412473!	415371	TIMKE	415371	415894	TIMKE	412473	416107	TIMKE	416107
415164N	TIMKE	412473	415377	SPG	417541	415897	TIMKE	415897	416112	TIMKE	416112
415165	SPG	417191	415379	NATL	415379 =	415899N	TIMKE	415899N	416125	TIMKE	416125
415172	SPG	416332!	415379	TIMKE	415379	4159	WAYNE	476838!	416127	TIMKE	416127
415177	SPG	415379	415389	TIMKE	415389	41590	GARLK	473010!	416130	TIMKE	416130
415187	TIMKE	415187	415389N	TIMKE	415389	415915C91	IH	712625	416135	NATL	476135 =
415192	SPG	417357	415394	TIMKE	415394	415937	NATL	415937 =	416135	TIMKE	416135
415192N	TIMKE	415192N	415425	TIMKE	415425	415937	TIMKE	415937	416137	TIMKE	416137
415195	SPG	416556!	415436	TIMKE	415436	415938	TIMKE	415938	416144	TIMKE	416144
415195	SPG	472157	415436SSR	SPG	415436	415953	NATL	415035!	416147	TIMKE	416147
415196	NATL	475196 =	415437	NATL	415437	415953	TIMKE	415035	416149	TIMKE	416149
415196	TIMKE	415196	415437	NATL	475437 =	415958	NATL	415958	416153	NATL	416153
415198	SPG	416380!	415437	TIMKE	415437	415958	TIMKE	415958	416153	TIMKE	416153
4151R	SPG	710160	415442	NATL	55442	415960	NATL	415960!	416154	NATL	416154
415200	NATL	416888!	415442	TIMKE	415442	415960	TIMKE	415960	416154	TIMKE	416154
415209	SPG	416154!	415447	TIMKE	415447	415962	TIMKE	415962	416156	TIMKE	416156
415213	SPG	417247!	415449	NATL	415449!	415972	SPG	415988	416158	TIMKE	416158
415213N	TIMKE	415213N	415449	TIMKE	415449	41598	GARLK	473232!	416163	TIMKE	416163
415219	TIMKE	415219	415449A	TIMKE	415449	415983	TIMKE	415983	416167	NATL	416167
415227	NATL	417756	415449V	TIMKE	415449	415983N	NATL	415983	416167	TIMKE	416167
415227	TIMKE	415227	415458	NATL	415458 =	415983N	TIMKE	415983N	416176	SPG	417544
4152319	FIAT	222860	415458	TIMKE	415458	415983SSR	SPG	415983	416190	SPG	417361
4152319	FIAT	28X47X7!	415458A	TIMKE	415458	415983SSR	SPG	415983N!	416191	TIMKE	416191
415234	NATL	415234	415458V	TIMKE	415458	415983V	TIMKE	415983V	4161B	JN-MN	416339
415234	TIMKE	415234	415469	WHITE	415458!	415983VGR	SPG	415983V	4161B	JN-MN	455031!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
4162	O-M	471442!	416414	SPG	415991	417016	TIMKE	417016	417355	TIMKE	417355
4162	TIMKE	4162	416422	TIMKE	416422	417020	TIMKE	417020	417356	NATL	417356
416219	SPG	417365	416444	TIMKE	416444	417022	TIMKE	417022	417356	NATL	417356=
416229	TIMKE	416229	41647	SPICE	2146	41704	GARLK	472164!	417356	NATL	455188
41623208	TROS	355732	416470N	TIMKE	100494	417040	TIMKE	417040	417356	TIMKE	417356
416239	NATL	416239=	416470N	TIMKE	476470	417073	TIMKE	417073	417357	NATL	455192
416239	NATL	416239	416476	NATL	416476	417079	TIMKE	417079	417357	TIMKE	417357
416239	TIMKE	416239	416476	TIMKE	416476	417082	TIMKE	417082	417358	TIMKE	417358
41624810	TROS	416282	416500	C-R	816500	4170B	JN-MN	417196!*	417359	TIMKE	417359
41624812	TROS	416282	416500	TIMKE	416500	417115	TIMKE	417115	417360	TIMKE	417360
41625207.5	TROS	411348!	416500RAR	SPG	416500	417134	TIMKE	417134	417361	TIMKE	417361
416257	TIMKE	416257	416500SSR	SPG	416500!	41714	GARLK	472185!	417362	NATL	415363=
416267	TIMKE	416267	416503	C-R	816503	417158	NATL	417158!	417362	TIMKE	417362
416268	TIMKE	416268	416550	MICH	416888!	417158	NATL	9864S	417363	TIMKE	417363
416270	TIMKE	416270	416550	UNIVE	416888!	417158	TIMKE	417158	417364	TIMKE	417364
416270SSR	SPG	416270	416556	TIMKE	416556	417159	TIMKE	417159	417365	TIMKE	417365
416271	TIMKE	416271	416557	TIMKE	416557	417159VGR	SPG	417159=	417366	NATL	417366=
416271A	TIMKE	416271	416563	MICH	416153!	417171	NATL	417171=	417366	TIMKE	417366
416273	NATL	416273	416575	MICH	416892!	417171	TIMKE	417171	41737	HYST	415085!
416273	NATL	416273=	416575	UNIVE	416892!*	417172	TIMKE	417172	417374	SPG	417606
416273	TIMKE	416273	416600	MICH	416154!	417181	NATL	417181=	4173789	CHRYV	3459
416278	TIMKE	416278	416600	UNIVE	416154!	417181	TIMKE	417181	41738	HYST	413478
416282	TIMKE	416282	416624	NATL	416624=	417191	NATL	417191!	417433	NATL	417433
416285	TIMKE	416285	416624	TIMKE	416624	417191	NATL	455165	417433	TIMKE	417433
416285SSR	SPG	416285	416624N	TIMKE	416624	417191	NATL	456585!	4174631	SPICE	470328
416288	TIMKE	416288	416625	MICH	415351!	417191	TIMKE	417191	4174631	SPICE	481213!
416289	SPG	417171!	416638C91	IH	710021	417196	NATL	417196=	4174632	SPICE	473231
416292	TIMKE	416292	416654	NATL	416654	417196	TIMKE	417196	4174633	SPICE	471529
416294	NATL	416294=	416654	TIMKE	416654	417198	TIMKE	417198	417474	TIMKE	417474
416294	TIMKE	416294	416657	TIMKE	416657	417205	NATL	417205=	417480	NATL	417480
416294V	SPG	416294	416664	NATL	416664	417205	TIMKE	417205	417480	TIMKE	417480
416294V	TIMKE	416294	416664	TIMKE	416664	417210	NATL	486985=	417481	TIMKE	417481
416297	TIMKE	416297	416666	TIMKE	416666	417210	TIMKE	417210	417483SSR	SPG	415007
4162B	JN-MN	472924!	416670	TIMKE	416670	417211	TIMKE	417211	417484	TIMKE	417484
41630007.5	TROS	417487	416674V	TIMKE	416674V	417223	TIMKE	417223	417484N	NATL	417484!
41630010	TROS	417487	416706	NATL	416706	417238	TIMKE	417238	417484N	TIMKE	417484
41630810	TROS	416288	416706	TIMKE	416706	417247	TIMKE	417247	417485	TIMKE	417485
41631210	TROS	456105	416738	NATL	450096	417252	TIMKE	417252	417486	TIMKE	417486
416313	TIMKE	416313	416738	TIMKE	416738	417254	TIMKE	417254	417487	NATL	417487!
41631606	TROS	476470	41675F	VIC	5M406=	417255	TIMKE	417255	417487	TIMKE	417487
41631607.5	TROS	476470	4167735	CHRYV	472572	417258	TIMKE	417258	417488	NATL	417488
41631610	TROS	476470	416775	TIMKE	416775	41726	GARLK	472179	417488	TIMKE	417488
41632010	TROS	416292	4167917	CHRYV	482163!	417262	NATL	417262	417489SSR	SPG	415088
416321	TIMKE	416321	4167929	CHRYV	3173	417262	TIMKE	417262	417490	TIMKE	417490
416327	TIMKE	416327	4167929	CHRYV	710928	417262V	TIMKE	417262	417491	TIMKE	417491
416332	NATL	416332	4167930	CHRYV	472572	417267	TIMKE	417267	417492	TIMKE	417492
416332	TIMKE	416332	41682	VIC	5M445	417269	NATL	417269	417493	TIMKE	417493
416339	NATL	416339=	416865	NATL	416865	417269	TIMKE	417269	417494	TIMKE	417494
416339	NATL	455031	416865	TIMKE	416865	417273	TIMKE	417273	417495	TIMKE	417495
416339	TIMKE	416339	416888	NATL	355200	417278	TIMKE	417278	417496	TIMKE	417496
416345	NATL	416345=	416888	NATL	416888	417283	TIMKE	417283	417497	TIMKE	417497
416345	NATL	455033	416888	TIMKE	416888	417295	TIMKE	417295	417498	TIMKE	417498
416345	TIMKE	416345	416891	TIMKE	416891	417298	TIMKE	417298	417499	TIMKE	417499
416362	SPG	416362	416892	NATL	416892=	417316	NATL	417316!	4175	TIMKE	4175
416362	TIMKE	416362	416892	TIMKE	416892	417316	TIMKE	417316	41750	C-R	415295
416364	NATL	416364=	4168B	JN-MN	327303!	41733	HYST	416364!	417500	C-R	817500
416364	TIMKE	416364	4168LUP	JN-MN	327303!	417343	TIMKE	417343	417500	TIMKE	417500
416370	NATL	416370=	4169	SKIL	240119	417344	NATL	417344=	417500VGR	SPG	417500V
416370	TIMKE	416370	41690	GARLK	473237!	417344	TIMKE	417344	417501	TIMKE	417501
416370SSR	SPG	416370!	416919	TIMKE	416919	417349	NATL	417349	417502	TIMKE	417502
416380	NATL	415196	416919N	NATL	416919	417349	TIMKE	417349	417503	C-R	817503
416380	TIMKE	416380	416919N	TIMKE	416919	417350	NATL	417350=	417503	TIMKE	417503
416381	TIMKE	416381	416919SSR	SPG	416919!	417350	TIMKE	417350	417504	TIMKE	417504
416383	TIMKE	416383	416919SSR	SPG	416919	417351	NATL	417351=	417505	TIMKE	417505
416394	TIMKE	416394	416921	NATL	416921=	417351	TIMKE	417351	417506	TIMKE	417506
4163B	JN-MN	415725!*	416921	TIMKE	416921	417352	TIMKE	418028	417507	NATL	417507
416403	SPG	417602!	416951	TIMKE	416951	417353	NATL	417353=	417507	TIMKE	417507
416404	NATL	416404=	416956	TIMKE	416956	417353	TIMKE	417353	417509	TIMKE	417509
416404	TIMKE	416404	41698	VIC	722109	417354	NATL	417354=	41751	C-R	415295
416414	NATL	415991	416VB7	MARI	417267	417354	TIMKE	417354	417511	TIMKE	417511
416414	NATL	415991!	417000	C-R	817000	417355	NATL	417355=	417512	TIMKE	417512
416414	SPG	415991!	417003	C-R	817003	417355	NATL	485497	417513	TIMKE	417513

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417514	TIMKE	417514	417780	TIMKE	417780	4191B	JN-MN	472319*	42073	TROS	370003A
417515	TIMKE	417515	4177B	JN-MN	455019!	4193LPD	JN-MN	473439!	42075	TROS	5578
417516	TIMKE	417516	4177CA	SPG	1993	4194B	JN-MN	472924!	42076	US-EL	416664!
417516VGR	SPG	417516V	417817	TIMKE	417817	41950	C-R	455625=	42079	TROS	7600S
417518	TIMKE	417518	41785S	SPG	471785!	419500	C-R	819500	42081S	TIMKE	42081S
417520	TIMKE	417520	41787S	TIMKE	471787	419503	C-R	819503	42089	TROS	7886S
417522	TIMKE	417522	4178B	JN-MN	415001!	41962	TROS	7107A=	42093	TROS	472016
417525	TIMKE	417525	417939	TIMKE	417939	4197B	JN-MN	417780*	420953	CATER	470380!
417526	TIMKE	417526	417940	TIMKE	417940	41999	VIC	472636!	420984C91	IH	100495
417530	TIMKE	417530	4179496	CHRY	4405V	419990	C-R	819990	420984C91	IH	476023N
417531	TIMKE	417531	4179497	CHRY	5414	4199B	JN-MN	473437	42099	TROS	5751
417532	TIMKE	417532	4179498	CHRY	2146	419VB7	MARI	416154!	4209B	JN-MN	411245!
417533	TIMKE	417533	417967	NATL	417967	41A62	O-M	471442!	421	KRSE	411376!
417534	TIMKE	417534	417967	TIMKE	417967	41N1568	WGEAR	471466!	4210	C-R	343101
417535	TIMKE	417535	417986N	TIMKE	417986N	41SR-28	MACK	HU036A	421001C	EMSCO	416865!
417536	TIMKE	417536	417987N	TIMKE	417987N	41X10133A	JOHND	473231	421002C	EMSCO	415074
417537	CATER	470898	417VB7	MARI	473215!	41X10836A	JOHND	2081	421003C	EMSCO	417298
417537	TIMKE	417537	418000	C-R	818000	41X50056D	JOHND	471272!	42101	SPG	42101S
417538	TIMKE	417538	418003	C-R	818003	41X51990A	JOHND	200854	42101S	TIMKE	42101S
417539	TIMKE	417539	41802	GARLK	472439	41X53X7TA	TRSCM	1950	42103	SPICE	473452
417540	TIMKE	417540	418027	TIMKE	418027	41X55X7SC	TRSCM	41X55X7!	42103	TROS	5759=
417541	TIMKE	417541	418028	NATL	415137!	41X55X7TC	TRSCM	41X55X7!	4210530	CHRY	471271!
417542	TIMKE	417542	418028	NATL	418028	41X56X7SC	TRSCM	41X56X7!	42106	TROS	5778
417543	TIMKE	417543	418028	NATL	455137	41X56X7TC	TRSCM	41X56X7!	4210603	CHRY	341022
417544	TIMKE	417544	418028	TIMKE	418028	420003	C-R	820003	4210952	CHRY	722109
417545	TIMKE	417545	418029	NATL	418029	4200156	AMC	25598	4210B	JN-MN	473224!
417546	NATL	417546	418029	TIMKE	418029	42002	EATON	370023A	42116	TROS	450307
417546	TIMKE	417546	41804	HYST	417349	42006	GARLK	471424!	42117	TROS	470898
417547	TIMKE	417547	41809	HYST	415302	4200669	US-EL	55386	42120	C-R	710295
417548	TIMKE	417548	41812	C-R	417513	4201	CLARK	471818	42121	TROS	472179
417549	NATL	417549=	41813	C-R	417513	420140C91	IH	474276	42122	TROS	473228
417549	TIMKE	417549	41814	GARLK	472572!	42015	IH	473426	42125	VIC	5M289
417550	TIMKE	417550	41818	ALLCH	471766!	4201B	JN-MN	416071	42126	TROS	471224
417551	TIMKE	417551	41826	GARLK	473238!	42023	GARLK	472492!	421268	WHITE	6635S
417554	NATL	417554=	41833	C-R	417514	42031	C-R	456141	42130	TROS	5865
417554	TIMKE	417554	41833C	HYST	472394	42031	TROS	5246	42132	TROS	472258
417555	NATL	415487	41838	GARLK	473239!	42035	GARLK	472924!	42132S	TROS	472258
417555	TIMKE	417555	4183LPD	JN-MN	416500	42039S	TROS	5401	42134	TROS	455280
417556	TIMKE	417556	41840S	TROS	474278!	42041	TROS	5403	42140D	IH	415142
417562	TIMKE	417562	41840S	TROS	6859S	42042	GARLK	417351!	42143	TROS	473228
417563	TIMKE	417563	418456	TW-CO	415036	42043	TROS	5405	42146	TROS	200354
417564	TIMKE	417564	41848	GARLK	473240!	42043	VIC	5M81	421462	CATER	6760S
417567	TIMKE	417567	4184B	JN-MN	472070*	42044	TROS	5406	42146S	TROS	204002
417570	TIMKE	417570	4185	NATL	5698	42045	TROS	5408	42148	TROS	455151
417571	TIMKE	417571	418500	C-R	818500	42045	VIC	5M81	4214B	JN-MN	417546!*
417584	TIMKE	417584	418503	C-R	818503	42046	SPICE	473212	42150	GMC	415991!
417596	TIMKE	417596	418553	TW-CO	5405	42047	TROS	5410	42150	GMC	415991
417597	TIMKE	417597	418575	MICH	417533	42047	VIC	5M81	42150	US-EL	415302
417598	TIMKE	417598	418575	UNIVE	417533*	42049	VIC	5M293	42152	TROS	5951
417598V	TIMKE	417598	4185B	JN-MN	415988*	42050	VIC	55367=	42153S	TROS	5957S
417598VGR	SPG	417598	418600	MICH	417534	42053	TROS	5460	42154	TROS	370036A
4175BX	SPG	4175	418600	UNIVE	417534	42055S	TROS	5462	42154	TROS	370349A
4175BXO	SPG	4175	4186220	CHRY	3476	42056	GARLK	472397!	42155	TROS	203034
417600	TIMKE	417600	418625	MICH	457585	42057	TROS	370002A	42156	TROS	5971
417601	TIMKE	417601	41862D	IH	417351!	42057S	UNIVE	415371*	42159	GARLK	473204
417602	NATL	417601	41869	GMC	415991	42058S	TROS	417506	4215B	JN-MN	416921!
417602	TIMKE	417602	41869	GMC	455146!	42060	TROS	370019A	42165C	VIC	5M403
417603	NATL	417603=	41874	C-R	417515	420600	MICH	416158	42166	TROS	415899N
417603	TIMKE	417603	41875	C-R	417515	420600	UNIVE	416158	42166	TROS	416624
417604	TIMKE	417604	41876	C-R	417515	42061S	TROS	370005A	42167	EATON	6754S=
417605	TIMKE	417605	418772	WHITE	450593!	420625	MICH	415064	42169	VIC	5M356
417606	TIMKE	417606	4187B	JN-MN	471267!	420625	UNIVE	415064	42171	GARLK	470898
417608	TIMKE	417608	41888	VIC	416888!	42063	DANA	4131	421732C91	IH	442874
41761	C-R	455194*	41899	C-R	417516	42063S	TROS	5471	42176	TROS	413478
417621	NATL	417621	4189H	TIMKE	4189H	42064S	TROS	5472=	42177	TROS	6074
417621	TIMKE	417621	418E-71	IH	416153!	42065S	TROS	5473	42177D	IH	473367!
417698	TIMKE	417698	418HA3-L	C-R	7338N	42068S	TROS	5481	42177D	IH	473367
4177	EATON	416239!	418VB7	MARI	473225!	4206B	JN-MN	472164!	42179	TROS	353141!
41771	C-R	455194*	41900	C-R	417516	42070S	TROS	5589	42179D	IH	455008
41772	C-R	455194*	419000	C-R	819000	42071	GARLK	473242	42181	TROS	6090S
41777	SPICE	710304	419003	C-R	819003	42071	TROS	5494	42182D	IH	415034!
41778	SPICE	710095	419032C91	IH	470954	42072S	TROS	5495	42183D	IH	471750!

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42183DA IH		471750!	42284 TROS		6590S	42354S TROS		7006S	42430010 TROS		417488!
42186 GARLK		472015!	42284S TROS		6590S	42355S TROS		7014S	42430810 TROS		417171!
42187 TROS		410708	422857 WHITE		416654	42357S TROS		473234!	42431 C-R		416556!
42188 TROS		470954	42285S TROS		6592S=	42358S TROS		410059	42431 C-R		472157
42197 TROS		472924	422878 ADAMS		416892!	42358S TROS		470380!	42432408 TROS		412473!
42198 GARLK		472016!	422881 ADAMS		415027!	4235B JN-MN		471567!*	42432410 TROS		412473!
42198 TROS		452222!	422881 ADAMS		415027	42366 TROS		7376=	42433 C-R		472157!*
4219B JN-MN		455406!	422881 LETN		415027	42367 TROS		7378	42433212 TROS		415899N
421W38 C-R		455566	422881 LETN		415027!	42368S TROS		7381S	42433212 TROS		416624
422 KRSE		415449!	422881 WABCO		415027	42369 VIC		5MR71	42434 GARLK		413246
42201 TROS		6180=	422881 WABCO		415027!	42369S TROS		370005A	42436M1 C-R		456105*
42204 TROS		473214	42288S TROS		6597S	42372 GMC		417343!	42438 C-R		476470
42205D VIC		5M403	4228B JN-MN		474276!	42372S TROS		471750	42438M1 C-R		476470
42207 TROS		410987=	42290 TROS		6612S	42373S TROS		8370S	4243M1 C-R		417487
4220B JN-MN		415458!	422920 ADAMS		476838!	42375S TROS		8059S	4243V SPG		713750
4220LPD JN-MN		415458!	42295S TROS		6635S	42376 MID		470590	4244 TIMKE		4244
4220LUP JN-MN		415458!	42296S TROS		6638S	42376 MID-R		470590	42440 C-R		416556!
42210 GARLK		473243	42298S TROS		471570!	423843 ADAMS		472924!	42440 C-R		472157
42212 TROS		471271!	42299 TROS		471267!	423843 LETN		472924!	42440 VIC		5MR71
42214 TROS		6245S=	422997 ADAMS		473215!	423843 LK-BT		472924!	42446 GARLK		413247!
42215 MID-R		471466!	42300 TROS		6644	423843 WABCO		472924!	424469C91 IH		452742
42215 SPECI		471344	42301S TROS		9613S	42385 MWKEL		412920	42448 C-R		472157
42216 MID		471267!	42302 TROS		6649	42385 TROS		5313	42448 C-R		472157!
42216 MID-R		471267!	42303 GARLK		471272!	4238570 CHRYS		4099	42449 SPICE		719316
4221A144 KOEH		415458!	42303S TROS		473234!	4238789 CHRYS		4249	42449-1 DANA		719316
4221B JN-MN		415991	42304 TROS		6663S	4238B JN-MN		415088	424525 UNIVE		415150!*
4221B JN-MN		455146!	42306 TROS		471413!	4238B JN-MN		415088!	42455 C-R		472157*
42220 TROS		6270	42308 TROS		470605!	42395 C-R		472157	42457 C-R		416556!
42221S TROS		6283S	4231012 EARTH		450398	42395 C-R		472157!	42457 C-R		472157
42225 TROS		6312	4231012 EARTH		471267!	42396 C-R		472157	424575 MICH		415138!
42226 TROS		6324S=	42311S TIMKE		472311	42396 C-R		472157!	424575 UNIVE		415138!*
42229 TROS		6336S	42311S TROS		6703S	42396 TROS		5965	42458 C-R		416556!
422309 WOOL		455576!	42312 TROS		470712	4239B JN-MN		473447*	42458 C-R		472157
42231S TROS		472258	42313 TROS		205004	423F38 C-R		476470!	424588 MICH		417538
42233S TROS		6357S	42315S TROS		412473!	423F38 C-R		476470	424600 MICH		417247!
42237S TROS		6370N	42316 TROS		416892	423FF38 C-R		476470	424600 UNIVE		455123
42238S TROS		471526!	42317 GARLK		471138!	423FM38 C-R		476470	42461 GARLK		416271!
4224 SKIL		471647	42317 TROS		6759S	423FM38 C-R		476470!	424625 MICH		415066
42241S TROS		6402S=	42317S TROS		6759S	42400 VIC		5MR71	424625 UNIVE		415066*
42243 TROS		471442!	42320S TROS		417134	4240044 CHRYS		5414	42469 BUDD		5924
42244 TROS		483054N	42322S TROS		471466!	4240101 CHRYS		5127	42470 C-R		47150S
42248 TROS		472354!	42323S TROS		471264!	4240150 CHRYS		5650	424740 ADAMS		415449!
42249 TROS		417267	42324S TROS		481443!	42410 C-R		416556!	42475 C-R		415196!*
42250 TROS		473228	42325S TROS		6808N	42410 C-R		472157	42477 C-R		415196!
42256 TROS		370002A	42328S TROS		6832S	42411 C-R		472157!	42478 C-R		415196!
42257S UNIVE		415284*	42329 GARLK		472636!	42411 C-R		472157	42479 C-R		415196!
42257S TROS		473179	42329S TROS		470954	42411S TROS		6668S	4248 C-R		472810!
42258 MID		473227	4232B JN-MN		472070*	42416 TROS		370004A	42480 C-R		415196!
42258 MID-R		473227	42330 TROS		6840S	42418 C-R		416556!	42481 C-R		415196!
42259 TROS		6465	423314 C-R		418029!	42418 C-R		472157	42482 C-R		415196!
4225B JN-MN		416292*	423314M1 C-R		418029!	42419 C-R		472157	42485 C-R		415196!*
422600 MICH		417535	42331S TROS		6846S=	42420 TROS		7131	42486 C-R		415196!*
422600 UNIVE		417535	42332R DIA		470898!	42421S TIMKE		42421S	424872 ADAMS		415025
42260S TIMKE		42260S	42332S TROS		6847S	42422 C-R		472157	4249 TIMKE		4249
422625 MICH		417536	42336S TROS		410496!	42422 GARLK		470565!	42490 IH		471733
422625 UNIVE		417536	42337S TROS		417210!	42422410 TROS		455650=	42490D IH		471733
42263 TROS		455566	42338S TROS		6863S!	42423S TROS		7896S	4249CA SPG		4249
42266 TROS		471829	42340S TROS		370005A	42424 TROS		7131	424A38 C-R		476470!
42268 TROS		6513	42341 GARLK		412920!	42425 C-R		452157!	424A38 C-R		476470
42270 TROS		410708	42341S TROS		6872S	42426 C-R		472157	424AM3 C-R		417487!
42272S TROS		6532S=	42342S TROS		417254	42426 C-R		472157!	424AM3 C-R		417487
42273 TROS		6547	42343S TROS		473234!	42427 C-R		416556!	424AM38 C-R		476470!
422743C91 IH		471424!	4234493 WGEAR		417210!	42427 C-R		472157	424AM38 C-R		476470
422744C91 IH		473232!	42344R TROS		470898!	42427 SPICE		4525V	424AMM38 C-R		476470!
42276 TROS		6532S=	42345 TROS		6886S	42427 VIC		4525V	424AMM38 C-R		476470
42277 TROS		455134	42346 TROS		6897=	42428 C-R		416556!	424B3 C-R		417487!
42279 TROS		416888!	42347S TROS		6906S	42428 C-R		472157	424B3 C-R		417487
42280 AMC		473444	42351 TROS		6922=	42429 C-R		416556!	424B34 C-R		416288
42280 TROS		6575S	42352S TIMKE		42352S	42429 C-R		472157	424B38 C-R		476470!
42280S NATL		7840S	42352S TROS		471141	4243 C-R		417487	424B38 C-R		476470
42280S TIMKE		254287	42353R TROS		473459	42430 C-R		472157	424BM34 C-R		416288
42282 TROS		418028	42354 TROS		370006A	42430 C-R		472157!	424BM38 C-R		476470!

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424BM38 C-R		476470	425314 C-R		418029!	4254954 ALLCH		450639	42617 GARLK		413248
424BM38-T8 C-R		476470!	425314M1 C-R		418029!	42549543 ALLCH		450639	42620 C-R		416137
424BM38-T8 C-R		476470	42532 C-R		455734=	4254963 ALLCH		471554!	426208XX TIMKE		42X62X8
424C32410 TROS		412473!	4253248 ALLCH		473463	4254976 ALLCH		40433S	42621 C-R		416137
424F38 C-R		476470*	4253264 ALLCH		40438S	4254986 ALLCH		40433S	42622 C-R		370065A>
424FM38 C-R		476470!	4253265 ALLCH		473367!	42549865 ALLCH		40433S	42622 C-R		376590A%
424FM38 C-R		476470	4253265 ALLCH		473367	42550 C-R	AR22+370106A		42622 C-R		380065A>
424HMS226-Q6 C-R		411348!	4253297 ALLCH		40438S	42550+455024 C-R		380065A	42623 C-R		370065A>
424W3-M1 C-R		417487	42532M1 C-R		455015	425507XX TIMKE		42X55X7	42623 C-R		376590A%
4250 C-R		472810!	4253341 ALLCH		471571	425508XX TIMKE		42X55X8	42623 C-R		380065A>
4250 TIMKE		4250	42533414 ALLCH		471571	4255130 ALLCH		471829	42624 C-R		370107A
42500 SPICE		710202	4253382 ALLCH		417316!	42551309 ALLCH		471829	42624 C-R		380065A
4250222 ALLCH		473016!	4253388 ALLCH		416892!	42553123 ALLCH		472439	42625 C-R		370065A>
4250224 ALLCH		473016!	42534 C-R		416288!	4255587 ALLCH		471424!	42625 C-R		376590A%
4250225 ALLCH		472070	42534 GR-DV		416288!	42557 C-R		416135!*	42625 C-R		380065A>
425025 ADAMS		471787!	42534M1 C-R		416288!	42557 GARLK		415449!	42626 C-R		370030A
425025 LETN		471787!	4253541 ALLCH		472185!	4255839 ALLCH		471787!	42626 C-R		380065A
4250604 ALLCH		474281!	42536 C-R		456105	42558395 ALLCH		471787!	42627 C-R		370048A
425067 ADAMS		416107!	42536 FAIRB		456105	4255851 ALLCH		40389S	42627 C-R		370349A
425067 ADAMS		455073	42536 GARLK		471271!	425587 ALLCH		471424!	42627 C-R		380048A
425068 ADAMS		472185!	4253670 ALLCH		40370S	4255B JN-MN		417602!	42627 C-R		386025A
425068 LETN		472185!	42536706 ALLCH		40370S	4256 C-R		240470	42627 C-R		386590A
425069 ADAMS		417357	4253690 ALLCH		473243	42560 C-R		416891!	42628 JN-MN		471224!
425069 ADAMS		455192!	4253691 ALLCH		472636!	4256022 ALLCH		470530	42630 C-R		370065A
425076 O-M		481537	42536M1 C-R		456105	425607XX TIMKE		42X56X7	42630 C-R		376590A%
4250832 ALLCH		415035!	4253764 ALLCH		415001!	425643 ADAMS		450593!	42630 C-R		380065A
4250832 ALLCH		415035	4253765 ALLCH		473231!	425643 LETN		450593!	42631 C-R		370065A
4250833 ALLCH		473228	4253769 ALLCH		455583N!	425643 WABCO		450593!	42631 C-R		415058
4250B JN-MN		473227	4253781 ALLCH		417171!	42565 C-R		416891!	42632 GARLK		415483
4251 C-R		472810!	4253792 ALLCH		55141	42568 C-R		416135!	42635 C-R		417518
4251203 ALLCH		410308!	42538 C-R		476470	42569 C-R		416135!	42636 JN-MN		471763
4251705 ALLCH		472409!	42538 GR-DV		476470	42569 GARLK		416273	42640 TROS		470354
4251784 ALLCH		472012	4253838 ALLCH		415001!	42570 C-R		416135!	42644 C-R		415058*
4251862 ALLCH		471341!	42538M1 C-R		476470	42571 C-R		416135!	42644 GARLK		415458!
42518621 ALLCH		471341!	4253930 ALLCH		472234	42573 C-R		415045!*	42644 JN-MN		471760*
42518S NATL		312518!	4253982 ALLCH		472287!	425748 WHITE		417316!	42650 C-R		415058
42518S NATL		342518	42539825 ALLCH		472287!	42575 C-R		416891!	426510XX TIMKE		42X65X10
4251D GOODM		417278	4253999 ALLCH		455336	42576 C-R		415045!	426512 ADAMS		417356!
4251F GOODM		417278	4253M1 C-R		417487	425807XX TIMKE		42X58X7	426512 ADAMS		455188
42520 MID		471689!	4254 C-R		472810!	425824 ADAMS		471821!	426512 LETN		417356!
42520 MID-R		471689!	4254026 ALLCH		473473	425824 LETN		471821!	426512 LETN		455188
42520001 IVECO		713097	4254050 ALLCH		471570!	42591 CHRYS		471354!	426513 ADAMS		471570!
42521 MID		471649!	42540690 ALLCH		415027!	425931 MC-CL		472287!	426513 LETN		471570!
42521 MID-R		471649!	42540690 ALLCH		415027	42590S JN-MN		472492!	426514 ADAMS		472394
4252117 ALLCH		415379!	4254079 ALLCH		471787!	425CHA38 C-R		476470!	426514 WABCO		472394
4252117 ALLCH		415379	42541 C-R		416891!	425CHA38 C-R		476470	426515 ADAMS		416271!
4252153 ALLCH		417316!	4254101 ALLCH		473010	425F38 C-R		476470!	426515 LETN		416271!
4252154 ALLCH		411376!	42541011 ALLCH		473010	425F38 C-R		476470	42656 GARLK		417343!
4252177 ALLCH		415379!	4254104 ALLCH		473010	425FM38 C-R		476470!	426575 UNIVE		455251H*
4252177 ALLCH		415379	4254122 ALLCH		470606!	425FM38 C-R		476470	42658 JN-MN		417351!
425224 C-R		416282	4254152 ALLCH		470898	425N224T-8 C-R		416282*	426600 MICH		416163
42523 IH		471827!	4254177 ALLCH		471413	425N230 C-R		475348N	426600 UNIVE		416163
42523TB TRSCM		472157	42541771 ALLCH		471413	425N3 C-R		417487!	426625 MICH		456890
4252491 ALLCH		473475	42542 C-R		416891!	425N3 C-R		417487	426625 UNIVE		456890
42524SB TRSCM		472157	4254227 ALLCH		40301S	425R TIMKE		425PKG	42666 JN-MN		415711*
4252612 ALLCH		471192	4254228 ALLCH		415458!	425W224 C-R		416282	42670 C-R		415058
4252649 ALLCH		472287!	4254269 ALLCH		470954!	425W24-L C-R		6180=	42671 C-R		415058
4252796 ALLCH		425RR	4254277 ALLCH		471413	425W3 C-R		417487	42672 C-R		415058
42528 C-R		416891!*	42543 C-R		416891!	425W310 C-R		416292	42673 C-R		416158
4252815 ALLCH		472179	4254341 ALLCH		40973S	425W314 C-R		418029!	4267B JN-MN		327303!
4252825 ALLCH		472636!	42544 C-R		416891!	425W34 C-R		416288!	4268 DURA		450039
4252849 ALLCH		472258!	42545 C-R		416891!	425W34-M1 C-R		416288!	426808XX TIMKE		42X68X8
4252F GOODM		415645!	4254544 ALLCH		416339	425W36 C-R		456105	426810XX TIMKE		42X68X10
4252F GOODM		455104	42546 C-R		416891!	425W38 C-R		476470	42683 GARLK		416664!
4253 C-R		417487	4254670 ALLCH		471787!	425W38-M1 C-R		476470	426834-C1 IH		HU065A
4253052 ALLCH		416271!	42548 GARLK		470605!	4260 C-R		472810!	4268B JN-MN		417349*
42530527 ALLCH		416271!	4254838 ALLCH		472636!	426007XX TIMKE		42X60X7	4269 SPG		5667
425310 C-R		416292	4254874 ALLCH		473228!	4261 C-R		472810!	4269057 CHRYS		331228H
4253106 ALLCH		424	4254875 ALLCH		471649!	42612 C-R		55333=	4269183 CHRYS		3173
425312 C-R		416294!	4254912 ALLCH		470530!	42615 AMC		50327	4269183 CHRYS		710928
4253124 ALLCH		450457	4254932 ALLCH		40389S	42616 C-R		416137	42698 GARLK		415984!
425312M1 C-R		416294!	4254936 ALLCH		472258	42617 C-R		457661V=	4269956 CHRYS		710058

! Industrial Size/Type * Minor Width Difference > Hub Mount % Spindle Mount = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
4269B JN-MN	55155=		4288B JN-MN	473228		430082A SPG	712127		430600 ALLCH	487945	
4269BX SPG	417505		4289B JN-MN	412473!		43008S TROS	472439		430600 MICH	417539!	
4269BX SPG	5667		428R TIMKE	428PKG		43009 GARLK	417349!		430600 UNIVE	417539!	
426R TIMKE	426PKG		429-2979 STEM	417484!		43009 TROS	472924!		43060S TROS	415995!	
4270 C-R	50199S		4290B JN-MN	456105*		4300B JN-MN	415035!		430625 MICH	417273	
4270 C-R	6863S		4291V TIMKE	4291V		4300B JN-MN	415035		430625 UNIVE	417273	
4270 SPG	224560		42933205 TROS	9339S		4300D5 WHITE	410737!		43063 TROS	476470	
4270 SPG	45X68X7!		42940D IH	471733		43011 TROS	470530!		43064 TROS	415023	
427010XX TIMKE	42X70X10		4295904 CHRYS	3459		4301106 ALLCH	418028		43065 TROS	416891!	
4270B JN-MN	417343!*		4297B JN-MN	417316!		4301106 ALLCH	455137!		43066 TROS	415041	
4271 C-R	50199S		4298 DICO	203015		43012 TROS	473464		43067S NATL	240319	
4271 C-R	6863S		4298S SPG	722109		43013 TROS	412119!		43067S TROS	416271!	
42710 GARLK	417316!		429932 ADAMS	416888!		430131A SPG	712128		43068 TROS	415449!	
427112 WHITE	417344!		429932 LETN	416888!		43014 TROS	473467!		43069 TROS	417351!	
42719 GARLK	415960		429972 ADAMS	473228!		4301461 ALLCH	471137		43070S TROS	415379	
427208XX TIMKE	42X72X8		429972 LETN	473228!		43015 DANA	472258		43071 C-R	455197N	
427210XX TIMKE	42X72X10		429972 WABCO	473228!		43015 TROS	471224!		43071 TROS	417205!	
427290 ADAMS	473228		429R TIMKE	429PKG		4301537 ALLCH	471763		43071 VIC	2205	
427290 LETN	473228		42E29X60777 FWD	473462		43015379 ALLCH	471763		43071S TIMKE	43071S	
4273275 CHRYS	3638		42E3Y393 FWD	471141!		43016S TROS	472409		43072 C-R	455197N*	
427394 WHITE	472164!		42E3Y569 FWD	472409!		43018 GARLK	417350!		43072S TIMKE	43072S	
4273S SPG	55103S		42E7Y1039 FWD	473215!		43018 TROS	412920!		43073 C-R	455197*	
427424-R92 IH	370001A		42E7Y1040 FWD	450593!		43019 TROS	471192		43073 TROS	416556!	
42746D IH	471442!		42N1568 WGEAR	240009		4302 NATL	710067		43073 TROS	472157	
4274B JN-MN	472012*		42X51514A JOHND	340787		43020S TROS	470625!		4307359 ALLCH	417354!	
427552R91 IH	370001A		42X51927A JOHND	481181!		43021 TROS	470954!		43073S TIMKE	43073S	
427553R91 IH	HU066A		42X53103A JOHND	240733		430218A SPG	471267		43074 TROS	416888!	
427554R1 IH	730016		42X55X7ASN ISP	42X55X7		430218N SPG	471267		43074S TIMKE	43074S	
4275B JN-MN	455026		42X55X8SC TRSCM	42X55X8!		43022 TROS	472287!		43075 HYST	473442!	
42763 TIMKE	42763		42X55X8TC TRSCM	42X55X8!		430220A SPG	712129		43075 TROS	417247!	
42770 GARLK	415303!		42X56916A JOHND	471267!		4302452 ALLCH	450040		43076S TIMKE	43076S	
4277B JN-MN	416077		42X56X7SC TRSCM	42X56X7!		43024S TROS	471763		43077 TROS	416706!	
4278 TIMKE	4278		42X56X7TC TRSCM	224220		43025 TROS	471765!		43077S TIMKE	43077S	
42780 HYST	472636!		42X56X7TC TRSCM	42X56X7!		43026S TROS	471766!		43078 TROS	415991	
42782 GARLK	417344!		42X56X8SB TRSCM	473573		43027 TROS	471801!		43078S TIMKE	43078S	
42791 GARLK	417158!		42X58X7SC TRSCM	42X58X7!		43028S TROS	473016!		43079S TROS	415379	
4279M BRAD	471554!		42X58X7TC TRSCM	42X58X7!		430298 ALLCH	470380!		4307V TIMKE	4307V	
427R TIMKE	427PKG		42X60X7SC TRSCM	42X60X7!		43030 TROS	472179		43080 TROS	417492	
4280 C-R	50199S		42X60X7TC TRSCM	42X60X7!		430304 ALLCH	472572!		43080S TIMKE	330699	
4280 C-R	6863S		42X60X8SB TRSCM	1953		430305 ALLCH	416125!		43083 TROS	415656	
42800 C-R	370030A		42X62X8SC TRSCM	42X62X8		430306 ALLCH	473258		43084 TROS	471264!	
42800 C-R	370338A		42X62X8TC TRSCM	42X62X8		430307 ALLCH	472258!		43085 SPICE	714675	
428008XX TIMKE	42X80X8		42X65X10SC TRSCM	42X65X10!		43032 TROS	471649!		43085 TROS	473215!	
428010XX TIMKE	42X80X10		42X65X10TC TRSCM	42X65X10!		43033 GARLK	415995!		430852-2 FORD	714675	
428119C91 IH	370023A		42X68X10 SIMRT	42X68X10		43033 GARLK	415995!		43086 TROS	470380!	
42812 GARLK	416921!		42X68X10SC TRSCM	42X68X10		43034 TROS	470712!		43086S TIMKE	43086S	
4281B JN-MN	472299		42X68X10TC TRSCM	42X68X10		43034S TIMKE	43034S		43089S TIMKE	43089S	
428455C91 IH	370003A		42X68X8SC TRSCM	42X68X8		43035 TROS	473466		43089S TROS	470334!	
42847 KELSE	416297		42X68X8TC TRSCM	42X68X8		43036 TROS	473235!		43092 TROS	470530!	
428472 ADAMS	415938		42X70X10SC TRSCM	42X70X10		43039 TROS	472636!		43093 TROS	471192	
428472 LETN	415938		42X70X10TC TRSCM	42X70X10		43040 TROS	412040		43094 TROS	470954!	
428472 WABCO	415938		42X72X10SC TRSCM	42X72X10!		4304084 ALLCH	471570!		43095 TROS	473460	
428489 ADAMS	417196!		42X72X10TC TRSCM	42X72X10!		430413R91 IH	471504		43095S NATL	340847	
428489 LETN	417196!		42X72X8ASN ISP	42X72X8		43042 GARLK	417351!		43095S TIMKE	43095S	
428600 MICH	416167!		42X80X10SC TRSCM	42X80X10		43043S TROS	410496!		43096 TROS	471760	
428600 UNIVE	416167!		42X80X10TC TRSCM	42X80X10		43044 TROS	471689!		43097 TROS	471763	
428613 MICH	417267		42X80X8SC TRSCM	42X80X8		43045S TROS	471442!		43098 TROS	471765!	
428625 MICH	417269!		42X80X8TC TRSCM	42X80X8		43046S TROS	471827		4309B JN-MN	473231	
428625 UNIVE	417269!		43 GARLK	320457		43047S TROS	410708		430D5 WHITE	473215!	
42867 SPICE	710389		43000 BLUE	412920		43048 TROS	471829		430R TIMKE	430PKG	
42867 VIC	710389		43000 TROS	471526!		43050 C-R	455197N		4310 C-R	50199S	
4286B JN-MN	416666		43000239 AMC	470547		43051 C-R	455197N		4310 C-R	6863S!	
42875 HYST	455308		4300121 FULLE	710211		43051S TROS	471344		4310 NATL	5699	
4287B JN-MN	450129		43001S TROS	473215!		43054S TROS	476470		43100 TROS	472397!	
4287B JN-MN	472826!		43002 TROS	410059		43054S TROS	476470!		4310030 ALLCH	450593!	
428806 ADAMS	415991		43002 TROS	470380!		43055 TROS	415458!		43101 TROS	472636!	
428806 ADAMS	455146!		4300204 FULLE	473454		43055 VIC	5M89		43103 TROS	472258!	
428806 LETN	415991		430032 CATER	417349!		4305534 ALLCH	471554!		43104 GARLK	417621!	
428806 LETN	455146!		43003S TROS	410059		43056 TROS	417316!		4310467 ALLCH	471750!	
428806 WABCO	415991		43003S TROS	470380!		43057 TROS	417344!		4310487 ALLCH	471750!	
428806 WABCO	455146!		43006 TROS	473228!		4305798 ALLCH	415023		4310523 ALLCH	471192	
42884 HYST	473448		43007 TROS	472185!		43058 TROS	415960		43105279 ALLCH	471643!	

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43107	TROS	417316!	43158	TROS	416921!	43231610	TROS	418028	4328B	JN-MN	455330!*
4310986	ALLCH	471466!	43159S	TROS	416654	43231610	TROS	455137!	43290S	TIMKE	43290S
43109S	TIMKE	43109S	4315B	JN-MN	415025*	43232007.5	TROS	415085!	43291	TROS	45187S
4311035	WOOL	455022	43160	TROS	415995!	43232007.5	TROS	456648	43293	TROS	45525S
431106	ALLCH	418028	43160	TROS	415995!	43232010	TROS	415085!	43294	TROS	45031S
431106	ALLCH	455137!	431616R91	IH	370021A	43232010	TROS	456648	43295	TROS	45825S
43110S	TROS	416288!	431616R92	IH	370021A	43232410	TROS	417191	43296	TROS	45827S
4311125	ALLCH	474281!	431619R91	IH	370036A	43232410	TROS	456585	43297S	TROS	470565!
43113	TROS	415072	431619R91	NAVST	370349A	43233207	TROS	415991	43298S	TROS	417563
4311323	ALLCH	416332!	43161S	TROS	416288	43233207	TROS	415991!	43299S	TROS	475348N
43113232	ALLCH	416332!	431620R92	IH	HU009A	43233207.5	TROS	415991!	432A31207.5	TROS	455336
43114	TROS	416229	431621R2	IH	733067	43233207.5	TROS	415991	432A31607.5	TROS	418028
43115S	TROS	415449!	43162S	TROS	476470	43233207C	TROS	415991	432A31607.5	TROS	455137!
43116	GARLK	416288!	43162S	TROS	476470!	43233207C	TROS	415991!	432A31609.5	TROS	415137!
43116	TROS	417621!	4316315R1	IH	2261	43233209	TROS	415991!	432A31609.5	TROS	418028
43117	TROS	417181!	4316316R1	IH	2261	43233209	TROS	415991	432A32007.5	TROS	415085!
43119	TROS	415991!	43164	TROS	415035	43233210	TROS	415991	432A32007.5	TROS	456648
43119	TROS	415991	43167	TROS	416865!	43233210	TROS	455146!	432A32407.5	TROS	417191
431194C91	IH	473243	43168	TROS	416239!	43233213	TROS	415991	432A32407.5	TROS	455165!
4312	C-R	50199S	43169S	TROS	416271!	43233213	TROS	415991!	432A33207.5	TROS	415991
4312	C-R	6863S	4316B	JN-MN	450765!	43234	TROS	40208	432A33207.5	TROS	455146!
43121	TROS	417191	43170	TROS	416282	43234408	TROS	416919	432B31606.5	TROS	418028
43123	TROS	415960	43170	VIC	5M867	43235	TROS	471647	432R	TIMKE	432PKG
43124	TROS	471554!	43171	TROS	417602!	43236	GARLK	417181!	433	CARVR	471766!
43125	TROS	473215!	43173	TROS	415137!	43237	TROS	471689	43300	C-R	110X130X12V
43127	TROS	473367	43173	TROS	418028	43239	OLIVE	418028	433001	LIMA	451583!
43128	TLSMI	415645!	43174S	TROS	415146!	43239	OLIVE	455137!	433003	LIMA	480821!
43128	TLSMI	455104	43174S	TROS	415991	43239	TROS	40286	43301	C-R	110X130X12V
43128	TROS	473228!	43175	TROS	415449!	43241	TROS	40301S	4330186	ALLCH	473228
43129	TROS	473232!	43176	TROS	417343!	43242	TROS	40316S	43303	C-R	2261
43130	C-R	417520	43177	TROS	5578	43243	TROS	240319	43304	TROS	471750!
43130	TROS	472185!	43178	TROS	417171!	43244	TROS	40328	43308D	IH	472287!
43131	C-R	417520	43179	TROS	417181!	43245	TROS	40337S	43309	TROS	471391!
43132	TROS	470530!	43180	TROS	412473!	432452	ALLCH	450040	4330B	JN-MN	471649!
43133	TROS	411253!	43184	TROS	416706	43248	TROS	40360S!	43310	C-R	110X130X12
43134	TROS	412119	43185	TROS	417484!	43249	TROS	40370S	43311	C-R	2261
43135	TROS	471192	43186S	TROS	417159	43250	TROS	40973S	43311	TROS	471267!
43137	TROS	471766!	43189	TROS	410825	43251	TROS	474276	4331142	ALLCH	476838!
43138	TROS	472179	4319	WOODB	415458!	43251	VIC	5MR1008	43313S	TROS	471984
43139	TROS	473179!	43190	TROS	415437	43252-M0200	CEW	1128	43317	TROS	415036
4313B	JN-MN	415036*	43194	SPG	43194	43253	TROS	40389S	43317R	DIA	474278!
43140	TROS	472394	43194	TROS	416394	43254	TROS	472354!	43318	TROS	417343!
43141	C-R	55611=	43196	TROS	8996S=	43255	TROS	417267	4331846	ALLCH	470059
43141	TROS	472397!	43198	TROS	471264	43256	TROS	42352S	4331846	ALLCH	470380!
43142S	TROS	472015!	431R	TIMKE	431PKG	43257S	TROS	40401	4331983	ALLCH	417484!
43143	GARLK	417171!	4320	C-R	50199S	43259	TROS	351487	433202A	LIMA	472394
43143	TROS	410308	4320	C-R	6863S	43260S	TROS	40433S	433204A	LIMA	470774!
43145	TROS	472636!	43200	C-R	417238	43261S	TROS	471647	43320S	TROS	415192N
43146	SPICE	417158!	43201	C-R	417238	43262	TROS	40468	43322S	TROS	417349
43146	TROS	472164!	43203	TROS	471554	43263	TROS	442380	43324S	TROS	415899N
431461	ALLCH	471137	43205	TROS	473213!	43264	TROS	40520S	43324S	TROS	416624
43147	C-R	416144	43206	TROS	43089S	43267S	TROS	40555	43325	C-R	110X135X12
43148	TROS	470898	43207	TROS	40059S	43267S	TROS	40555S!	43327	C-R	110X135X13!*
43149	TROS	472492!	432079C1	IH	473444	43269	TROS	40566S	43328	C-R	455310
4314976	FIAT	710359	43208	TROS	7886S	43269S	TROS	40555	43331	TROS	472924!
4314B	JN-MN	417487	43211	TROS	472185!	43269S	TROS	40555S!	43338	C-R	110X140X12V
4315	C-R	50199S	43212	TROS	40071S	4327	C-R	11X17X4	4333N	TIMKE	4333N
4315	C-R	6863S	43214	TROS	40085S	43270	TROS	40568S	43340	C-R	110X140X12!
4315	SKIL	50209	43215	TROS	40101S	43272	TROS	40627S=	43340	C-R	110X140X13!*
43150	TROS	473227!	43218	TROS	240119	43274	TROS	471737=	43340	C-R	231108
43151	C-R	416144	43219	TROS	471224	43275	GARLK	417353!	43340	TROS	481537
43151	TROS	471271!	43220	TROS	471413	43276	TROS	40769S	43340	VIC	5M559
43152	C-R	416144	43221	TROS	470954	43278	TROS	340787	433407A	LIMA	472299
43153	TROS	415001!	43224	TROS	471760	43279D	IH	450065	43341	C-R	110X140X12
431537	ALLCH	471763	43225	TROS	471763	43280	TROS	41013S	43341	TROS	45653S
43154	SPICE	710241	43226	TROS	471766	432802C91	IH	331227H	43342	C-R	110X140X12
43154	TROS	415458!	43228	TROS	40169S	43281D	IH	450260	43343	C-R	110X140X12
431543	WHITE	455336	43229	TROS	40183S!	43282	TROS	41075S	43343S	TROS	47316!
43155	TROS	417316!	43230	TROS	471571	43283	TROS	46997S	4335	C-R	11X22X7!
43156	TROS	417344!	43230807.5	TROS	417172	43283D	IH	473467	4335	C-R	221122
4315694	ALLCH	415234!	43231607.5	TROS	418028	43284	TROS	43086S	4335255	ALLCH	415938
43157	TROS	415960	43231607.5	TROS	455137!	43285	TROS	45013S	43355	C-R	110X145X12

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43355	C-R	110X145X13	435013N	SPG	415995!	4369005	ALLCH	474252	4379747	ALLCH	471649!
43356	GMC	6703S	43502S	TROS	473179	43691	C-R	416380!*	4379960	ALLCH	415001!
43359D	IH	416738!	4350319	ALLCH	472394	4369324	ALLCH	413246	4379B	JN-MN	472354!
43359D	IH	450096	43504	SPICE	4525V	436A38	C-R	417181!	437B34	C-R	417171!
433602A	LIMA	470898	43509D	IH	471192	436B38	C-R	417181!	437R	TIMKE	437PKG
433603A	LIMA	411376!	435101N	SPG	416282	436BM312	C-R	412473!	437W3	C-R	417488!
43364	GARLK	412473!	4351142	ALLCH	476838!	436C312	C-R	412473!	437W310	C-R	417491
43370	C-R	110X150X12!	4351188	ALLCH	471341!	436D5	WHITE	470059	437W312	C-R	412473!
43370	C-R	110X150X15	4351731	ALLCH	471820	436D5	WHITE	470380!	437W312-M1	C-R	412473!
433708	WHITE	416125!	4353	C-R	6863S!	436F312	C-R	412473!	437W34	C-R	417171!
433759	WHITE	455614	4353	TIMKE	4353	436FM312	C-R	412473!	437W34-M1	C-R	417171!
43381	GMC	472179	435316	C-R	55309* =	436H312	C-R	412473!	437W36	C-R	417490
43385	C-R	110X155X15*	435316M1	C-R	416624!	436R	TIMKE	436PKG	437W38	C-R	417181!
4338553	CHRY	710502	43535POSA	TRSCM	7354N	436W3-M1	C-R	417488!*	437W38-M1	C-R	417181!
4338655	AMC	473235	4353982	ALLCH	472287!	43700	C-R	415196!	43800	C-R	AR10+370020A
43387	SPICE	710388	4353VG3	SPG	4353	43701A	C-R	6906S	43800D	IH	471224!
43387	VIC	710388	43543A	HYST	323138!	4370359	ALLCH	417354!	43800DA	IH	471224!
4338893	CHRY	710046	4355	C-R	50199S	4370419	ALLCH	471763	438031	WHITE	471103!
4338968	CHRY	472572	4355	C-R	6863S	4370N	TIMKE	4370N	4380B	JN-MN	415303!*
4338993	CHRY	710046	435508XX	TIMKE	43X55X8	43714	C-R	416147	43810	C-R	417522
4338B	JN-MN	416738!	435534	ALLCH	471554!	4371692	ALLCH	473214!	43811	C-R	417522
4338B	JN-MN	450096	43554SA	TRSCM	416380	43716927	ALLCH	473214!	43820	C-R	415060*
43390	C-R	110X160X15*	43554SA	TRSCM	455198	43721	GARLK	417211!	43820	WHITE	415025
43394	GARLK	417354!	4355645	ALLCH	472394	437212	C-R	455650 =	43838	GEHL	470088
4339B	JN-MN	450275	4355646	ALLCH	471271!	437228	C-R	455556	43839	GEHL	471192
433R	TIMKE	433PKG	4355648	ALLCH	471271!	43722D	IH	415001!	4384188	CHRY	9316
434	CARVR	471766!	4356591	ALLCH	240119	4373	C-R	417488!	438454-R92	IH	370001A
4340	C-R	50199S	43568	GARLK	416332!	4373014	ALLCH	455583N!	43850	C-R	415060
4340	C-R	6863S	4356B	JN-MN	416271!*	437310	C-R	417491	43850	C-R	455060
43401	TROS	8460N	435798	ALLCH	415023	437310M1	C-R	417491	43860	C-R	370019A
434049	WHITE	50501	43580	GARLK	415937!	437312	C-R	412473!	43861	C-R	370019A
4340655	ALLCH	471570!	435805	WHITE	450065	437312M1	C-R	412473!	43865	C-R	370019A
434084	ALLCH	471570!	43592-65D00	SUZUK	710522	437315	C-R	55309 =	4386879	ALLCH	471649!
4340B	JN-MN	472397!	4359V	TIMKE	4359V	43733	GARLK	416345!	43875	C-R	370034A
4341209	ALLCH	417621!	435F220	C-R	5971	43734	C-R	417171!	4387605	ALLCH	471688 =
4341925	ALLCH	240385	435R	TIMKE	435PKG	43734M1	C-R	417171!	438R	TIMKE	438PKG
434241	WHITE	471689!	43601	GARLK	417355!	437359	ALLCH	417354!	4390	C-R	474277*
43430-60810	SUZUK	4904	4360255	ALLCH	473419	43736	C-R	417490	4390	C-R	474277
43431-50G00	SUZUK	710394	4360256	ALLCH	474264	43736M1	C-R	417490	4390171	ALLCH	455583N =
43431-50G10	SUZUK	710394	4360B	JN-MN	415088!	43738	C-R	417181!	4391019	ALLCH	471472!
43431-60820	SUZUK	4904	4360B	JN-MN	415088	43738M1	C-R	417181!	43915	VIC	5M497
43431-60B20	SUZUK	1188	4360LPD	JN-MN	415088	4373M1	C-R	417488!	4393969	ALLCH	J1838* =
43431-60G00	SUZUK	710394	4360LUP	JN-MN	415088	43745	GARLK	415697!	4394689	ALLCH	77322V =
43431L	C-R	55276 =	43613	GARLK	416125!	4374B	JN-MN	451143	43950	KELSE	203025
4343903	CHRY	4462N	4361B	JN-MN	470334!	43750	C-R	415047	4395B	JN-MN	415150!*
43442D	IH	40071S	4362642	ALLCH	455583N!	43751	C-R	415047*	43964D	IH	415458
4344631	SPICE	415437	43630819.25	TROS	5751	43752	C-R	370037A >	4397500	TAYLR	410308!
4344631	SPICE	415437!	436312	C-R	412473!	43752	C-R	370338A %	4397500	TAYLR	473468
4344663	ALLCH	473448	436316	C-R	55309* =	43753	C-R	370037A >	4397623	CHRY	5650
4345	C-R	11X26X7	436316M1	C-R	416624!	43753	C-R	370338A %	4397712	CHRY	5414
43451	GMC	470712!	43644	RENAU	224045	43754	C-R	370037A	4397B	JN-MN	417196!
4345207	ALLCH	417344!	43644	RENAU	40X62X12!	43754	C-R	370338A	43995	VIC	5M466
4345B	JN-MN	55692 =	4364411	ALLCH	471539!	43754	C-R	380048A	4399B	JN-MN	473232
43460	GARLK	416624!	436449-R91	IH	370023A	4375625	ALLCH	455583N!	4399T2	WHITE	415988
4346231	ALLCH	415938	43646	GARLK	416041	4376	AT SU	471766	439R	TIMKE	439PKG
43463D	IH	200640	43650	C-R	415425*	4376	SPG	717006	43G	OSHO	455008
4346686	ALLCH	450639	436508XX	TIMKE	43X65X8	43761	C-R	370173A	43X55X8SC	TRSCM	43X55X8
434686C1	IH	352637	4365282	ALLCH	471649!	43761	C-R	380036A	43X55X8TC	TRSCM	43X55X8
43473	ALLCH	473205	43660D	IH	472287!	43762	C-R	380048A	43X65X8SC	TRSCM	43X65X8
4347933	ALLCH	415001!	43667	GARLK	417205!	43763	C-R	380048A	43X65X8TC	TRSCM	43X65X8
4348	C-R	11X30X7	43670	C-R	415196!	43763	GARLK	417366!	44000	C-R	328039
434877R91	IH	417254	43671	C-R	415196!	43764	C-R	370048A	440001	WAYNE	471554!
434878R91	IH	417254	4367238	ALLCH	470596	43764	C-R	380048A	44001	TROS	474277
4348B	JN-MN	417533	4367592	ALLCH	472397!	4376B	JN-MN	471652*	44001	VIC	471195!
4349736	ALLCH	472234	43675925	ALLCH	472397!	43771	C-R	416149	440012	WAYNE	471730
43499	GARLK	417196!	43682	GARLK	416339	43772	C-R	416149	44002	TROS	470004!
4349B	JN-MN	415995!	4368323	ALLCH	471472!	4377B	JN-MN	55155* =	44004	TROS	471530
434R	TIMKE	434PKG	4368324	ALLCH	413246	4378510	ALLCH	455583N!	44005	TROS	471281!
4350	C-R	50199S	4368578	ALLCH	474254!	43793	C-R	6635S	44006	TROS	471532
4350	C-R	6863S	4368B	JN-MN	415082	43795	C-R	6635S	44007	VIC	470712!
43500	VIC	5MR1009	43690	C-R	415196!*	43795	C-R	JV1210 =	440070	SPG	472185!
435012N	SPG	416654	4369005	ALLCH	472951	43797	AMC	6356	44008	TROS	471466!

! Industrial Size/Type * Minor Width Difference > Hub Mount % Spindle Mount = Call 1-800-480-1212 for price and delivery.

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
44008	VIC	330385!	440511	TIMKE	440511	44093	TROS	450090	44147	VIC	1020
44009S	TROS	471466!	44052	TIMKE	44052	44094	VIC	471827	44148	TROS	471750!
4400RX	SPG	4400=	44052	TROS	450054	44095	TROS	473458!	44148	VIC	472258
44010	C-R	112X135X15*	44053	TIMKE	44053	44096	VIC	1091=	44149	TROS	472560N!
44010	TROS	50010	44053	TROS	473215!	44097	TROS	473462	44150	TROS	473205
44011	VIC	330385!	44054	TROS	471354!	440972	TIMKE	440972	44151	TROS	472287!
44013	TROS	471472!	44054	VIC	472164!	44098	TROS	473464!	441515C1	IH	472635
440131	TIMKE	440131	44054S	TROS	473215!	44098	TROS	473464	44152	TROS	473234
440132	SPG	412920	44055	GARLK	417357	44099	TROS	416738!	44152	VIC	472572!
44014	TROS	471535!	44056	TROS	473225!	44099	TROS	450096	44153	TROS	473447
44014	VIC	1062=	44057	TROS	473438	4409B	JN-MN	471765!	44154	TROS	350156
440148SS	SPG	440148	44057	VIC	471192	440R	TIMKE	440PKG	44154	TROS	473096
44016	VIC	2551	44058	TROS	470059	440RC	SUL	415035!	44155	TROS	471760
44018	TROS	471549!	44058	TROS	470380!	440RC	SUL	415035	44156S	TROS	471760
44018	VIC	224045	44059	TROS	470059	44100	TROS	413469!	44157	TROS	471762!
44018	VIC	40X62X12!	44059	TROS	470380!	44101	TROS	412943	44158	TROS	450159
4401RX	SPG	4401=	44059S	TROS	470059	44102	TROS	411253!	44158	VIC	471787!
44020	TROS	471551!	44059S	TROS	470380!	44102	VIC	472492!	44159	TROS	471763
44020	VIC	1097N	44061	TROS	470950!	44103	TROS	410694!	44159S	WHITE	412473!
44021	TROS	471558	44061	TROS	6241S	44104	TROS	412119!	4415B	JN-MN	415379
44022	TROS	471255!	44062	TROS	474264	44105	TROS	410102	4415B	JN-MN	415379!
44022	VIC	1094=	44063	TROS	471820	44106	TROS	410987!	44160	TROS	471764!
44023	TROS	471553!	44064	TROS	471821!	44107	TROS	450104	44161	TROS	471765!
44024	TROS	50026	44065	TROS	450065	44108	TROS	414045!	44162	TROS	471766!
44024	VIC	222510	44066	TROS	473367!	4410B	JN-MN	471571*	44163S	TROS	471766!
44024	VIC	25X35X7!	44066	TROS	473367	44110	TROS	473471	44164	TROS	473424!
44025	TROS	471554!	44067S	TROS	473367!	441103S	WOOL	417604	44165	TROS	450165
44025	VIC	1097N	44067S	TROS	473367	44112	TROS	473441	44165	TROS	471801!
44026S	TIMKE	473235	44068S	TROS	473228	441130	TIMKE	441130	44166	TROS	473212!
44026S	TROS	471554!	44069	TROS	450068	441130S	WMG	441130	44168	TROS	473214
44027	TROS	471567!	44069	VIC	1040=	44114	TROS	450111	4416B	JN-MN	470606!
44027	VIC	471737	4406B	JN-MN	415196!*	44116	TROS	473467	44170	TROS	473016!
44028	VIC	1163=	44070	TROS	473232	44116	VIC	1077=	44171	TROS	473016!
44028S	TROS	471567!	44071	VIC	472164!	44117	TROS	473450	44171S	TROS	473016!
44029	TROS	474253	44071S	TROS	473232	44118	TROS	472572!	44173	TROS	450177
4403	FULLE	472179	44072	TROS	472185!	44119	TROS	473449	44174	VIC	223005
44030	C-R	112X140X13	44073	TROS	472439	4411B	JN-MN	471231!	44174	VIC	30X40X7!
44030	TROS	473414	44073	VIC	470898	44120	TROS	471442!	44174S	TROS	415146!
44030	VIC	472258!	44074	TROS	481864	44121S	TROS	471442!	44174S	TROS	415991
44030809	TROS	416297	44075	GARLK	416130!	44122	TROS	471224!	44175	TROS	473421
44030809.75	TROS	370046A	44075	TROS	450073	44123	TROS	472409!	44176	TROS	471747!
44031	TROS	471570!	44076	TROS	474265	44124	TROS	473437	44177	TROS	472179
44031207	TROS	6358	44076	VIC	224045	44124	VIC	226020	44178S	TROS	472179
44031608	TROS	417353!	44076	VIC	40X62X12!	44124	VIC	60X80X8!	44179	TROS	471571
44032	SPERY	204013	44077	TROS	50075=	4412475	CHRY	331228H	441790	WHITE	472015!
44032	TROS	450033	44078	TROS	470334!	44125	TROS	450124=	44180	TROS	473229
440324C1	IH	451143	44078	VIC	224045	4412522	CHRY	3459	44181	TROS	473236!
440324C2	IH	451143	44078	VIC	40X62X12!	4412522AB	CHRY	3459	44182	TROS	471619!
440325C1	IH	471413	44079	TROS	474281!	441260C91	IH	370150A	44183	TROS	450188
44033	TROS	474273	44080	TROS	473444	441260C91	IH	417158!	44184	TROS	471692!
44033009	TROS	2055	44081	VIC	1070=	44127	TROS	471735	44185	TROS	410190
44033210	TROS	417196!	44082	TROS	473446	4412836	CHRY	471539	441853	TIMKE	350936
44034	VIC	472299	44083	TROS	50081	44128S	TROS	450129	44186	TROS	50191
44034010	TROS	416332!	44084	TROS	473238	44128S	TROS	472826!	44187	TROS	473473
44035	GARLK	417356!	44085	TROS	472924!	44129	TROS	412920!	44189	TROS	473010
44035	TROS	473415	44085	VIC	1012	441298R91	IH	471267!	4418LA	JN-MN	470950!
44036	TROS	471137	44085	VIC	1012N	4412990	CHRY	472572	4418LA	JN-MN	6241S
44038	TROS	450039	44086	TROS	450084!	44130	TROS	450133	44190S	TROS	473010
44039	TROS	450040	44087	VIC	473238!	44131	TROS	471192	44192	TROS	471103!
44040S	TROS	450040	44087S	TROS	450084!	441319	TIMKE	441319	44193S	TROS	471103!
44041	TROS	450593!	44088	TROS	470530!	44132S	TROS	471192	44195	TROS	50199S!
44043	TROS	476838!	440883R91	IH	471267!	44133	TROS	470625!	44195	TROS	6863S!
44044	VIC	472492!	44089	TROS	470086	44134S	TROS	470625!	44196S	TROS	50199S!
44045	TROS	473426	4408B	JN-MN	451583!*	44135	TROS	471529	44196S	TROS	6863S!
44045S	TROS	473215!	44090	C-R	112X150X15*	44136	TROS	473459	44197	TROS	320457
44046	TROS	450048	44090	TROS	473313	44137S	TROS	473459	441989	WHITE	330385!
44047	TROS	471750!	440905	SPG	4148	44138	TROS	472234	44199	TROS	472705!
44047	VIC	1035=	440905	SPG	471424!	44142	TROS	473226	44199	VIC	2551
44048	TROS	470050	44091S	TROS	470088	44143	TROS	473460	441R	TIMKE	441PKG
44049	TROS	473427	44092	TROS	450089	44145	TROS	450147	441SZ70	MACK	5M466
44050	TROS	471354!	44092	VIC	224040	44146	TROS	473463	44200S	TROS	472705!
44051	TROS	473213!	44092	VIC	40X60X10!	44147	TROS	40769S	44201	TROS	481443!

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44202S	TROS	481443!	44258	TROS	471868	44319S	TROS	471504!	4439	SPG	2000
44203	TROS	471231!	44259	TROS	450273	4431BX8	SPG	9316	4439	SPG	224235
44204	TROS	471579	44263	TROS	450279	4431RR8	SPG	9316	4439	SPG	42X58X7!
44205	VIC	471192	44266	TROS	473179!	4431VJ8	SPG	719316	44390	TROS	471344
44206	VIC	70X90X10!	44267	TROS	450285	4431VJ8	SPG	9316	44393	TROS	473445
44207	TROS	451583!	442671C1	IH	415027!	4431VJO	SPG	719316	44394	TROS	323138!
44208S	TROS	451583!	442671C1	IH	415027	44320	C-R	417526	44395	TROS	471818
44209	TROS	50209	44268	TROS	474274	44320	TROS	472164!	44396	GMC	471442!
442096	WHITE	471553!	44269	C-R	7354N	44321	C-R	417526	44396	TROS	450482
44210	TROS	480210!	44271	TROS	470334!	44321S	TROS	472164!	44398	TROS	411330!
442109	TIMKE	412920	44271	TROS	50289	44322	TROS	470354	443R	TIMKE	443PKG
44212	TROS	481644	44272	TROS	471141!	44323	TROS	471538!	44400	TROS	50490=
44212	VIC	1110	44273	TROS	473453	44324	TROS	474278!	44401	TROS	480491
442128	SPG	6815	44275	C-R	457295*	44325	TROS	473231	444020	KEN	415027!
44213	TROS	471645	44275	TROS	472144!	44326S	TROS	473231	444020	KEN	415027
44214	TROS	473414	44276	TROS	473239	44327	TROS	473448	44403	TROS	472164!
44215	TROS	471646!	44277	C-R	457295	44328	TROS	471870!	44404	TROS	410496!
44216	TROS	471648	44277	TROS	472394	44329	TROS	472193!	444042	TIMKE	444042
44217	TROS	471649!	44278S	TROS	472394	44330	TROS	450362	44405	TROS	450497=
442177	GMC	6270	44279	TROS	472397!	44331	TROS	350364	44406	TROS	50501
44218	TROS	481650	44280	TROS	472012	44335	TROS	411500	44407	TROS	474260
44219	TROS	471651	44281	TROS	472015!	44336	GMC	471224!	44408	TROS	450503=
44220	TROS	471684!	44282S	TROS	472015!	44336	TROS	471652	44409	TROS	472843
44222	TROS	471686	44283	TROS	473457!	44337	TROS	474276!	44410S	TROS	472843
442224	SPG	40154S	44285	TROS	473461!	44338	TROS	330385!	444116	TIMKE	444116
44224	TROS	470590	44286	TROS	450307	44339	TROS	472492!	44412	TROS	470506!
442251	TIMKE	442251	442862	WHITE	450472!	44340	TROS	473407	44413	TROS	50514
44226	TROS	472951	44287	TROS	410308!	44341	TROS	473227	44415	TROS	450516
44226	TROS	474252	442874	TIMKE	442874	44342S	TROS	473227	44417	TROS	471271!
44227	TROS	471688	44288	TROS	471391!	44344	TROS	450400	44418	TROS	471272!
442270	NATL	412920	44289	TROS	473242	44345	TROS	352541	44419S	TROS	471272!
44228	TROS	471689!	44288B	JN-MN	471820*	44346	TROS	470774!	44420	TROS	473423
44229S	TROS	471689!	4429	CLIN	471267!	44347S	TROS	470774!	44421S	TROS	473423
44230	TROS	471705!	44290	TROS	450311	44349	TROS	50405	44422	TROS	472258!
44231	TROS	471705!	44291	TROS	472016	4434RR8	SPG	5778	44423S	TROS	472258!
44231	VIC	471224!	44293	TROS	473245!	443508	WHITE	473203	44424	TROS	450523
44232	TROS	471733	4429353	CHRY	39803	44351	TROS	470409!	44425	TROS	410524
44234	TROS	470712!	44294	TROS	472636!	44351	TROS	50409	444258	TIMKE	474279N
44235S	TROS	470712!	4429410	CHRY	39805	44352	TROS	471424!	44426	TROS	471887
44236	TROS	471744!	44295	C-R	417525	44353	TROS	450412	44427S	TROS	474276!
442369	WHITE	330385	44295	TROS	411394!	44354	TROS	353132	44428	TROS	50528
44237	TROS	450342	44296	C-R	417525	44355	TROS	450415	44429	TROS	450984
44237	VIC	1209	44297	GARLK	416891!	44356	TROS	473442!	44430	TROS	470530!
44238	TROS	471785!	44297	TROS	481163!	44358	TROS	450765!	44431	TROS	450532
442380	TIMKE	442380	44298	TROS	473475	44360	TROS	471730	44432	TROS	450533
44239	TROS	471787!	44299	TROS	412040	44362	TROS	450430	44432408	TROS	455249!
4423B	JN-MN	471766!	442R	TIMKE	442PKG	44363	TROS	471539!	44433	TROS	450535
44240	TROS	471795	44300	TROS	472029	44364	TROS	471138!	44433	TROS	471264!
4424059	CHRY	223801!	44301	TROS	413478	44366	TROS	350435	44434	TROS	450536
44241	TROS	473211!	443018	TIMKE	443018	44367	TROS	471341!	44434	TROS	471535!
44242	TROS	473211!	44302	ALLCH	476838!	44368S	TROS	471341!	44436	TROS	414268!
44243	TROS	473436	44303	SPICE	418028	44369	TROS	471835!	44438	TROS	471689!
44243	VIC	1165	44303	TROS	450326	44370S	TROS	471835!	44439	TROS	474272
44244	VIC	1195	44304	TROS	50327	44371	TROS	50445	44440	TROS	450545
44245	TROS	50254=	44305	TROS	470328	44372	TROS	450446	444409C1	IH	43290S
44247	TROS	450260	44305	TROS	481213!	44374	TROS	471270!	44441	TROS	470625!
44248	TROS	470682	44306	TROS	412871!	44375	TROS	480630!	44442	TROS	472150
44249S	TROS	470682	44307	TROS	470605!	44376	TROS	473197	44443	TROS	470565!
44250	C-R	55199=	44308	TROS	450332	44377	TROS	473224!	44444	TROS	471224!
44250	TROS	451469	44309	TROS	470334!	44378	TROS	450456!	444456	HYST	351487
442507	TIMKE	442507	44310	C-R	110X130X12	44379	TROS	450457	44445S	TROS	471224!
44251	C-R	55199=	44310	TROS	474255	44380	TROS	473440!	44446	TROS	471808!
44251	WAUKE	450165	44311	TROS	450339	44381	TROS	50462	44447	TROS	50560
44251	WAUKE	471801!	443126C1	IH	415379!	443814	WHITE	471192	44448	TROS	471267!
44252	TROS	473235!	44313	TROS	450341	44382	TROS	450463	44449S	TROS	471267!
44253	TROS	50266	44314	TROS	450343	44383	TROS	450467	44450	HYST	415294!
44254	TROS	473451!	44315	TROS	50345=	44384	TROS	50468	44450	TROS	412027
44255	GARLK	416556!	44316	TROS	474254	44385	TROS	481537	44451	TROS	413246
44255	GARLK	472157	44317	TROS	413247!	44386	TROS	472810!	44452	HYST	473460
44255	TROS	450269	443174	WHITE	416892!	44387S	TROS	472810!	44453	HYST	417562
44255	VIC	450269	44317C	DIA	470625!	44388	TROS	450472!	44454	HYST	417474
44256	TROS	471866!	44318	TROS	471504!	44389	TROS	450474	44454	TROS	450588

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44455	GARLK	416888!	44497	HYST	471766!	44536	HYST	416775	44587	TROS	323138!
44455	HYST	50501	44497	TROS	450803	44537	HYST	471413!	44589	AMC	471141!
44456	HYST	351487	44498	GARLK	416892!	44537	MINNM	415449!	4458B	JN-MN	470712!
44457	HYST	417254	44498	HYST	471271!	44537	OLIVE	415449!	4458V	TIMKE	472324
44457	TROS	470596	44498S	TROS	470806	44537	TROS	471413	4458VGR	SPG	472324
44458	HYST	473242	44499	HYST	473435	44538	HYST	6270	4459B	JN-MN	473231
44459	HYST	417205!	44499	TROS	450808	44538S	TROS	472213	445R	TIMKE	445PKG
44459	TROS	450604	444GC1110	MACK	473117N=	44539	HYST	5401	446	C-R	473452
4445B	JN-MN	415995!	444R	TIMKE	444PKG	44540	HYST	411330!	446007XX	TIMKE	44X60X7
44460	HYST	416666	44500	HYST	40520S	44540	TROS	481568!	446010XX	TIMKE	44X60X10
44460S	TROS	450604	44501	HYST	417181!	44542	HYST	200851	4460B	JN-MN	473474
44461	HYST	417254	44501	TROS	473380	44542	TROS	482253	446208XX	TIMKE	44X62X8
44461	TROS	470390	44502	TROS	450819	44544S	TROS	473243	44625	GARLK	415138!
4446143	FORD	240733	44503	HYST	472164!	445450	IH	473463	44626	GRAY	470334!
44463	HYST	50081	44504	HYST	455509	44546	HYST	411330!	4462N	TIMKE	4462N
4446411	CHRYSL	710046	44504S	TROS	470898	44546	TROS	451948	4462RX	SPG	4462N
4446452	FORD	471271=	44505	DANA	710413	44547	HYST	471507	4463B	JN-MN	415025
44465	TROS	450621	44505	HYST	6270	44547	HYST	417507!	4463LPD	JN-MN	415025
44466	TROS	470625!	44505	SPICE	710413	44547	TROS	473244	4463LUP	JN-MN	415025*
44467S	TROS	413248	44505	TROS	473203	44548	HYST	415027	44645	GARLK	417247!
44468	HYST	415146!	44506	DANA	710414	44548	HYST	415027!	446479C1	IH	415379!
44468	HYST	415991	44506	SPICE	710414	44548	TROS	474253	4464B	JN-MN	417485
44468	TROS	473420	44506	TROS	450869	44549S	TROS	471570!	446508C1	IH	3894V
44469	HYST	416229	44507	HYST	40555	4454E	GOODM	416107!	446510A	HARWA	44X65X10!
4446A	HERCU	472394	44507	HYST	40555S!	4454E	GOODM	455073	446510XX	TIMKE	44X65X10
44470	C-R	55501=	44507	TROS	50883=	44551S	TROS	481073	4465B	JN-MN	472179
44470	HYST	416404!	44508	HYST	365008	44552	HYST	411253!	4465LUP	JN-MN	472179
44470	TROS	50631	44509	HYST	45827S	44552S	TROS	451143	446927	TIMKE	446927
44471	HYST	473367	44510	HYST	450400	44553	HYST	415725!	446GC1112	MACK	471354=
44471	TROS	471276	44511	TROS	413479	44553S	TROS	473405	446GC1113	MACK	471354=
44472	HYST	416282	44512	HYST	415449!	44554	HYST	471633!	446GC1115	MACK	471433\$
44472	TROS	472475	44513	HYST	415995!	44554S	TROS	471570!	446GC1115	MACK	5609
44473	TROS	450639	44513	TROS	473237!	44555	HYST	350974!	446GC1116	MACK	417433=
44475	HYST	471413!	44514	HYST	473475	44555	TROS	473228	446GC112	MACK	471354=
44475	TROS	470645	44515	HYST	451948	44556	AMC	473459	446GC1127	MACK	417082=
44476	HYST	345448	44515S	TROS	471736	44556	HYST	7105S	446GC1204	MACK	473117N=
44476	TROS	481073	44517	HYST	240735	44556S	TROS	473466	446GC132	MACK	471267!
44477	HYST	473232!	44517S	TROS	471646!	44557	HYST	415960!	446GC148	MACK	425RR
44478	HYST	455079!	44518	HYST	470764!	44557S	TROS	410308!	446GC155	MACK	425RR
44478	TROS	450655=	44518	HYST	50764	44558	HYST	200752	446GC181	MACK	100494
44479	HYST	416664!	44519	HYST	55386	44558	TROS	470898	446GC181	MACK	476470!
4447A	HERCU	473232	44519S	TROS	471564	44559	HYST	410737!	446GC2116	MACK	904229
44480	HYST	473367!	4451B	JN-MN	417349	44559	TROS	472354!	446GC218	MACK	39807
44480	HYST	473367	44520	HYST	470565!	44560	HYST	417298	446GC235	MACK	5645
44480S	TROS	472020	44521	HYST	416404!	44560	TROS	450398	446GC235B	MACK	4165V=
44481	HYST	470530!	44521	TROS	410987!	44560	TROS	471267!	446GC238	MACK	2297V!
44481	TROS	471737	44522	HYST	415551	44561	HYST	417501	446GC264	MACK	417433
44482	HYST	472179	44522	TROS	473474	44561S	TROS	471270!	446GC310	MACK	39807
44482	TROS	410737!	44523	HYST	472150	44562	HYST	474272	446GC310P11	MACK	39807
44483	HYST	240736	44523S	TROS	480630!	44562S	TROS	480630!	446GC310P2	MACK	417433
44484	HYST	416154!	44524	TROS	474256	44563	HYST	415960	446GC312	MACK	BS40446
44484	TROS	474279N	44525	HYST	415072	44563S	TROS	323138!	446GC313	MACK	924404
44485S	TROS	472018	44526	HYST	416865!	44564S	TROS	470565!	446GC317	MACK	39920
44486	HYST	411253!	44526	TROS	472185!	44565	HYST	416077	446GC321	MACK	471255
44486	TROS	471984	44527	HYST	417601	44566	HYST	470625!	446GCA310P2	MACK	5609
44487	HYST	415146!	44528	HYST	415482	44566	TROS	471224!	446GCA310PZ	MACK	5609
44487	HYST	415991	44529	HYST	472397!	44567	HYST	472164!	446GCX157	MACK	471354=
44487	TROS	473240!	4452SH	JN-MN	455194*	44567S	TROS	450911N!	446GCX169	MACK	471224!
44489	HYST	415867	44530	HYST	415302	44568	HYST	470565!	446R	TIMKE	446PKG
44489	TROS	410737!	44530S	TROS	481443!	44568S	TROS	471652	447008XX	TIMKE	44X70X8
44490	HYST	415023	44531	HYST	240733	44568S	TROS	482208!	44701	WAUKE	471267!
44490	TROS	471862	445312C1	IH	5112	44569	HYST	416107!	4470365	AMC	PSK-1
44491	HYST	471271!	445312C1	IH	5112S	44569	HYST	455073	447060	TIMKE	447060
44491	TROS	470764!	445319C1	IH	3404!	44569S	TROS	472560N!	4470B	JN-MN	415058
44491	TROS	50764	44532	HYST	240731	4456B	JN-MN	470328	4470VD	SPG	416404!
44492	HYST	472924!	44533	HERCU	240119	4456B	JN-MN	481213!	44711	VIC	474260
44493	HYST	455375=	44533	HYST	240119	4456D5	WHITE	470565!	44716	AMC	473467!
44493	TROS	471633!	44533	TROS	481792	44570	HYST	416666	447210XX	TIMKE	44X72X10
44494	TROS	471195!	44534	HYST	473413	44570S	TROS	471141!	447290	WHITE	5494
44495	HYST	472144!	44534S	TROS	471571	44571S	TROS	471354!	447291A	COC	7376=
44496	HYST	470898	44535	HYST	416271!	44575TA	TRSCM	417525!	447291A	WHITE	7376=
44496	TROS	480889	44535S	TROS	451078!	4457B	JN-MN	471750!	447292	WHITE	7378

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4472B JN-MN	417298	4493 C-R	415088	44X65X10 SIMRT	44X65X10!	450069 TIMKE	473232
4473B JN-MN	417606*	4493 C-R	415088!	44X65X10SC TRSCM	44X65X10!	45007 TROS	417344!
4474B JN-MN	416154!*	44930 C-R	416888!	44X65X10TC TRSCM	44X65X10!	450070 TIMKE	472185
447551C91 IH	370036A	449310 C-R	415085!	44X72X10SC TRSCM	44X72X10!	450071 NATL	472439
447551C91 IH	370349A	449310 C-R	456648	44X72X10TC TRSCM	44X72X10!	450072 SPG	481864
447559C91 IH	370007A	449312 C-R	417191	4500 GOODM	416154!	450073 TIMKE	450073
447560C91 IH	370008A	449312 C-R	455165!	45000 TROS	417073	450074 SPG	474265
447561C91 IH	370001A	449312M1 C-R	417191	450005 NATL	471526	450076 TIMKE	470334
447565C91 IH	370033A	449312M1 C-R	455165!	450005 TIMKE	471526	450077 NATL	474281!
447566C91 IH	370023A	449313 WHITE	5494\$	450006 SPG	471530	450078 TIMKE	473444
4475B JN-MN	418028	449314 C-R	417492*	450007 NATL	471281!	450080 SPG	473446
4475B JN-MN	455137!	449316 C-R	415991	450008 NATL	471532	450082 TIMKE	473238
4476B JN-MN	456105	449316 C-R	455146!	45001 TROS	415001!	450083 TIMKE	472924
4477A AMC	470530!	449316M1 C-R	415991	450010 C-R	J712	450084 NATL	450084=
447793 TIMKE	447793	449316M1 C-R	455146!	450014 NATL	471472	450084 TIMKE	450084
4477B JN-MN	476470	449316Q6 C-R	415991	450016 SPG	471535!	450085 TIMKE	470530
44793 GMC	471705!	449316Q6 C-R	455146!	450017 SPG	473405	450086 SPG	470086
447R TIMKE	447PKG	449318 C-R	415498	450018 NATL	471264	450087 TIMKE	473313
4482 ALOY	2081	449318M1 C-R	415498	450019 NATL	471549!	450088 NATL	470088
4482 ALOY	416921!*	44932 C-R	55141	45002 TROS	415988	450089 TIMKE	450089
448236C1 IH	415035	449320 C-R	415389	450021 NATL	471551!	45008S TROS	417344!
44830810 TROS	416024	449322 C-R	416919	450022 SPG	471558	45009 TROS	415007
44833210 TROS	415437	44934 C-R	417172	450024 SPG	481073	450090 TIMKE	450090
44834010 TROS	415937!	44934M1 C-R	417172	450025 TIMKE	471553	450092 NATL	473458!
4483456 CHRYS	5106	44936 C-R	455336	4500266 TW-CO	6465	450093B SPG	712130
44834807.75 TROS	415379	44936M1 C-R	455336	450027 NATL	471554	450094 TIMKE	473462
44834807.75 TROS	415379!	44938 C-R	418028	450027SSR SPG	471554!	450094B SPG	712131
44834807.75C TROS	415379!	44938 C-R	455137!	45003 TROS	415458	450094N TIMKE	473462
44834808 TROS	415379!	44938M1 C-R	418028	450030 TIMKE	474253	450094RAR SPG	473462
44834808 TROS	415379	44938M1 C-R	455137!	4500305 ALLCH	416888!	450095 TIMKE	473464
44834810 TROS	415379	4493M1 C-R	415088	4500307 ALLCH	472439	450096 TIMKE	450096
44834810 TROS	415379!	4493M1 C-R	415088!	4500309 ALLCH	471442!	450097 NATL	413469!
44834814 TROS	415379	4494 UNIVE	5452	450033 NATL	470033	450098 NATL	412943
44835610 TROS	417210!	449425M1 MASSE	JV933	450034 NATL	474273	450099 TIMKE	411253
4485 ALOY	8974S	44952 C-R	416888!	450035 SPG	473412	45010 C-R	416888
4485691 AMC	8549S	44959 C-R	416888!	450037 NATL	471137	45010 TROS	455008
4485B JN-MN	415234!*	4496 ALOY	8792S	450038 TIMKE	450038	450100 NATL	410694!
4486 GRAY	473464!	44960 C-R	416888!	450039 NATL	450039	450101 TIMKE	412119
4486 GRAY	473464	44963 C-R	416888	450039 TIMKE	450039	450102 NATL	410102
4486111 CHRYS	710501	44964 C-R	416888	45004 NATL	46997S	450103 TIMKE	410987
4486140 AMC	313842	44966 C-R	416888	45004 TROS	46997S	450104 TIMKE	450104
4486141 AMC	474131	44967 C-R	416888!	450040 TIMKE	450040	450109 SPG	473441
448644C91 IH	370131A	44967 C-R	416888*	450041 NATL	450593	45011 SPG	43086S
4487B JN-MN	417210!	44968 C-R	416888!*	450042 TW-CO	6465	450111 TIMKE	450111
4488330 AMC	480821!	44969 C-R	416888!	450043 TIMKE	473419	450115 TIMKE	473467
44895 DANA	5778V	4496B JN-MN	415036	450044 TIMKE	450044	450116 TIMKE	473450
4489VAO SPG	713750	44970 C-R	416888!	450045 NATL	476838	450117 TIMKE	472572
4489VX SPG	4489V=	44971 C-R	416888!	450046 SPG	473428	450118 NATL	473449!
4489VX SPG	713750	44972 C-R	416888!	450047 NATL	473426	450118 TIMKE	473449
4489VXO SPG	714489	44973 C-R	416888=	450048 TIMKE	450048	45011D IH	472924!
4489VXR SPG	4489V=	44975 C-R	416888!	450049 NATL	471750	45012 TROS	471485
4489VXR SPG	713750	44975 WAYNE	471730	45005 TROS	417316!	450121 TIMKE	472409
448A32809 TROS	455858	44976 C-R	416888!	450050 SPG	470050	450122 SPG	473437
448R TIMKE	448PKG	4498 ALOY	8835S	4500504 ALLCH	416888!	450127 SPG	471735
448WL316-M1 C-R	415991	4499 ALOY	8460N	450051 NATL	473427	450129 NATL	472826
448WL316-M1 C-R	455146!	4499B JN-MN	470565!*	450052 NATL	471354!	45013 SPG	45013S
44900 VIC	1110	449BM318-L C-R	415498*	450054 TIMKE	450054	45013 TROS	415995!
44908 VIC	1110	449F314 C-R	417492	450055 NATL	473215!	450132 TIMKE	412920
4490B JN-MN	55532=	449F316 C-R	415991	450055N NATL	473215	450133 TIMKE	450133
44912 C-R	327303!	449FM314 C-R	417492	450057 NATL	473225!	450136 NATL	470625!*
44913 C-R	327303	449FM316 C-R	415991!	450058 SPG	473438	450137 NATL	471529
44915 C-R	327303	449FM316 C-R	415991	45006 TROS	455005	450138 NATL	473459
44916 C-R	417507	449FM38 C-R	418028	450061 NATL	470950!	450139 NATL	472234
4491713 TEREL	415379	449R TIMKE	449PKG	450061 NATL	6241S	45013S TIMKE	45013S
4491713 TEREL	415379!	449W312-M1 C-R	417191	450062 NATL	474264	45014 TROS	416654!
44919 C-R	370124A	449W312-M1 C-R	455165!	450063 NATL	471820	450140 NATL	471413!
4491B JN-MN	417601	449W34 C-R	417172	450064 NATL	471821	4501424 ALLCH	416888!
44920 C-R	417530	44G OSHKO	415960!	450065 TIMKE	450065	450143 TIMKE	450143
44922 C-R	370124A	44X60X10SC TRSCM	44X60X10!	450066 NATL	473367	450144 NATL	473226
449228 C-R	455144	44X60X10TC TRSCM	44X60X10!	450066 TIMKE	473367	450145 NATL	473460
449230 C-R	455356	44X62X8SC TRSCM	44X62X8!	450067 TIMKE	473228	4501458 ALLCH	471765!
44924 C-R	370124A	44X62X8TC TRSCM	44X62X8!	450068 TIMKE	450068	4501459 ALLCH	473426

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4501464	ALLCH	471466!	450248	NATL	473436	450316G	CLARK	455146!	450414	SPG	472311!
450147	TIMKE	450147	45025	C-R	355200*	450316M1	C-R	415991	450415	TIMKE	450415
45015	TROS	415995!	45025	C-R	416888!*	450316M1	C-R	455146!	450418	SPG	473442!
450152	NATL	473205!	45025	TROS	455022	450317	TIMKE	411394	45041S	TROS	415035!
450153	SPG	472287!	450255	SPG	473439!	45031K	ALLCH	417181!	45041S	TROS	415035!
450154	TIMKE	473234	450258	NATL	482253	45031S	TIMKE	45031S	45042	TROS	415036
450155	C-R	471760	45026	TROS	415023	45032	C-R	416153!*	450421	C-R	733067
450155	NATL	473447	450260	TIMKE	450260	450320	NATL	473475	450424	SPG	471730
450157	SPG	471760	450261	SPG	473466	450322	NATL	412040	450430	TIMKE	450430
450158	NATL	471762!	450262	NATL	470682	450323	SPG	472029	450431	TIMKE	471539
450159	TIMKE	450159	450265	NATL	473235!	450324	SPG	413478	450433	NATL	471138!
450160	NATL	471763	450267	NATL	472070	450326	TIMKE	450326	450434	C-R	B299
450161	TIMKE	471764	450268	SPG	473451!	450329	TIMKE	412871	450438	NATL	472299
450162	NATL	471765	450269	TIMKE	450269	45032S	TROS	415027	45043S	TROS	415036
450163	NATL	471766	45027	TROS	455024	45032S	TROS	415027!	45044	C-R	416153!
450164	SPG	473424!	450270	SPG	471866!	45033	TROS	55028	45044	TROS	455037
450167	SPG	473212!	450272	SPG	471868	450330	SPG	470605!	450441	TIMKE	471341
450169	NATL	473214	450273	TIMKE	450273	450331	SPG	473452	450444	TIMKE	471835
4501690659AM	CHALL	370020A	450274	TIMKE	450274	450332	TIMKE	450332	450446	TIMKE	450446
45016S	TROS	415995!	450275	TIMKE	450275	450335	TIMKE	450335	450449	NATL	471270!
45017	TROS	417487	450279	TIMKE	450279	450336	NATL	474255	45045	C-R	416153!
450171	NATL	473016!	45028	TROS	415025	450339	TIMKE	450339	45045	TROS	417512
450173	TIMKE	450173	450280	TIMKE	450280	45034	C-R	417172*	450451	NATL	480630
450177	TIMKE	450177	450283	SPG	473179!	45034	TROS	416125!	450452	TIMKE	473197
450179	SPG	473421	450284	C-R	733067	450340	NATL	450340	450453	NATL	473224!
45018	TROS	473467	450285	TIMKE	450285	450340	TIMKE	450340	450454	C-R	730149
450180	SPG	473435	450286	NATL	474274	450341	TIMKE	450341	450455	NATL	472319
450182	NATL	471747!	450287	C-R	733067	450342	TIMKE	450342	450456	NATL	323125
450183	TIMKE	472179	45029	TROS	455026	450343	TIMKE	450343	450456	TIMKE	450456
450184	NATL	471571	450290	C-R	733067	450344	SPG	473425	450457	TIMKE	450457
450185	TIMKE	473229	450291	TIMKE	471141	45035	TROS	55030	45046	C-R	416153!
450185	WMG	6828S	450291N	TIMKE	471141	450350	TIMKE	413247	45046	TROS	417513
450186	NATL	473236!	450293	C-R	733067	450351	NATL	471504	450461	TIMKE	473440
450187	NATL	471619!	450293	SPG	473453	450352	TIMKE	472164	450463	TIMKE	450463
450188	TIMKE	450188	450295	NATL	472144!	450354	NATL	470354	450464	C-R	730031
450189	NATL	471692	450298	TIMKE	473239	450355	SPG	471538!	450466	C-R	730016
45019	TROS	416288!	4502B	JN-MN	450532*	450358N	NATL	473231	450467	C-R	730001
450190	SPG	410190	4503	C-R	415088	450358RRR	SPG	473231	450467	TIMKE	450467
450194	TIMKE	473010	4503	C-R	415088!	450359	NATL	473448	450468	C-R	730019
45020	TROS	456105	45030	GARLK	415725!	45036	C-R	455336*	45047	C-R	416153!
450202	NATL	472705!	450300	NATL	472394	45036	TROS	416339	45047	TROS	416891!
450203	SPG	481443!	450301	TIMKE	472397	45036	TROS	455031!	450470	C-R	730027
450205	SPG	471579	450302	C-R	730022	450360	NATL	471870!	450471	C-R	733067
450208	NATL	451583!	450302	NATL	472012	450361	TIMKE	472193	450472	NATL	7751H
45021	TROS	476470	450303	TIMKE	472015	450362	TIMKE	450362	450472	TIMKE	450472
450210	SPG	480210!	450304	SPG	473457!	450365	TIMKE	470898	4504729	ALLCH	415449!
450211	NATL	471643	450306	NATL	473461!	450365N	TIMKE	470898	450474	TIMKE	450474
450213	SPG	471645	450307	TIMKE	450307	45036M1	C-R	455336*	450479	NATL	473445
450215	NATL	471646	450308	TIMKE	410308	45037	TROS	471570!	450479	WMG	472810!
450217	SPG	471647	450309	NATL	471391!	450373	NATL	451948	45048	TROS	415041
450218	SPG	471648	450310	SPG	473242	450374	NATL	411500	450481	SPG	471818
450219	NATL	471649	450311	TIMKE	450311	450375	TIMKE	450375	450482	C-R	730034
45022	TROS	455019!	450312	C-R	417191	45038	C-R	418028	450482	TIMKE	450482
450221	SPG	471651	450312	C-R	455165!	45038	C-R	455137!	450487	NATL	470487!
450222	NATL	471684!	450312	GR-DV	417191	45038	GOODM	418028	450489	C-R	730001
450224	SPG	471686	450312	GR-DV	455165!	45038	GOODM	455137!	450489	TIMKE	473244
450226	NATL	470590	450312	TIMKE	472016	45038	TROS	416345!	45049	TROS	415138!
450228	SPG	472951	450312N	NATL	472016	45038	TROS	455033	450492	TIMKE	450492
450228	SPG	474252	450313	TIMKE	450313	450381	NATL	471652	4504939	ALLCH	470898!
450229	SPG	471688	450314	C-R	417492	4503830	ALLCH	416888!	450494	TIMKE	472164
450230	C-R	455356*	450314	CABOT	417492	450389	TIMKE	472492	450495	C-R	730035
450230	CABOT	455356	450314	FAIRB	417492	45039	TROS	415034!	450496	C-R	730017
450230	NATL	471689	450314M1	C-R	417492	4503M1	C-R	415088!	450496	TIMKE	410496
450230M1	C-R	455356*	450315	NATL	473245!	4503M1	C-R	415088	450496V	TIMKE	450496V
450232	NATL	471705!	450316	C-R	415991	4503N	TIMKE	4503N	450496VGR	SPG	450496V
450233	NATL	471733	450316	C-R	455146!	45040	C-R	416153!	450497	C-R	730004
450236	NATL	470712	450316	GOODM	415991	45040	TROS	415035	450498	C-R	730030
450237	WMG	471744!	450316	GOODM	455146!	45040	TROS	415035!	450499	C-R	730003
450239	SPG	450342	450316	MINMA	415991	450400	TIMKE	450400	45050	TROS	415043
45024	TROS	415021	450316	MINMA	455146!	450403	NATL	470774	450502	C-R	730009
450245	NATL	471795	450316	TIMKE	472636	45041	C-R	416153!	450502	TIMKE	474260
450247	NATL	473211!	450316G	CLARK	415991	450412	TIMKE	450412	450503	NATL	470503

! Industrial Size/Type * Minor Width Difference

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
450504	SPG	472843	450645	NATL	470645	450780	SPG	481397	450AM316	C-R	415991!
450505	C-R	730009	450649	SPG	481073	450781	C-R	730149	450AMM316	C-R	415991!
4505098	CHRY	471539	450655	C-R	416892!	450781	SPG	471633!	450AMM316	C-R	415991
45051	TROS	417514	450655	TROS	415060	450788	C-R	733067	450B318	C-R	415498*
450516	TIMKE	450516	450655	TROS	455060	45078S	TROS	416107!	450CP312-M1	C-R	417191
450519	TIMKE	471271	45066	C-R	416892!	45078S	TROS	455073	450CP312-M1	C-R	456585
450519SGR	SPG	471271	450666	TIMKE	450666	45079	C-R	416892!	450F38	C-R	418028
45051S	TROS	415035!	45067	TROS	415351!	45079	TROS	415074	450FF316	C-R	345146*
45051S	TROS	415035	4506725	ALLCH	472439	450791	SPG	471466!	450G316	C-R	345146
45052	TROS	415045!	45068	TROS	457585	450791S36	SPG	471466!	450HD316	C-R	345146
450520	NATL	471272!	450680	WMG	471570!	45080	GARLK	416865!	450HD326	C-R	8370S
450521	SPG	473423	450681	SPG	472020	45080	TROS	416476!	450N38	C-R	415137!
450522	NATL	472258!	450683	SPG	471737	450803	TIMKE	450803	450N38	C-R	418028
450523	TIMKE	450523	450686	TIMKE	450686	450804	C-R	730005	450R	TIMKE	450PKG
450524	SPG	410524	45069	C-R	416892!*	450805	C-R	730006	450TA840	OSHKO	100495
45053	TROS	417520	45069	TROS	417536	450806	C-R	730004	450TA840	OSHKO	476023N
450533	TIMKE	450533	450693	TIMKE	450693	450806	NATL	470806	450W230	C-R	455356*
450535	TIMKE	450535	45070	C-R	416892!	450808	NATL	470808	450W230-M1	C-R	455356
450536	TIMKE	450536	45070	TROS	415066	45081	TROS	415076	450W3	C-R	415088!
450539	TIMKE	414268	45071	TROS	456890	450818	SPG	473380	450W3	C-R	415088
45054	TROS	415047	450718	SPG	472018	450819	TIMKE	450819	450W312	C-R	417191
450540	TIMKE	450540	450719	NATL	471984	45082	TROS	415077	450W312	C-R	455165!
450541	NATL	471689	45072	C-R	416892!	450823	SPG	473454	450W314	C-R	417492
450543	NATL	474272!	45072	TROS	417269!	45083	TROS	55078S	450W316	C-R	415991
450545	TIMKE	450545	450720	SPG	473240!	45084	TROS	455079!	450W316	C-R	455146!
4505469	CHRY	472572	45073	TROS	417273	45085	C-R	416892!	450W316-M1	C-R	415991
450549	NATL	471744!	450737	TIMKE	410737	45085	TROS	455080	450W316-M1	C-R	455146!
45055	TROS	417525	450737N	NATL	410737!	45086	TROS	415082	450W34	C-R	417172*
450551	SPG	472150	45073D	IH	417344!	450867	TIMKE	470898	450W36	C-R	6358
450552	NATL	470565!	45074	C-R	416892!	450867	WMG	470898	450W38	C-R	418028
450553	NATL	471224	45074	TROS	416865!	450868	NATL	473203	450W38	C-R	455137!
450559	SPG	471808!	450741	C-R	730003	450869	TIMKE	450869	450W38-M1	C-R	418028
45056	TROS	416892!	450742	C-R	730026	45087	TROS	416239!	450W38-M1	C-R	455137!
450565	SPG	470565!	450743	C-R	730149	4508700	CALI	417486	4510	ALOY	7934S
45057	TROS	417533	450745	C-R	733067	45088	TROS	415085!	45100	C-R	380131A
450571	NATL	412027	450746	C-R	730018	45088	TROS	456648	45100	C-R	416892
450574	NATL	413246	450746	NATL	471862	45089	TROS	417487	45100	TROS	411245!
450574N	WMG	480574H	450747	C-R	733067	450895	NATL	471554	45100D	IH	480210!
45058	TROS	415371	450748	C-R	730016	45090	TROS	55087=	4510113	JOY	7700S!
450580	SPG	471498	450749	C-R	730001	450904	SPG	413479	4510141	JOY	415458!
450584	C-R	733067	45075	C-R	416892!	450911	TIMKE	450911N	451016	SPG	473517!
450587	C-R	733067	45075	TROS	417546!	450911N	NATL	450911N	45101S	TROS	411245!
450588	TIMKE	450588	450751	C-R	733067	450911N	TIMKE	450911N	45102	C-R	370131A
45059	TROS	415138!	450751	SPG	471316	450911SSR	SPG	450911N!	45102	C-R	380131A
450590	C-R	733067	450752	C-R	730030	45092	TROS	415090	45102	TROS	415302
450591	SPG	471729	450755	C-R	730004	450929	NATL	473237!	451024	NATL	471653
450593	C-R	733067	450756	C-R	730020	45093	C-R	370021A	45103	C-R	370131A
450593	TIMKE	450593	450757	C-R	730031	45093	C-R	380131A	45103	C-R	380131A
450596	C-R	730018	45076	TROS	415072	45093	C-R	417506	45103	TROS	416282
450596	SPG	470596	450760	C-R	730005	45093	TROS	416167!	45104	C-R	417531
4505961	CHRY	3816	450765	C-R	730008	45094	TROS	417596	45104	TROS	415645!
450599	C-R	730026	450765	NATL	50421	450948	SPG	471736	45104	TROS	455104
45060	TROS	417223	450765	TIMKE	450765	45095	C-R	370124A	45104D	IH	415960
4506005	CHRY	710241	450766	C-R	730034	45095	C-R	380069A	45105	C-R	370131A
4506005AB	CHRY	710241	450768	C-R	730027	45095	C-R	416892	45105	C-R	380131A
450602	C-R	730022	450769	C-R	730022	45096	TROS	411376!	45105	C-R	416892
450604	NATL	450604	45077	C-R	416892!	450965	TIMKE	450965	45105	TROS	415938
450604	TIMKE	450604	45077	TROS	416107!	45096S	TROS	411376!	451060	SPG	481792
450605	SPG	470605!	45077	TROS	455073	45097	C-R	416892	45106S	TROS	415938
450606	C-R	730008	450771	C-R	730007	45097	TROS	416444	45107	C-R	417531
45061	AMC	473444	450772	C-R	730006	450975	SPG	471564	451078	NATL	451078=
45061	C-R	416892!	450774	C-R	733067	45098	C-R	416892	451078	TIMKE	451078
45061	TROS	455056	450774	SPG	470774!	45098	TROS	416271!	45108	C-R	416892
450610	SPG	470390	450775	C-R	733067	450984	TIMKE	450984	45108	TROS	416666
45062	C-R	416892!	450776	NATL	450776	450988	NATL	473474	451082	TIMKE	451082
45062	TROS	417516	450776	TIMKE	450776	45099	C-R	416892	45109	C-R	416154!
450621	TIMKE	450621	450777	C-R	730009	45099D	IH	450593!	45109	TROS	457874
450626	TIMKE	413248	450778	C-R	730019	45099S	TROS	416271!	451091	SPG	473463
450628	SPG	473420	450779	C-R	730017	450A312	C-R	417191	45110	C-R	416154!
45063	TROS	415058	450779	SPG	473238!	450A316	C-R	415991	45110	TROS	417562
450639	TIMKE	450639	45078	C-R	416892!	450A316	C-R	415991!	451100	NATL	471652
45064	TROS	417238	450780	C-R	730033	450AM316	C-R	415991	4511035	WOOL	417158!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
45111	C-R	416154!	4514813	ALLCH	J1238=	4518H	MALL	471413	45239	VIC	5414
45111	TROS	417563	45149	C-R	415351!	45190	TROS	472157	4524	ALOY	7412S
45112	TROS	416229	45149	TROS	417134	45190	TROS	472157!	45240	TROS	417198
45113	TROS	417298	4515	ALOY	7537S	45191	TROS	415196!	45242	TROS	417252
451138	SPG	471138!	4515	JOHND	412119	45192	TROS	455197N	452424C1	IH	100495
45114	TROS	455310	45150	C-R	415351!	45193	TROS	415196!	452424C1	IH	476023N
451143	TIMKE	451143	45150	TROS	417486	451936	SPG	473238	45243	TROS	415259!
451147H	TIMKE	472164	45151	C-R	415351!	45194	TROS	55199=	45244	TROS	455260
45115	TROS	455584	45151	TROS	417351!	451944	SPG	472924!	45247	TROS	415263
45116	TROS	416077	45152	C-R	370086A	451948	NATL	472579	45248	TROS	415867
451162N	NATL	473454	45152	TROS	55155=	451948	TIMKE	451948	45249	TROS	416865!
45117	TROS	415116	45153	TROS	417621!	45195	TROS	416888!	45250	C-R	115X150X12
45118	TROS	455117	451531	SPG	471281!	45196	TROS	417509	45252	C-R	115X150X12!
451182	TIMKE	451182	45155	C-R	417532	45197	TROS	455203	45252	TROS	55268
45119	TROS	415551	45155	TROS	416292	45199	TROS	416137	45254	TROS	417605
451198	SPG	470774!	45157	C-R	370011A	4519LA	JN-MN	416888!	45255	TROS	415725!
45120	TROS	417598	45157S	TROS	417488!	4519LUP	JN-MN	416888!	452554	NATL	474276
45121	TROS	455406!	45158	C-R	370021A	451R	TIMKE	451PKG	452554N	TIMKE	474276
45121L	C-R	5797	45158	TROS	417171!	4520	DURA	330385!	452559	SPG	472475
45122	TROS	455121	451580	SPG	471567!	45201	TROS	416149	45256	TROS	416706!
45123	TROS	417602!	451583	NATL	451583	452018	SPG	472018	45257	TROS	417254
451235	SPG	471958	451583	TIMKE	451583	45202	TROS	417526	45259	TROS	55276=
45124	TROS	455123	45159	TROS	417490	452020	SPG	472020	45259	VIC	5453
45125	TROS	415124	45160	C-R	370021A	45203	TROS	416154!	4525V	TIMKE	4525V
4512559	ALLCH	416888	45160	TROS	417181!	45205	TROS	416158	4525VJ	SPG	4525V
45126	TROS	417022	45161	TROS	417491	45206	TROS	417535	4525VJ0	SPG	4525V
45127	TROS	417604	45162	C-R	370192A	45207	TROS	417247!	45261	TROS	455280
451271	SPG	471271!	45162	TROS	412473!	45208	TROS	416163	45262	TROS	417349
451272	SPG	471272!	45163	TROS	417191	452086	TIMKE	452086	45263	TROS	416364!
451275RA	SPG	476470!	45163	TROS	455165!	45209	TROS	417539!	45263	VIC	5458
45128	TROS	417567	45164	TROS	417492	45210	C-R	115X135X15!*	452636	SPG	472636!
45129	TROS	415128	45165	TROS	417354!	45210	C-R	710258	45264	TROS	416865!
451294	SPG	471526!	45166	TROS	417493	45210	TROS	417267	45265	TROS	417602!
45130	GARLK	417278	451662	NATL	471649!	45212	TROS	415219	45266	TROS	455290
45130	TROS	455129	45167	TROS	417196!	45213	TROS	415871	45268	TROS	417584
45131	TROS	417474	45168	TROS	415711	45215	TROS	55222=	45269	TROS	415294!
45132	TROS	455134!	45169	TROS	416332!	452152	SPG	411394!	45270S	TROS	415294!
451324	SPG	471255!	45170	TROS	415437	45216	TROS	55223=	45271	TROS	415295
45133	TROS	455136	45170	TROS	415437!	452164N	NATL	472164!	45272	TROS	417082
45134	TROS	418028	451700	SPG	470590	45217	TROS	55224=	45273	TROS	455297
45134	TROS	455137!	451703	SPG	471689!	45218	TROS	417020	45274	TROS	417600
45134D	IH	415449!	451706	SPG	471692!	45219	TROS	415227!	452742	TIMKE	452742
45135S	TROS	418028	451709	NATL	471413	45220	C-R	115X140X12	45275	TROS	417601
45135S	TROS	455137!	45171	TROS	417497	45220	TROS	55228=	45276	TROS	55301S
45136	TROS	417554!	45172	TROS	415937!	45220S	TROS	5487	45277	TROS	476470
4513621	ALLCH	472439	45173	TROS	417501	45221	TROS	415482	45278	TROS	415991
45136215	ALLCH	472439	45174	TROS	415379!	45222	C-R	115X140X12V	45278	TROS	455146!
45137	TROS	55141	45174	TROS	415379	45222	TROS	416153!	45279	TROS	455308
45138	TROS	415142	45175	TROS	455178=	452222	NATL	452222=	4528	SPG	1174
451385	SPG	473407	45176	TROS	417210!	452222	TIMKE	452222	4528	SPG	38X52X8.5!
45139	TROS	455144	45177	TROS	417498	45223	C-R	115X140X12!	45280	C-R	710372
45140	C-R	416070	45178	C-R	55539*=	45223	TROS	417538	45280	TROS	55309=
45140	TROS	417172	45178	TROS	417355!	45224	TROS	415234!	45281	TROS	455310
45141	TROS	415991	4517LA	JN-MN	472439*	45225	C-R	115X140X12!*	45282	TROS	455311
45141	TROS	455146!	45180	C-R	55539=	45225	TROS	55236	45283	TROS	417278
451414	SPG	412473!	45180	TROS	417205!	45226	TROS	55238	45285	TROS	415984!
451424	ALLCH	416888!	451817	TIMKE	451817	452261H	TIMKE	452261H	452867R91	IH	40059S
45142S	TROS	415991	45182	TROS	417211!	452267	NATL	482267	45287	C-R	100X130X12!
45142S	TROS	455146!	45183	TROS	417967!	45228	TROS	55242	45287	TROS	415317
45143	TROS	415449!	45184	TROS	415187	45229	TROS	417481	45288	TROS	417542
451446	WHITE	480630	451845	TIMKE	451845	45230	C-R	115X145X13!*	45289	TROS	417495
45144S	TROS	415449!	45185	TROS	417356!	45230	C-R	115X145X15*	4528N	TIMKE	4528N
45145	TROS	417366!	45185	TROS	455188	45231	TROS	416919	45290	C-R	115X160X15*
451456	NATL	472475	451857	TIMKE	451857	45233	C-R	115X145X14!	45290	TROS	455321
451458	ALLCH	471765!	451858	SPG	451469	45233	TROS	412861	45291	TROS	417484!
451459	ALLCH	473426	45186	TROS	455191	45234	TROS	455249!	45292	TROS	417532
45146	TROS	417343!	45187	SPG	45187S	45235	TROS	415303!	452920	SPG	412920!
451464	ALLCH	471466!	451879	SPG	470334!	45236	TROS	455251H	45296	TROS	455330!
451469	TIMKE	451469	45187S	TIMKE	45187S	45237S	TROS	455251H	45297	TROS	417191
45147	TROS	415150!	45188	TROS	55193=	45238	TROS	455253	45297	TROS	456585
45148	C-R	415351!	451883	SPG	471870!	45238	VIC	5414	45298	TROS	55333=
45148	TROS	455151	45189	TROS	455194	45239	TROS	415254	4529N	TIMKE	4529N

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
452R	TIMKE	452PKG		45421	TROS	455016	NATL
4530	TIMKE	4530		45422	TROS	455017	NATL
45300	TROS	455336		45425	TROS	455018	TIMKE
45301	TROS	55337		45426	TROS	455018N	TIMKE
45302	TROS	415991		45429	TROS	455019	NATL
45302	TROS	455146!		45432	TROS	455019	TIMKE
45304	TROS	417494		45433	TROS	455020	TIMKE
453059	TIMKE	474277		45433214	TROS	455021	SPG
453062	SPG	472644		45434	TROS	455022	TIMKE
453063	TIMKE	453063		45436	TROS	455023	SPG
453065	TIMKE	453065		45437S	TROS	455024	C-R
453066	TIMKE	453066		4543V	TIMKE	455024	TIMKE
45307	ALLCH	472439		45440	TROS	455025	NATL
45308	TROS	417159		45443	TROS	455026	TIMKE
45309	ALLCH	471442!		45445	TROS	455026C1	IH
45309	TROS	415349		45448	TROS	455027	TIMKE
45310	GARLK	417262!		45449	TROS	455027N	TIMKE
45310	TROS	415350		4544V	TIMKE	455029	NATL
45311	TROS	55353		45450	GARLK	455031	C-R
45312	TROS	416404!		45450S	TROS	455031	TIMKE
4531216AB	CHRY	7300S		45451	TROS	455032	NATL
4531225	CHRY	331227H		45452S	TROS	455032	TIMKE
45313	TROS	416404!		45453	TROS	455033	TIMKE
45314S	TROS	416404!		45454	TROS	455034	C-R
45315	TROS	455356		45455	TROS	455034	TIMKE
453157	WHITE	733111		45456	TROS	455035	TIMKE
453165	TIMKE	471619		45456	TROS	455035460	WMG
453166	NATL	350974!		45457	TROS	455035N	TIMKE
453169	SPG	473224!		45458S	TROS	455036	NATL
45317	TROS	55357		45459	TROS	455037	TIMKE
453170	SPG	473016!		45460	TROS	455039	SPG
453171	SPG	473440		45460	TROS	45504	ALLCH
45318	TROS	55358=		45461	TROS	455040	NATL
453181	SPG	415995!		45462	TROS	455040	SPG
453181	SPG	415995!		45463	TROS	455041	NATL
453182	TIMKE	453182		45465	TROS	455044	SPG
45319	TROS	416865		45466S	TROS	455045	SPG
45320	TROS	417362!		45467	TROS	455046	SPG
45321	TROS	415284		454704C1	IH	455047	SPG
45321S	TROS	417362!		454705C1	IH	455049	NATL
45322	TROS	416664!		454706C1	IH	455053	NATL
45323S	TROS	416664!		454707C91	IH	455054	NATL
45324	TROS	327303!		454707C91	IH	455054SSR	SPG
453244	SPG	473244!		45471	TROS	455056	TIMKE
453245	SPG	473245!		454729	ALLCH	455057	SPG
453246	SPG	413246		45472S	TROS	455058	NATL
453247	SPG	413247!		45473S	TROS	455059	SPG
453248	SPG	413248		45475C1	IH	455060	NATL
45326	TROS	55367=		45475S	TROS	455060	TIMKE
45327	TROS	415483!		45476S	TROS	455062	TIMKE
453279	TIMKE	453279		45477S	TROS	455064	SPG
45328S	TROS	415483!		45478	TROS	455065	SPG
45329	TROS	417537		45478S	TROS	455066	SPG
4532N	TIMKE	4532N		4548RPD	JN-MN	455068	TIMKE
45330	TROS	455375=		454R	TIMKE	455069	SPG
45331	TROS	417541		455000	NATL	455070	TIMKE
45332	TROS	415284		455001	C-R	455070N	NATL
45333S	TROS	415284		455001S	TIMKE	455071	NATL
45334	TROS	415379!		455002	NATL	455072	NATL
45334	TROS	415379		455003	TIMKE	455073	TIMKE
453341	TIMKE	473231		455004S	TIMKE	455074	SPG
45335S	TROS	415379		455005	TIMKE	455075	TIMKE
45335S	TROS	415379!		455006	TIMKE	455079	NATL
45337	TROS	416956		455006N	TIMKE	455079	NATL
45338S	TROS	416956		455007	NATL	455079	TIMKE
45339	TROS	475384		455008	TIMKE	455080	TIMKE
45340	TROS	55386		455009	TIMKE	455082	NATL
45341	TROS	415389		455011	TIMKE	455082	WMG
45343	TROS	55392=		455012	TIMKE	455084	NATL
45344	TROS	417511		455013	TIMKE	455086	TIMKE
45345	TROS	415394		455014	TIMKE	455088	TIMKE
45346	TROS	417549!		455015	TIMKE	455088V	TIMKE
45347	TROS	455396		45421	TROS	455016	NATL
45348	TROS	455397		45422	TROS	455017	NATL
45349	TROS	455402=		45425	TROS	455018	TIMKE
4534B	JN-MN	470764!		45426	TROS	455018N	TIMKE
4534B	JN-MN	50764		45429	TROS	455019	NATL
45350	GARLK	417358		45432	TROS	455019	TIMKE
45350	TROS	417551		45433	TROS	455020	TIMKE
45352	TROS	417492		45433214	TROS	455021	SPG
45354	TROS	55431=		45434	TROS	455022	TIMKE
45355	TROS	455434		45436	TROS	455023	SPG
45357	TROS	415437		45437S	TROS	455024	C-R
45358	TROS	55441=		4543V	TIMKE	455024	TIMKE
45359	TROS	415442!		45440	TROS	455025	NATL
45359	TROS	55442		45443	TROS	455026	TIMKE
45361	TROS	415447		45445	TROS	455026C1	IH
45362	TROS	417597		45448	TROS	455027	TIMKE
45363	TROS	455576!		45449	TROS	455027N	TIMKE
45364	TROS	455462		4544V	TIMKE	455029	NATL
45366	TROS	55469		45450	GARLK	455031	C-R
45367	TROS	455471		45450S	TROS	455031	TIMKE
45368	TROS	455472=		45451	TROS	455032	NATL
45369	TROS	417518		45452S	TROS	455032	TIMKE
45371	TROS	455476		45453	TROS	455033	TIMKE
45372	TROS	417350!		45454	TROS	455034	C-R
45373	TROS	455480!		45455	TROS	455034	TIMKE
45374S	TROS	455480!		45456	TROS	455035	TIMKE
45375	TROS	417543		45456	TROS	455035460	WMG
45376	TROS	415482		45457	TROS	455035N	TIMKE
45378S	TROS	415937!		45458S	TROS	455036	NATL
45379	TROS	417555!		45459	TROS	455037	TIMKE
45381	TROS	417548		45460	TROS	455039	SPG
45382S	TROS	417548		45460	TROS	45504	ALLCH
45383	TROS	415498		45461	TROS	455040	NATL
453830	ALLCH	416888!		45462	TROS	455040	SPG
45383A	HERCU	45637S		45463	TROS	455041	NATL
45384S	TROS	415498		45465	TROS	455044	SPG
45385	TROS	418029!		45466S	TROS	455045	SPG
45386	TROS	455500		45467	TROS	455046	SPG
45387	TROS	55501=		454704C1	IH	455047	SPG
45388	TROS	455583N!		454705C1	IH	455049	NATL
45390	TROS	455509		454706C1	IH	455053	NATL
45392	TROS	416130!		454707C91	IH	455054	NATL
45393	TROS	417507!		454707C91	IH	455054SSR	SPG
45393	TROS	417507		45471	TROS	455056	TIMKE
45394S	TROS	417507!		454729	ALLCH	455057	SPG
45394S	TROS	417507		45472S	TROS	455058	NATL
45396	TROS	55524		45473S	TROS	455059	SPG
45397	TROS	55532=		45475C1	IH	455060	NATL
45399	TROS	55539=		45475S	TROS	455060	TIMKE
453996R91	IH	473426		45476S	TROS	455062	TIMKE
4539H	TIMKE	4539H		45477S	TROS	455064	SPG
453R	TIMKE	453PKG		45478	TROS	455065	SPG
45400	GARLK	415645!		45478S	TROS	455066	SPG
45401	TROS	415697!		4548RPD	JN-MN	455068	TIMKE
45401	TROS	455547		454R	TIMKE	455069	SPG
45402S	TROS	415697!		455000	NATL	455070	TIMKE
45402S	TROS	455547		455001	C-R	455070N	NATL
45403	TROS	55548		455001S	TIMKE	455071	NATL
45404	TROS	455556		455002	NATL	455072	NATL
45405	TROS	415559		455003	TIMKE	455073	TIMKE
45406	TROS	417433		455004S	TIMKE	455074	SPG
45407	TROS	455566		455005	TIMKE	455075	TIMKE
45408S	TROS	417506		455006	TIMKE	455079	NATL
45409S	TROS	455576!		455006N	TIMKE	455079	NATL
45410	TROS	415577		455007	NATL	455079	TIMKE
45412	TROS	456618		455008	TIMKE	455080	TIMKE
454136N	TIMKE	454136N		455009	TIMKE	455082	NATL
454136RRR	SPG	454136N		455011	TIMKE	455082	WMG
45415	TROS	416070		455012	TIMKE	455084	NATL
45418	TROS	55611=		455013	TIMKE	455086	TIMKE
45419	TROS	455612=		455014	TIMKE	455088	TIMKE
45420	TROS	416294!		455015	TIMKE	455088V	TIMKE

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455090	SPG	415090	455183	NATL	417205!	455297	TIMKE	455297	455452R91 IH		481443!
455091	TIMKE	416167	455183	SPG	417205!	455299	SPG	417600	455453R91 IH		471827!
455093	TIMKE	411376	455185	NATL	417211!	455300	NATL	417601	455458	SPG	415458!
455094	NATL	416444	455186	NATL	417967!	455301	TIMKE	455301	455460	SPG	417545
455095	NATL	416271!	455186	NATL	417967=	455301SSR	SPG	55301S	455461	SPG	455576!
455096	TIMKE	411245	455186	TIMKE	417967	455303	SPG	415303!	455462	TIMKE	455462
455098	NATL	415302	455188	TIMKE	455188	455304	SPG	476470	455464	SPG	417550
4550A	DIA	471689!	455189	TIMKE	455189	455308	TIMKE	455308	455471	TIMKE	455471
4550A	HERCU	471689!	455191	TIMKE	455191	455309	CLARK	472179	455473	NATL	417518
4550B	JN-MN	417621!	455192	TIMKE	455192	45531	SPG	45031S	455475	TIMKE	455475
455104	TIMKE	455104	455194	TIMKE	455194	455310	TIMKE	455310	455476	TIMKE	455476
455105	NATL	415938	455195	TIMKE	472157	455311	TIMKE	455311	455479	TIMKE	417350
455106	NATL	417556	455196	NATL	415196!	455312	SPG	417278	455479	WMG	417350!
455107	NATL	416666	455197	SPG	455197N	455315	NATL	415984!	455479V	TIMKE	417350
455107	SPG	416666	455197	TIMKE	455197	455318	SPG	417542	455480	NATL	455480=
455109	C-R	AR20	455197N	TIMKE	455197N	455319	SPG	417495	455480	TIMKE	455480
455109	NATL	417562	455197SSR	SPG	455197	45531S	SPG	45031S	455480V	SPG	455480
455111	NATL	416229	455198	TIMKE	455198	455321	TIMKE	455321	455480V	TIMKE	455480
455111SSR	SPG	416229	455200	NATL	416888	455322	TIMKE	417484	455483	SPG	415483
455114	SPG	455584	455200	TIMKE	416888	455322N	TIMKE	417484	455486	SPG	415937!
455117	TIMKE	455117	455200N	TIMKE	416888	455322V	TIMKE	417484	455487	SPG	417555!
455121	TIMKE	455121	455200SSR	SPG	416888!	455325	SPG	417532	455489	SPG	417603!
455121V	TIMKE	455121	455201	SPG	417509	455328	TIMKE	455328	455495	SPG	417547
455121VGR	SPG	455121	455203	TIMKE	455203	455330	NATL	455330=	455498	SPG	415498
455122	SPG	417602!	455204	SPG	417515	455330	TIMKE	455330	455499	TIMKE	418029
455123	TIMKE	455123	455205	SPG	416137	455336	TIMKE	455336	45550	C-R	417533
455126	SPG	417604	455206	SPG	416144	455341	SPG	417494	455500	NATL	455500
455128	SPG	415128	455207	SPG	416149	455342	SPG	417531	455500	TIMKE	455500
455129	TIMKE	455129	455208	CLARK	474278!	455347	NATL	417159	455502	SPG	455583N!
455130	SPG	417474	455209	SPG	416154!	45534TA	TRSCM	417530	455509	TIMKE	455509
455134	NATL	455134=	45521	HYST	473226	455350	SPG	415350	45551	C-R	417533
455134	TIMKE	455134	455211	NATL	416158	455354	NATL	416404!	455511	NATL	2081
455136	TIMKE	455136	455212	SPG	417535	455355	TIMKE	417158	455512	SPG	416130!
455137	NATL	416888	455213	NATL	417247!	455356	TIMKE	455356	455513	TIMKE	417507
455137	TIMKE	455137	455214	CLARK	471570!	455364	TIMKE	416664	455513SSR	SPG	417507
455138	SPG	415138!	455214	SPG	416163	455368	TIMKE	415483	455513SSR	SPG	417507!
455140	SPG	417554!	455217	SPG	417267	455369	TIMKE	416273	455517	SPG	416364!
455142	SPG	415142	455219	SPG	415219	455370	SPG	417537	455536	TIMKE	455536
455144	TIMKE	455144	455225	SPG	417020	455371	NATL	415371	455547	TIMKE	455547
455145	NATL	417172	455233	SPG	417538	455377	NATL	417541	45554S	TROS	471570!
455146	TIMKE	455146	455234	NATL	415234!	455378	NATL	415284	45555	TROS	473228
455147	TIMKE	415449	455244	NATL	417481	455378H	TIMKE	415284	455551	NATL	415551
455148	SPG	417366!	455245	SPG	416024	455379	TIMKE	415379	455556	TIMKE	455556
455149	SPG	417343!	455247	SPG	417540	455379V	NATL	3893V	455559	SPG	415559
455150	NATL	415150!	455248	SPG	412861	455379V	TIMKE	415379	45555TA	TRSCM	416888!
455151	TIMKE	455151	455249	NATL	455249	455380	SPG	410825	455566	TIMKE	455566
455152	SPG	417134	455249	TIMKE	455249	455383	NATL	416956	455575	SPG	417506
455153	NATL	417486	45525	SPG	45525S	455389	SPG	415389	455576	NATL	455576=
455154	TIMKE	417351	455250	SPG	415303!	455393	SPG	417511	455576	TIMKE	455576
455156	NATL	417621!	455251H	TIMKE	455251H	455394	SPG	415394	455577	SPG	415577
455158	NATL	417488!	455253	TIMKE	455253	455395	SPG	417549!	455583N	NATL	455583N
455160	SPG	417171!	455254	SPG	415254	455396	TIMKE	455396	455583N	TIMKE	455583N
455161	SPG	417490	455255	SPG	417198	4553B	JN-MN	473245!	455583SSR	SPG	455583N!
455162	NATL	417181!	455258	SPG	417252	455406	NATL	455406=	455584	TIMKE	455584
455162	SPG	417181!	455258R91	IH	41013S	455406	TIMKE	455406	45560	C-R	457585!
455163	SPG	417491	455259	SPG	415259!	455421	SPG	417564	455601	SPG	416070
455164	SPG	412473!	45525S	TIMKE	45525S	455423	SPG	417503	455613	SPG	416294!
455164S	SPG	412473!	455260	TIMKE	455260	455434	TIMKE	455434	455615	NATL	418028
455164S60	SPG	412473!	455262	SPG	417496	455437	NATL	415437	455615	NATL	455137!
455165	TIMKE	455165	455263	NATL	415263	455437N	NATL	415437	455618	SPG	416029N!
455166	SPG	417492	455265	SPG	456305	455437N	TIMKE	415437	45561D	IH	470530!
455168	SPG	417354!	455270	SPG	417605	455437RRR	SPG	415437	455645	SPG	415645!
455170	NATL	417196!	455271	NATL	415725!	455446R91	IH	413469!	45564SA	TRSCM	416153
455172	NATL	416332!	455272	TIMKE	416706	455447	NATL	415447	455655	NATL	455655=
455172N	NATL	416332!	455273	SPG	417254	455447R91	IH	470088	455655	TIMKE	455655
455172N	NATL	455172	455280	TIMKE	455280	455448	TIMKE	417262	455659	SPG	416267!
455173	TIMKE	415437	455281	NATL	417349	455448R91	IH	471795	455685	NATL	370131A
455174	SPG	417497	455282	NATL	416364!	455449	NATL	415449!	455685	TIMKE	455685
455175	SPG	415937!	455290	TIMKE	455290	455449R91	IH	450593!	455697	SPG	415697!
455177	NATL	415379!	455294	TIMKE	415294	455450R91	IH	473463	455699	SPG	416364!
455177	NATL	415379	455295	SPG	415295	455451R91	IH	471466!	455725	SPG	415725!
455181	SPG	417355!	455296	SPG	417082	455452	SPG	417597	455728	SPG	416071

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455807A	HARWA	45X58X7!	4563	ALOY	411330	45705	C-R	370003A	458112C1	IH	412871!
455807XX	TIMKE	45X58X7	456305	TIMKE	456305	45705	C-R	386025A	45816	EATON	415458!
455820	TIMKE	455820	456339	SPG	416339	45705	C-R	416158	45825	SPG	45825S
455824	SPG	417258	45634	C-R	6644	457050	C-R	370003A	45825S	TIMKE	45825S
455828V	SPG	455828V	45634008.5	TROS	417355!	457096V	SPG	457096V	45827	SPG	45827S
455828V	TIMKE	455828V	45634008.5	TROS	485497	457096V	TIMKE	457096V	45827S	TIMKE	45827S
455832	SPG	415832	45634010	TROS	417355!	45710	GARLK	417361	4583	TIMKE	4583
455836	SPG	415995!	456345	SPG	416345!	457158	SPG	417158!	458428	IH	415995!
455836	SPG	415995!	456350	SPG	415034!	457171	SPG	417171!	45850	GARLK	417362!
455854	SPG	415854	45635610	TROS	417211!	457172	SPG	417172	458510A	HARWA	45X85X10
455858	TIMKE	455858	45637S	TIMKE	45637S	457181	SPG	417181!	458510XX	TIMKE	45X85X10
455860	TIMKE	417480	4563V	TIMKE	4563V	457191	SPG	417191	458513XX	TIMKE	45X85X13
455861	SPG	6635S	45640004	TROS	45187S	457196	SPG	417196!	4585OS	JN-MN	470059
455867V	SPG	415867	456414	NATL	415991	457205	SPG	417205!	4585OS	JN-MN	470380!
455867V	TIMKE	415867	456414	NATL	455146!	457207XX	TIMKE	45X72X7	45866	SPICE	710430
45587	HYST	471354!	45645	GARLK	417247!	457210XX	TIMKE	45X72X10	4587B	JN-MN	450639 *
455871	SPG	415871	456462	TIMKE	456462	457211	NATL	417211!	4587LUP	JN-MN	450639
455872	SPG	457291	456464	TIMKE	456464	457211	WMG	417211!	458858	GMC	8622
455894	SPG	412473!	456472N	TIMKE	410825	457212XX	TIMKE	45X72X12	458859	GMC	8622
4558B	JN-MN	417600 *	456472RA9	SPG	410825	457226	FMC	473232!	45890	GARLK	417363
455937	SPG	415937!	456476RAR	SPG	416476	457247	SPG	417247!	458925R91	IH	203006!
455948	TIMKE	455948	456493	WHITE	473215!	457247R	SPG	417247 =	4589A	HERCU	473238
455953	NATL	415035	456494	NATL	417530	457254	SPG	417254	4589EL	SUL	415995!
455953	NATL	415035!	4564B	JN-MN	418028	457262	SPG	417262!	458R	TIMKE	458PKG
455953	WMG	415035!	4564B	JN-MN	455137!	457278	SPG	417278	45906	US-EL	415035!
455956H	TIMKE	455956H	4564V	TIMKE	4564V	457278	SPG	417278	45906	US-EL	415035
455958S	TIMKE	415958	45650	GARLK	417360	457291	TIMKE	457291	45910	GARLK	416666
455960	SPG	415960	456500	PACIF	416500!	457294	TIMKE	457294	4592	ALOY	6936S
455963H	NATL	415379!	456508XX	TIMKE	45X65X8	457295	TIMKE	457295	4592	ALOY	9845
455963H	SPG	415379!	45652	SPICE	710453	457297	SPG	417562	459243C1	IH	415035
455966	TIMKE	455966	45653	SPG	45653S	457299	TIMKE	457299	45925	GARLK	417364
455984	SPG	415984!	45653S	TIMKE	45653S	457316	SPG	417316!	4592B	JN-MN	481650 *
455995N	TIMKE	415995	456556	SPG	416556!	45734	C-R	5751	459322	FWD	471554!
455D6	WHITE	6635S	456556	SPG	472157	457343	SPG	417343!	4594B	JN-MN	415697!
455R	TIMKE	455PKG	456557	TIMKE	416557	457344	SPG	417344!	4594B	JN-MN	455547
45600	C-R	417534	456585	TIMKE	456585	457349	SPG	417349!	4594EL	SUL	415001!
456007XX	TIMKE	45X60X7	456618	NATL	370023A	457350	SPG	417350!	4596A	HERCU	471192
456008XX	TIMKE	45X60X8	456618	TIMKE	456618	457351	SPG	417351!	4596EL	SUL	416654!
456010XX	TIMKE	45X60X10	456618	WMG	370023A	457352	SPG	418028	4597EL	SUL	417196!
456011	SPG	417621!	456618-S61	IH	370023A	457353	SPG	417353!	4598	ALOY	7107A =
456026	SPG	417487	456624	SPG	416624!	457354	SPG	417354!	4598	TIMKE	4598
456026	SPG	417487!	456641	TIMKE	456641	457355	SPG	417355!	459R	TIMKE	459PKG
456041	SPG	416041	456648	TIMKE	456648	457356	SPG	417356!	45X58X7	SIMRT	45X58X7!
456047	SPG	416332!	456664	SPG	416664!	457357	SPG	417357	45X58X7SC	TRSCM	45X58X7!
456052	TIMKE	456052	456666	SPG	416666	457358	SPG	417358	45X58X7TC	TRSCM	45X58X7!
456055	TIMKE	456055	45667D	IH	471442!	457359	SPG	417359	45X60X10SC	TRSCM	45X60X10!
456055VG0	SPG	456055	45670	DANA	473227	457360	SPG	417360	45X60X10TC	TRSCM	45X60X10!
456057	TIMKE	456057	456744N	TIMKE	456744N	457361	SPG	417361	45X60X7AN(35)	ISP	45X60X7
4560719	MERCE	140X160X13!	4567809	CHRY	4889 =	457362	SPG	417362!	45X60X8SC	TRSCM	45X60X8
456105	TIMKE	456105	4567811	CHRY	4890 =	457363	SPG	417363	45X60X8TC	TRSCM	45X60X8
456107	SPG	416107!	456807XX	TIMKE	45X68X7	457364	SPG	417364	45X62X8SB	TRSCM	1012
456125	SPG	416125!	456837V	TIMKE	456837V	457365	SPG	417365	45X62X8SB	TRSCM	1012N
456130	SPG	416130!	456865	SPG	416865!	457366	SPG	417366!	45X62X8SC	TRSCM	45X62X8!
456135	SPG	416135!	456865N	TIMKE	416865	4573927	CHRY	714655	45X62X8TC	TRSCM	45X62X8!
456141	TIMKE	456141	456888	SPG	416888!	457461	WHITE	6513	45X65X5TB	TRSCM	1992
456153	TIMKE	416153	456890	TIMKE	456890	45750	C-R	457585	45X65X8SC	TRSCM	45X65X8!
456174	SPG	417551	456891	SPG	416891!	457507XX	TIMKE	45X75X7	45X65X8TC	TRSCM	45X65X8!
456192	TIMKE	456192	456892	SPG	416892!	457585	TIMKE	457585	45X68X7SC	TRSCM	45X68X7!
456197	CLARK	240119	4568R	JN-MN	472150 *	4576	DURA	476838!	45X68X7TC	TRSCM	45X68X7!
4561V	TIMKE	4561V	4569	ALOY	416273	457874	TIMKE	457874	45X70X10SC	TRSCM	45X70X10
45620	GARLK	417254	456919VGR	SPG	416919	45788	VICK	450545	45X70X10TC	TRSCM	45X70X10
456208XX	TIMKE	45X62X8	456921	SPG	416921!	457997	TIMKE	457997	45X72X10SC	TRSCM	45X72X10
45621	HYST	473226	456967V	TIMKE	456967V	457FF2-L	C-R	6465	45X72X10TC	TRSCM	45X72X10
456239	SPG	416239!	45699	C-R	370006A	457R	TIMKE	457PKG	45X72X12SC	TRSCM	45X72X12!
45625SA	TRSCM	415351!	45699	C-R	380003A	458009V	TIMKE	458009V	45X72X12TC	TRSCM	45X72X12!
456271	SPG	416271!	456A34010	TROS	417355!	458010XX	TIMKE	45X80X10	45X72X7SC	TRSCM	45X72X7!
456273	SPG	416273	456FF2-L	C-R	6465	4580562	RCA	471571	45X72X7TC	TRSCM	45X72X7!
456288	SPG	416288!	456R	TIMKE	456PKG	4580563	RCA	415379	45X72X95SC	TRSCM	45X72X95
456292	NATL	416292	457010XX	TIMKE	45X70X10	4580563	RCA	415379!	45X72X95TC	TRSCM	45X72X95
456294	CLARK	471267	45701K	TROS	5401	4580566	RCA	470625!	45X75X7SC	TRSCM	45X75X7!
456294	SPG	416294!	45702D	IH	473214	4580567	RCA	415449!	45X75X7TC	TRSCM	45X75X7!
4562V	TIMKE	4562V	457034	TIMKE	416404	458111C1	IH	481181!	45X75X8SB	TRSCM	1979

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Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
45X80X10SC TRSCM	45X80X10	46050PM VIC	417158!	4610506 KOEH	415116	4616VJ SPG	714616
45X80X10TC TRSCM	45X80X10	46052 VIC	415899N	4610B JN-MN	471466!	46171 VIC	323138!
45X85X10 SIMRT	45X85X10	46052 VIC	416624	46110 VIC	417621	46172 VIC	471267!
45X85X10SC TRSCM	45X85X10	46052M4 VIC	416624	4611035 WOOL	417602!	46173 VIC	204020
45X85X10TC TRSCM	45X85X10	46053 TROS	472287!	46111 VIC	470954	46173 VIC	204505!
45X85X13SC TRSCM	45X85X13	46053 VIC	5778	46112 VIC	470487!	46174 VIC	471763
45X85X13TC TRSCM	45X85X13	46055 TROS	473010!	46113 VIC	323126	46175 VIC	311189
460-6001 STEM	475003N+99262	46055 VIC	472560N!	46113 VIC	474278!	46176 VIC	7412S
460-6002 STEM	9773+99262	46057 VIC	5589\$	4611315 KOEH	415483	46177 VIC	203006!
460-6003 STEM	416500	46057 VIC	6957=	46114 VIC	473234!	46179 VIC	40316S
460-6004 STEM	475322N+99274	46058 TROS	415449!	4611441 KOEH	415991	46181 HYST	50528
460-6005 STEM	475009N+99274	46058 VIC	253099	4611441 KOEH	455146!	46181 VIC	417350!
460-6006 STEM	475012N+99293	46058 VIC	471652	4611442 KOEH	417158!	46182 VIC	471652
460-6007 STEM	415013N+99300	46058 VIC	482208!	46115 VIC	471553!	461823-P60 IH	JX1120
460-6008 STEM	476283N+99274	46060 C-R	710089	4611502 KOEH	416364!	46183 VIC	471341!
460-6009 STEM	475458+99262	46060 TROS	417344!	46116 VIC	470625!	46186 VIC	311189
460-6011 STEM	415304+99324!	46060 VIC	6840S	4611773 ALLCH	471567!	46188 VIC	470328
460-6012 STEM	415086N+99300!	46061 VIC	472015!	46117735 ALLCH	471567!	46188 VIC	481213!
460-6013 STEM	415004+99274	46062 VIC	471829	46120 VIC	7018N=	46189 VIC	417343!
46000 VIC	41081S=	46063 VIC	471442!	46121 VIC	9568	46190 C-R	415371
46002 TROS	471192	46065 DANA	710429	46122 VIC	44053	46190 VIC	6906S
46002 VIC	6626S	46065 TROS	416444	46123 VIC	6703S	46192 VIC	6863S!
46003 VIC	415302	46065 VIC	473234!	4612310 KOEH	412040	46194 VIC	343101
46004 SPICE	9864S	46066 DANA	710428	4612319 KOEH	417484!	46195 VIC	471466!
46006 VIC	6636S	46068 TROS	415379	46125 C-R	456641	46196 VIC	254270
46007 VIC	476470	46068 VIC	7994S	46125 VIC	470334!	461964 WHITE	5473
46008 VIC	6815	46070 VIC	473231!	46128 VIC	472287!	46197 VIC	471270!
46009 VIC	473016!	46073 VIC	473224	46130 VIC	473317	461970 WHITE	5406
46010 VIC	473228!	46076 VIC	205017	46131 VIC	7686S	46198 VIC	471652
46011 VIC	451857	46077 VIC	340771	461312M1 C-R	417354!*	46199 VIC	353135
46012 VIC	474281!	46078 VIC	474278!	46132 VIC	472705!	46199 VIC	474278!
46013 VIC	472164!	46078 VIC	6859S	46133 VIC	472185!	4619EL SUL	473461!
46013S TROS	75251S	46080 VIC	473367	46134 VIC	321460	461V1502 KOEH	416364!
46014 VIC	410308	46080 VIC	473367!	46135 VIC	417316!	461W316-M1 C-R	417196!*
46015 VIC	415001!	46081 VIC	5128N	46136 VIC	455500	461W316-Y13 C-R	417196!*
46017 VIC	417134	46084 VIC	471413	4613N TIMKE	4613N	461W320 C-R	416332!
46018 VIC	450666	46085 VIC	710409	46140 VIC	410059	461W320-M1 C-R	416332!
46019 VIC	471195!	46087 VIC	416273	46140 VIC	470059	461W34 C-R	416297
46020 TROS	200600	46087 VIC	473367*	46140 VIC	470380!	4620 CLIN	340724!
46020 VIC	240733	46087 VIC	473367	46140SF VIC	470059	46200 C-R	415371
46021 TROS	80313	46089 VIC	6808N	46141 VIC	473234!	46200 VIC	8139
46025 TROS	200640	46090 VIC	9150S	46143 VIC	7188S	46201 TROS	6358
46025 VIC	204017	46091 VIC	473467	4614392 ALLCH	455008	46201 VIC	480630!
46026 VIC	6759S	46093 VIC	7044NA	46144 C-R	416156	46202 CUSH	471652
46027 VIC	340413	46095 VIC	324941	46144 VIC	473234	46202 TROS	417355!
46028 VIC	473224!	46096 VIC	3095	461449 ALLCH	472394	46202 TROS	485497
46030 GARLK	417365	46097 VIC	473215!	46145 VIC	342805	46202 VIC	352541
46030 VIC	6952S=	46098 VIC	9613S	461456 ALLCH	472394	46202M DIA	5957S
460300R91 IH	471692!	46099 VIC	6985	46148 VIC	474276!	46202S TROS	417355!
46032 VIC	323119	460R TIMKE	460PKG	46149 VIC	471442!	46202S TROS	485497
46033 TROS	7208S	460W36-Y13 C-R	6358	4614N TIMKE	4614N	46203 TROS	2081
46033 VIC	7886S	46100 VIC	6930	46150 C-R	416156	46203 VIC	473214
46036 VIC	712260	4610001 KOEH	471619!	46150 VIC	470605!	46205 VIC	471195!
46038 VIC	473226	46101 TROS	40973S	4615166 ALLCH	471766!	46206 VIC	472354!
46038Q6 C-R	417353!	46102 VIC	472287!	4615167 ALLCH	471735	46208 VIC	5092
46039 VIC	1192	4610204 KOEH	470086	46153 VIC	5072	46209 VIC	7456N
46039 VIC	473231!	46103 VIC	471689!	46156 VIC	7044NA	46210 VIC	473179
46039 VIC	473231!	4610309 KOEH	471341!	46157 VIC	411253!	46211 C-R	415371
46040 VIC	470565!	4610314 KOEH	410825	46158 VIC	8362	46211 VIC	417344!
46041 VIC	7537S	4610323 KOEH	55238	46159 VIC	5126	46213 VIC	7014S
46042 TROS	200642	46104 VIC	323133	4615V TIMKE	4615V	46214 VIC	472705!
46043 VIC	3103!	4610400 KOEH	417549!	46160 VIC	472164!	46215 VIC	5113
46044 VIC	451948	4610401 KOEH	415047	46162 VIC	7216	46215 VIC	7721
46045 TROS	450040	4610402 KOEH	415150!	46163 VIC	470605!	46217 VIC	415995!
46046 VIC	470059	4610409 KOEH	456105	461642R91 IH	471808!	46219 VIC	472572!
46046 VIC	470380!	4610411 KOEH	415035!	46165 VIC	331107N	4621939 CHRYS	710056
46047 TROS	473367	4610411 KOEH	415035	4616570 ALLCH	415041	46220 VIC	471138!
46047 VIC	40185	4610413 KOEH	415066	46165S TROS	6626S	46220PH VIC	471138!
46048 TROS	473228!	4610423 KOEH	412473!	46166 VIC	7107A=	46221 C-R	415371
46048 VIC	6960	4610426 KOEH	415027	46167 TROS	40576S	462214 C-R	55346
46049 VIC	471829	4610441 KOEH	417254	46167 VIC	7107A=	46227 VIC	7338N
46050 GARLK	415072	4610502 KOEH	415072	4616954 ALLCH	411253!	462271 VIC	7338N

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial
46230	VIC	472705!	462857	GMC	470682	46330	VIC	472287!	46403	VIC	472082
46231	VIC	470712!	46286	VIC	415449!	46331	C-R	415064	46404	VIC	8429S
4623109	SCOT	240119	462864	GMC	9316	46331	VIC	473237!	46404094	FIAT	713034
462312	C-R	417354!	46288	VIC	205044	46333	VIC	417350=	46408	VIC	5124
462312M1	C-R	417354!	46289	VIC	473454	46334	VIC	323119	46409	VIC	7934S
462314	C-R	417493	46290	VIC	480581	46336	C-R	415064	4640B	JN-MN	55228* =
462314M1	C-R	417493	46291	C-R	416158	46336	VIC	340847	4641	C-R	320457*
462316	C-R	417196!	46291	VIC	416404!	46337	VIC	340850	46410	VIC	472258!
462316	GOODM	417196!	46292	C-R	416158	46338	VIC	240735	46411	SPICE	4525V
462316	GR-DV	417196!	46292	VIC	470950!	46340	TROS	471316	46411	VIC	351487
462316M1	C-R	417196!	46292	VIC	6241S	46340	VIC	6863S!	46411-1	SPICE	4525V
462318	C-R	415711	46293	VIC	350936	463425R91	IH	204017	46412	VIC	6863S!
462318M1	C-R	415711	46293	VIC	471854!	46343	VIC	471643!	4641982	ALLCH	471766!
462320	C-R	416332!	46294	VIC	331301N	46344	VIC	471554!	46423	VIC	474272*
462320	MINMA	416332!	46295	C-R	416158	4634451	RFT	713156	46423	VIC	474272!
462320M1	C-R	416332!	46296	VIC	417316	46346	VIC	471442!	46424	VIC	8974S
46235	VIC	7107A=	46297	VIC	470530!	46347	VIC	472311!	464244C1	IH	710008
46239	VIC	471267!	46298	VIC	7934S	46348	VIC	471271!	464244C2	IH	710008
46240	VIC	5113	462W312-M1	C-R	417354!	46349	VIC	471264!	464260	WHITE	471316!
46240	VIC	7721	462W314	C-R	417493	46350	VIC	411376!	46431	VIC	471649!
46241	TROS	6241S	462W316	C-R	417196!	46356	VIC	8429S	46431S	TROS	473179
46241	VIC	342805	462W316-M1	C-R	417196!	46358	VIC	456837V	46432	VIC	481163!
46242S	TROS	6241S	462W38	C-R	417353!*	46359	VIC	470954!	46433	VIC	9449
46243	VIC	7840S	463	KRSE	417343!	46361	VIC	411500	46434	VIC	9178S
46244	VIC	473237!	46300	C-R	380023A	46362	VIC	40154S	46435	VIC	5113
46246	VIC	451182	46300	C-R	386025A	4636502	CHRY	710198	46436	VIC	8975S
46247	VIC	415995!	46300	C-R	417505	46366	VIC	340847	46438	VIC	8660S
46247	VIC	415995*	46300	VIC	1037	46368	VIC	473258!	46439	VIC	8705S
46248	VIC	7456N	4630121	ALLCH	J1123	46368	VIC	8168=	46442	VIC	413246!
46249	VIC	7235S	46302	VIC	8139	46369	VIC	8293S	46445	HYST	55501=
4624N	WMG	4624V	463024	GMC	473546	46370	VIC	8610	46447	VIC	471737
4624V	TIMKE	4624V	4630273	ALLCH	415165H=	46371	VIC	9015S	46449	VIC	7214
4624VX8	SPG	4624V	46303	VIC	7607	46372	VIC	413248!	46450	VIC	476838!
46250	VIC	417316!	46304	C-R	416158	46373	VIC	470954!	46452	VIC	8704S
46251	VIC	415449!	46305	C-R	416158	46374	VIC	410825!	46453	VIC	8974S
46252	VIC	7537S	46306	C-R	416158	46374	VIC	410825!	46454	VIC	471570!
46253	VIC	472287!	46306	VIC	240119	463748	GMC	415960	46456	VIC	8430S
46254	VIC	473214	463064	GMC	3543	46375	VIC	472070	46457	VIC	7687S
46255	VIC	450400	46307	VIC	471821!	46376	VIC	470954!	4646	C-R	320457
46256	VIC	471538	46307	VIC	471821*	46377	VIC	472015!	46460	VIC	9195S=
46257	VIC	473214!	46308	C-R	416158	4637776	CHRY	714655	46461	VIC	4148
46258	VIC	7457N	46308	VIC	450472!	46377PM	VIC	472015!	46461	VIC	471424!
46260	TROS	472164!	46308	VIC	7751H	46378	VIC	415458!	464633	SPICE	471271!
46260	VIC	472354!	4630820	ALLCH	472492!	46379	VIC	415995!	464634	SPICE	481181!
46261	VIC	41257!	4630856	ALLCH	413247!	46379PM	VIC	415995!	464638	SPICE	411509V*
46263	VIC	313842	46309	C-R	2505	46380	VIC	476470*	464649	WHITE	50199S!
4626515	CHRY	7412S	46309	VIC	482253	46380	VIC	476470!	464649	WHITE	6863S!
4626696	CHRY	473227	46310	VIC	481181!	46383	VIC	471413!	46467	VIC	3945
46268	VIC	471554!	46313	VIC	473459	46383	VIC	7412S	46467	VIC	4131
46269	VIC	350877	46314	VIC	472439	46384	VIC	474281!	46469	VIC	470380!
46269	VIC	471633!	46316	VIC	473235!	46386	VIC	411253!	46469	VIC	472189A
4626A	HERCU	471554!	46317	VIC	7780	46386SE	VIC	411253!	46470	VIC	203006!
46270	VIC	472394	46317-4-22	IH	417433=	46388	VIC	415458!	46471	VIC	483054N
46271	VIC	8421S	46318	VIC	40494S!	4638904	CHRY	4370N	46473	VIC	9116S
46272	VIC	473237!	46318	VIC	472164	4638904	CHRY	7692S	46476	VIC	2043
46274	VIC	481181!	46319	VIC	417621!	4638941	CHRY	4370N	46477	VIC	473228!
46276	C-R	455685	46320	VIC	472409!	46390	C-R	370026A	46478	VIC	481163!
46276	VIC	472185=	46321	VIC	51322	46390	VIC	474276	46481	VIC	455151
46277	VIC	3103!	46322	VIC	8243	46392	VIC	331227H	46482	HYST	471781!
46278	VIC	471341!	46323	VIC	471795	46393	VIC	411348	46482	VIC	8695S
46279	VIC	470898!	46324	C-R	415064*	46394	VIC	312140	46483	VIC	472341!
46280	VIC	472560N	46324	VIC	473517!	46395	C-R	6886S	46485	DANA	4857
462805	GMC	710304	46325	VIC	472354!	46395	C-R	7700S!	46485	SPICE	4857
46281	VIC	473367!	46326	VIC	417316!	46395	VIC	471652	46485-1	DANA	4857
462811	GMC	710045	46327	VIC	473231*	46396	C-R	370051A	46485-1	SPICE	4857
46282	VIC	352541	46327	VIC	473231!	46396	VIC	472015!	46486	VIC	470530!
46282D	IH	452222!	46327	VIC	710430	46397	VIC	9363S	4648608	CHRY	320249
46283	VIC	471193!	46328	VIC	470380!	46398	VIC	471538!	46487	VIC	331301N
462837	WHITE	412119	46328	VIC	9613S	4640	C-R	320457*	46489	VIC	471272
46284	VIC	291295	46328SF	VIC	9613S	46400D	IH	450065	4648B	JN-MN	471705!*
46285	C-R	416158	4633	SPICE	472397!	46401	VIC	240215	464910R91	IH	473317
46285	VIC	7442H	46330	C-R	415064	46401D	IH	450260	46494	VIC	3210

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
464967	WHITE	473460	46770	VIC	415351!	46865	C-R	415284	46950	BOSTN	473205!
4649B	JN-MN	450165	46773	VIC	39807	46871	C-R	415284	46950	C-R	417536
4649B	JN-MN	471801!	46774	VIC	415697!	46876	SPERY	204008	46951	BOSTN	473205!
4649EL	SUL	473179!	46774	VIC	455547	46876	VICK	204008	46952	BOSTN	471413!
4650	C-R	320457	46776	VIC	415035	468849	WHITE	473245!	46953	BOSTN	471413!
4650B	JN-MN	416125!	4677B	JN-MN	471466!	46886	SPERY	340853	46954	BOSTN	471737
465155C1	IH	473274	46780	VIC	416865!	46886	VICK	340853	46955	BOSTN	471737
4651899	SCOT	343185	467807	WHITE	5403	46890	C-R	417535	46956	BOSTN	471766!
46540	TROS	410308!	467812	WHITE	6635S	468961R91	IH	41013S	46957	BOSTN	471766!
465483	GMC	710005	46782	VIC	415213N	46898	BOSTN	471442!	46958	BOSTN	471795
4654F	GOODM	416666	46783	VIC	415867	46899	BOSTN	471442!	46959	BOSTN	471795
4655	C-R	470004	467836	WHITE	733114	468W22-L	C-R	6077	46960	BOSTN	473210
465511C91	IH	370131A	46784	VIC	416339	46900	BOSTN	471526!	46960S	TROS	473229
465611	WHITE	451583!	46784	VIC	455031!	46901	BOSTN	471526!	46961	BOSTN	473210
46565TA	TRSCM	416156	46785	VIC	415295	46902	BOSTN	471472!	46962	BOSTN	473211!
4656F	GOODM	416666	4678B	JN-MN	473445*	46903	BOSTN	471472!	46963	BOSTN	473211!
4658	C-R	470004	46790	C-R	415284	46904	BOSTN	471466!	46964	BOSTN	473212!
4659	C-R	470004	46790PM	VIC	416364!	46905	BOSTN	471466!	46965	BOSTN	473212!
4660478	ALLCH	471689!	46791	VIC	55532=	46906	BOSTN	471264!	46966	BOSTN	473213!
466174R91	IH	341022	46794	VIC	415991	46907	BOSTN	471264!	46967	BOSTN	473213!
466174R92	IH	341022	46795	VIC	416364!	46908	BOSTN	471255!	46968	BOSTN	472258!
4661872	ALLCH	473474	46795M2	VIC	416364!	46908	KEN	J1401=	46969	BOSTN	472258!
46626	HYST	473234!	46798	VIC	416037=	46909	BOSTN	471255!	46969A	GMC	2081
4662VJR	SPG	714662	46799	VIC	471247!	46910	BOSTN	471564	46970	BOSTN	471192
46648	DANA	5778V	467F	OSHKO	411253!	46911	BOSTN	471564	46970	C-R	417537
46648	SPICE	5778V	46800	C-R	415284	46912	BOSTN	470954!	46971	BOSTN	471192
46648	VIC	5778V	46801	VIC	417600	46913	BOSTN	470954!	46972	BOSTN	473214!
4664872	ALLCH	473474	46802	VIC	415379!	46914	BOSTN	471554!	46973	BOSTN	473214!
466507XX	TIMKE	46X65X7	46803	VIC	418028	46915	BOSTN	471554!	46974	BOSTN	473215!
466588	WHITE	5408	46804	VIC	415035!	46916	BOSTN	471567!	46975	BOSTN	473215!
46661TB	TRSCM	7700S!	46808	VIC	455948	46917	BOSTN	471567!	46975D	IH	410102
46671	HYST	416380!	46809	VIC	415035	46917D	IH	472397!	46976	BOSTN	473224!
4667198	CHRY	320348	46810	C-R	415284	46918	BOSTN	471643!	46976D	IH	473215!
4667322	CHRY	710056	46810	VIC	415035	46919	BOSTN	471643!	46977	BOSTN	473224!
46676	VIC	415035	46811	C-R	415284	4691B	JN-MN	415025*	46977D	IH	473447
4667904	CHRY	5279	46811	VIC	471357	46920	BOSTN	471267!	46978	BOSTN	473016!
4667904	CHRY	710056	46811	VIC	455192!	46920	C-R	45637S*	46978D	IH	415995!
466809	WHITE	6270	46812	VIC	417357	46921	BOSTN	471267!	46979	BOSTN	473016!
466810	WHITE	5401	46813	VIC	357302	46922	BOSTN	471570!	46979D	IH	410694!
46683	HYST	417254	46813	VIC	415991	46923	BOSTN	471570!	4697B	JN-MN	471224!
466867	WHITE	410825	46814	VIC	415379	46924	BOSTN	471646!	46980	BOSTN	473225
46688	VIC	416888!	46815	VIC	415227!	46925	BOSTN	471646!	46980D	IH	415991
46689	VIC	416888!	46817	VIC	416273	46926	BOSTN	470590	46980D	IH	455146!
46690	VIC	416888!	46817PM	VIC	416125!	46927	BOSTN	470590	46981	BOSTN	473225
46691	VIC	416888!	46818	VIC	415035	46928	BOSTN	471224!	46982	BOSTN	473226
46697	HYST	471413!	46820	VIC	415498	46929	BOSTN	471224!	46982D	IH	481864
467008XX	TIMKE	46X70X8	46829	VIC	3492V	46930	BOSTN	471649!	46983	BOSTN	473226
4670305	ALLCH	472397!	46831	HYST	415350	46930	C-R	45637S*	469835R91	IH	7186S
467141	BENDI	340210	468312	C-R	455249!	46931	BOSTN	471649!	46983D	IH	412119!
4674B	JN-MN	473238	468312M1	C-R	455249!	46932	BOSTN	471689!	46984	BOSTN	473227!
4674N	TIMKE	4674N	46838	VIC	BS15868	46933	BOSTN	471689!	469844C1	IH	370150A
46750	KELSE	203025	46839	VIC	415725!	46934	BOSTN	471733	469845C1	IH	415437
46751	VIC	455583N!	4683B	JN-MN	471649!	46935	BOSTN	471733	46984D	IH	416921!
46752	VIC	415938	46841ST	VIC	370065A	46935	C-R	417535	46985	BOSTN	473227!
46754	VIC	415725!	46842	VIC	370036A>	46936	BOSTN	471652	46986	BOSTN	470625!
46754	VIC	485725H=	46842	VIC	370349A%	46936	BOSTN	482208!	46987	BOSTN	470625!
46755	VIC	6864S	46842ST	VIC	370036A	46937	BOSTN	471652	46988	BOSTN	470380!
46757	VIC	415379	46842ST	VIC	370349A	46938	BOSTN	471692!	46989	BOSTN	470380!
467574	WHITE	415960	46843	VIC	415284	46939	BOSTN	471692!	4698B	JN-MN	473238
46758	VIC	327215	46844	VIC	455956H	4693B	JN-MN	50419	46990	BOSTN	473228!
46758	VIC	415035!	46844	VIC	BS40116	46940	BOSTN	470712!	46991	BOSTN	473228!
46759	VIC	415213N	46845	VIC	370036A	46941	BOSTN	470712!	46992	BOSTN	472213
4675VA8	SPG	714675	46845	VIC	370349A	46942	BOSTN	471763	46993	BOSTN	472213
46760	TROS	5585	46846	VIC	415035!	46943	BOSTN	471763	46994	BOSTN	472299
46761	TROS	5585	46847	VIC	370037A	46944	BOSTN	473203	46995	BOSTN	472299
46761	VIC	415284	46847	VIC	370338A	46945	BOSTN	473203	46996	BOSTN	473229!
46763	VIC	455858	46848	VIC	370107A	46946	BOSTN	472475	46997	BOSTN	473229!
46765	VIC	476842	46849	VIC	370027A	469461	WHITE	5471	46997S	TIMKE	46997S
46767	VIC	415027	4684B	JN-MN	471413!*	46947	BOSTN	472475	46998	BOSTN	470682
46767	VIC	415138!	46850	VIC	415958!	46948	BOSTN	471765!	46999	BOSTN	470682
46768	VIC	416865!	46850	VIC	415958	46949	BOSTN	471765!	4699B	JN-MN	417492
46769	VIC	456618	46851	C-R	415284	4694B	JN-MN	471649!	46X65X7SC	TRSCM	46X65X7!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
46X65X7TC TRSCM	46X65X7!		470115 SPG	473467		470230 TIMKE	471689		47036 BOSTN	473241	
46X70X8SC TRSCM	46X70X8!		470119 SPG	471442!		470236 SPG	470712!		47036 VIC	415196!	
46X70X8TC TRSCM	46X70X8!		470119 TIMKE	471442		470236 TIMKE	470712		470361 TIMKE	472193	
47000 BOSTN	473230!		47012 BOSTN	473235!		47024 BOSTN	472439		470362 TIMKE	450362	
470004 NATL	470004		47012 VIC	471504!		47024 VIC	55238		47036S TROS	415458!	
470004 TIMKE	470004		470120 TIMKE	471224		470241 TIMKE	471785		47037 BOSTN	473241	
470005 TIMKE	471526		470120SSR SPG	471224		470241SSR SPG	471785		47037S TROS	415146!	
4700052404 BUSHH	240462		470121 SPG	472409!		470244 SPG	471787!		47037S TROS	415991	
470009 TIMKE	471466		470129 TIMKE	472826		470244 TIMKE	471787		47038 BOSTN	472144!	
47000S TROS	240009		47012S TROS	203003		470244SSR SPG	471787		47038 VIC	40169S	
47001 BOSTN	473230!		47013 BOSTN	473235!		470245 TIMKE	471795		470380 NATL	410059	
47001 VIC	474279N		47013 VIC	450472!		47025 BOSTN	472439		470380 NATL	470059	
470014 TIMKE	471472		470135 SPG	471192		47025 TROS	205015		470380 NATL	472189A!	
470018 TIMKE	471264		470135 TIMKE	471192		47025 VIC	475384		470380 NATL	9613S	
47001S TROS	203029		470135SSR SPG	471192		47026 BOSTN	472572!		470380 TIMKE	470380	
47002 BOSTN	473231!		470136 SPG	470625!		47026 TROS	204020		470380A TIMKE	470380	
47002 VIC	471564		470138V TIMKE	473459		47026 TROS	204505!		470380V TIMKE	470380	
470023 TIMKE	471255		47013S TROS	203003		47026 VIC	455310		470389 SPG	472492!	
470025 TIMKE	471553		47014 BOSTN	473236!		47027 BOSTN	472572!		47039 BOSTN	472144!	
470025SSR SPG	471553		47014 VIC	450474		47027 TROS	205035		47039 VIC	473228	
470027 TIMKE	471554		470140N TIMKE	471413		47027 VIC	455144		470390 TIMKE	470390	
47003 BOSTN	473231!		470140RRR SPG	471413		47028 BOSTN	473238!		470394 SPG	473227!	
47003 VIC	471529		470141 SPG	470954!		47028 VIC	417350!		470394 TIMKE	473227	
470032 TIMKE	471570		470141 TIMKE	470954		470286 TIMKE	474274		470394SSR SPG	473227	
470032SSR SPG	471570		470141SSR SPG	470954		47028S TROS	472144!		470398 TIMKE	470398	
470034 TIMKE	474273		47014S TROS	203012		47029 BOSTN	473238!		47039S TROS	410737!	
470039 TIMKE	450039		47015 BOSTN	473236!		47029 VIC	415088		47040 BOSTN	472394	
470039SSR SPG	450039		47015 VIC	450621		47029 VIC	415088!		47040 VIC	203002	
47004 BOSTN	473010!		47015S TROS	203013		47029S TROS	210914		470400SSR SPG	470400	
47004 VIC	353132		47016 BOSTN	473237!		47030 BOSTN	473239!		470403 SPG	470774!	
470041 TIMKE	450593		47016 VIC	471138!		47030 VIC	455500		470403 TIMKE	470774	
470045 TIMKE	476838		470162 SPG	471765!		470304 NATL	473457!*		470409 NATL	50409	
470047 SPG	473426		470162 TIMKE	471765		470304SSR NATL	473457!		470409 TIMKE	470409	
470049 SPG	471750!		470163 TIMKE	471766		470308 SPG	410308!		47040S TROS	417487!	
470049 TIMKE	471750		470165 SPG	471801!		470308 SPG	473468		47040S TROS	417487	
47005 BOSTN	473010!		470165 TIMKE	470165		470308N NATL	410308!		47041 BOSTN	472394	
47005 VIC	471267!		470169 SPG	473214!		470308N TIMKE	410308		47041 VIC	240009	
470050 TIMKE	470050		470169 TIMKE	473214		470309 SPG	471391!		470410 SPG	471424!	
470052 SPG	471354!		47016S TROS	203016		47030S TROS	210945		47042 BOSTN	471424!	
470055 SPG	473215!		47017 BOSTN	473237!		47031 BOSTN	473239!		47043 BOSTN	471424!	
470055N TIMKE	473215		47017 VIC	412920!		47031 VIC	455612=		470433 SPG	471138!	
470059 NATL	470380!		47017S TROS	203025		470312 SPG	472016!		47043S TROS	415984!	
470059 TIMKE	470059		47018 BOSTN	472164!		470316 SPG	472636!		47044 BOSTN	472492!	
47005S TROS	481537		470189 TIMKE	471692		47031S TROS	411376!		47044 VIC	471526!	
47006 BOSTN	473232!		470189H TIMKE	471692		47032 BOSTN	473240!		470441 SPG	471341!	
470062 TIMKE	474264		470189RA SPG	471692!		47032 VIC	418029!		470444 SPG	471835!	
470064 TIMKE	471821		47018S TROS	204002		470328 TIMKE	470328		47044S TROS	475348N	
470066 TIMKE	473367		47019 BOSTN	472164!		47032S TROS	415449!		47045 BOSTN	472492!	
470069 SPG	473232!		470190 TIMKE	410190		47033 BOSTN	473240!		470451 SPG	480630!	
47006S TROS	340771		470195 TIMKE	470195		47033 VIC	370036A		470451 TIMKE	480630	
47007 BOSTN	473232!		470199 TIMKE	470199		47033 VIC	370349A		470452 SPG	473197	
47007 VIC	323138!		470199SSR SPG	470199		470330 SPG	470605!		47045S TROS	416404!	
470070 NATL	472185!		47019S TROS	204013		470331N TIMKE	473452		47046 BOSTN	472924!	
470074 TIMKE	474265		4701N TIMKE	4701N=		470334 NATL	470334!		470460 TIMKE	470460	
470077 TIMKE	474281		4701RAR SPG	4701N=		470334 NATL	50289		470460SSR SPG	470460	
47008 BOSTN	473233!		4702 C-R	12X19X5		470334 TIMKE	470334		47046S TROS	415498	
47008 VIC	472354!		47020 BOSTN	472185!		470336 TIMKE	474255		47047 BOSTN	472924!	
470085 SPG	470530!		47020 VIC	416271!		47033S TROS	417343!		47047S TROS	416500	
470086 TIMKE	470086		470204 TIMKE	471231		47034 BOSTN	472319		47048 BOSTN	472397!	
470087 WMG	473313!		470207 TIMKE	470207		47034 VIC	415295		47048 VIC	471224!	
470088 TIMKE	470088		47020S TROS	204017		470340 TIMKE	450340		470487 TIMKE	470487	
47009 BOSTN	473233!		47021 BOSTN	472185!		470342 TIMKE	450342		470487N NATL	470487=	
470094 NATL	473451		47021 TROS	205004		470347 TIMKE	474254		470487N TIMKE	470487	
470094 TIMKE	473462		47021 VIC	412861		47034S TROS	412473!		470487SSR SPG	470487!	
4701 C-R	12X20X5		470211 TIMKE	471643		47035 BOSTN	472319		47049 BOSTN	472397!	
4701 TIMKE	4701		470213R91 IH	472397!		470351 TIMKE	471504		47049 VIC	471649!	
47010 BOSTN	473234!		470215 TIMKE	471646		470351SSR SPG	471504		47049S TROS	240007=	
47010 VIC	5115		470219 TIMKE	471649		470354 TIMKE	470354		4704B JN-MN	470954!	
470109N TIMKE	473441		47022 BOSTN	472179		470358 TIMKE	473231		47050 BOSTN	473242	
47010S TROS	45637S		47022 VIC	455079!		470358N TIMKE	473231		47050 VIC	450593!	
47011 BOSTN	473234!		47023 BOSTN	472179		470358SSR SPG	473231		470503 TIMKE	470503	
47011 TROS	204008		47023 VIC	450412		47035S TROS	411376!		470506 NATL	470506	

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
470506	TIMKE	470506	470625V	TIMKE	470625	470791	SPG	471466!	470989SSR	SPG	470989
47051	BOSTN	473242	47062S	TROS	240319	47079S	TROS	240816	47099	BOSTN	415458!
47051S	TIMKE	470515	47063	BOSTN	473244!	47080	BOSTN	413246	4710	C-R	12X22X7!
47051S	TROS	240009	470632	SPG	1213N	47080	VIC	476470	4710	C-R	221207
47052	BOSTN	473204	470632	SPG	40X54X6!	47080	VIC	476470!	47100	BOSTN	417343!
47052	VIC	471763	47063S	TROS	240356	470806	TIMKE	470806	47101	BOSTN	417343!
47053	BOSTN	473204	47064	BOSTN	472018	470808	TIMKE	470808	47101S	TIMKE	471015
470530	NATL	470530!	47064	VIC	472924!	47080S	TROS	240949	47101S	TROS	331301N
470530	TIMKE	470530	47064S	TIMKE	470645	47081	BOSTN	413246	47102	BOSTN	416664!
47054	BOSTN	470898	47065	BOSTN	472018	47082	BOSTN	413247!	471024	TIMKE	471653
47054	VIC	471765!	47065	VIC	473467*	47082	VIC	416556!	47103	BOSTN	416664!
470541	TIMKE	471689	47065	VIC	473467!	47082	VIC	472157	47104	AMC	473440!
470543	NATL	40360S	470650	SPG	472705!	47082S	SPG	410825	47104	BOSTN	415984!
470543	TIMKE	474272	47065S	TROS	6703S	47083	BOSTN	413247!	47104	VIC	471192
470547	SPG	4122	47066	BOSTN	472020	47084	BOSTN	416271!	47105	BOSTN	415984!
470547	SPG	470547	47066S	TROS	240414	47084	VIC	450040	47105	TROS	471652
470547	TIMKE	470547	47067	BOSTN	472020	47084S	TROS	481443!	47106	BOSTN	417316!
470547CA	SPG	4122	47067	VIC	472409	47085	BOSTN	416271!	47107	BOSTN	417316!
470547CA	SPG	470547	470672	TIMKE	470672	47085S	TROS	471076	47107	VIC	472636!
470547SSR	NATL	4122	470674BX	SPG	224870	47086	BOSTN	471271!	471076	TIMKE	471076
470547SSR	NATL	470547	47068	BOSTN	473245!	47086	VIC	472287!	471076V	TIMKE	471076
470548	TIMKE	470625	470680	TIMKE	471570	470867	SPG	470898	47108	BOSTN	415960
47054S	TROS	240023	470682	TIMKE	470682	47087	BOSTN	471271!	471084	WMG	472213
47055	BOSTN	470898	470684	SPG	471827!	47087	SPICE	473367	47109	BOSTN	415960
470553	TIMKE	471224	470687	TIMKE	470687	47087	VIC	473367*	47109	VIC	415995*
470553	WMG	471224!	47068S	TROS	240435	47087	VIC	473367!	47109	VIC	415995!
470553VGR	SPG	470553V	47069	BOSTN	473245!	470877	SPG	471633!	4711	C-R	221207
470557	TIMKE	470557	47069	VIC	412920!	47087S	TROS	470530!	47110	BOSTN	415303!
470557SSR	SPG	470557	4707	C-R	12X22X7!	47088	BOSTN	470605!	47110	VIC	476470
47055S	TROS	240119	4707	C-R	221207	47088	VIC	473010!	47110	VIC	476470!
47056	BOSTN	472015!	47070	BOSTN	471272!	470888N	SPG	2043	471100	SPG	471652
47056	VIC	471766!	47070	VIC	412040	47089	BOSTN	470605!	471100	TIMKE	471652
47056S	NATL	470565=	47070S	TROS	240462	47089S	SPG	471554!	471103	NATL	471103
47056S	TIMKE	470565	47071	BOSTN	471272!	47089S	TIMKE	471554	471103	TIMKE	471103
470567	NATL	471267*	47071	VIC	415449!	470898	NATL	470898	471103S	WOOL	415991
470567	SPG	471267!	470712	TIMKE	470712	470898	TIMKE	470898	471103S	WOOL	455146!
470567	TIMKE	471267	470712A	TIMKE	470712	470898A	TIMKE	470898	471105	NATL	471105=
470567N	TIMKE	471267	470712V	NATL	470712=	4708B	JN-MN	472951	471105	TIMKE	471105
470567SSR	SPG	471267	470712V	TIMKE	470712	4708B	JN-MN	474252	471105SSR	SPG	471105!
47057	BOSTN	472015!	470719	SPG	471984	4709	C-R	12X22X7V!	471106	WHITE	416339
47057	VIC	472287!	47071S	TROS	240470	4709	C-R	221208	471106	WHITE	455031!
470574	NATL	413246	47072	BOSTN	471138!	47090	BOSTN	415449!	47111	BOSTN	415303!
470574N	TIMKE	413246	47072	VIC	410708	47091	BOSTN	415449!	47112	BOSTN	417344!
47057S	TROS	240151	47072S	TROS	6597S	47092	BOSTN	416273	47112	VIC	471526!
47058	BOSTN	472016!	47073	BOSTN	471138!	47092	VIC	416444	471122	SPG	471504
47058	VIC	473215!	47073	VIC	415458!	47093	BOSTN	416273	47113	BOSTN	417344!
470588	TIMKE	450588	470737	NATL	410737	47093	VIC	415449!	471137	TIMKE	471137
470588SSR	SPG	450588	470737	TIMKE	410737	47094	BOSTN	413248	471138	NATL	471138
47059	BOSTN	472016!	470737N	TIMKE	410737	470946	TIMKE	470946	471138	TIMKE	471138
47059	VIC	473228!	470737SSR	SPG	410737!	470946SSR	SPG	470946	47114	BOSTN	417158!
470590	TIMKE	470590	47073S	TROS	240698	47094S	TROS	415995!	47114	VIC	471763
470592	TIMKE	474253	47074	BOSTN	472636!	47094S	TROS	415995!	471141	NATL	471141
470593	TIMKE	450593	47074S	TROS	240716	47095	BOSTN	413248	471141	TIMKE	471141
470596	TIMKE	470596	47075	BOSTN	472636!	47095	VIC	417344!	47115	BOSTN	417158!
470596V	TIMKE	470596	47075	VIC	417316!	470950	NATL	483793	47115	VIC	472179
470596VDR	SPG	470596	47075S	TROS	240731	470950	TIMKE	470950	471150	SPG	473231!
47060	BOSTN	473243	47076	BOSTN	412920!	470954	NATL	470954!	47116	BOSTN	416921!
47060	VIC	473236!	47076	VIC	204017	470954	NATL	470954	47116	VIC	473460
470601	TIMKE	470601	47076	VIC	473117	470954	TIMKE	470954	471161	LETN	473460
470604	TIMKE	450604	470764	NATL	50764	470954A	TIMKE	470954	471169	TIMKE	471169
470605	NATL	470605	470764	TIMKE	470764	470954V	TIMKE	470954	471169N	TIMKE	471169N
470605	TIMKE	470605	47076S	TROS	240733	47096	BOSTN	415483	471169SSR	SPG	471169
470606	NATL	470606	47077	BOSTN	412920!	47096	VIC	415995*	47117	BOSTN	416921!
470606	TIMKE	470606	47077	VIC	417351!	47096	VIC	415995!	47117S	TROS	471466
47061	BOSTN	473243	470774	NATL	470774	47096S	TROS	417211!	47118	BOSTN	417349!
47061	VIC	472185!	470774	TIMKE	470774	47097	BOSTN	415483	47118	VIC	417316!
47062	BOSTN	473244!	470774V	TIMKE	470774	470974R91	IH	472397!	47119	BOSTN	417349!
47062S	NATL	470625!	470774VGR	SPG	470774	47097S	TROS	415437	47119	VIC	415995!
47062S	NATL	5115	47077S	TROS	240735	47098	BOSTN	415458!	471192	TIMKE	471192
47062S	TIMKE	470625	47078	BOSTN	470565!	47098	VIC	415379	471193	TIMKE	471193
470625A	TIMKE	470625	47078S	TROS	240736	470987	TIMKE	410987	471193N	TIMKE	471193
470625V	NATL	470625=	47079	BOSTN	470565!	470989	TIMKE	470989	471193SSR	SPG	471193

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
471195	NATL	471195	471308 SPG	470380!	471466 TIMKE	471466	471567 TIMKE
471195	TIMKE	471195	47130S TROS	330385	471466A TIMKE	471466	47156S TROS
4711B	JN-MN	415072*	47131 BOSTN	417171!	471466V NATL	471466 =	47157 BOSTN
47120	BOSTN	417350!	471312L C-R	55431 =	471466V TIMKE	471466	471570 NATL
47120S	TROS	471224!	471315 SPG	472705!	47146S TROS	340797	471570 TIMKE
47121	BOSTN	417350!	471316 TIMKE	471316	47147 BOSTN	417191	471570V TIMKE
47121	VIC	473214	47131S TROS	471267!	471472 NATL	471472	471571 TIMKE
47121S	TROS	340136	47132 BOSTN	417172	471472 TIMKE	471472	471571V TIMKE
47122	BOSTN	415995!	47132 VIC	415449!	471472V TIMKE	471472	471579 TIMKE
47122	VIC	470954!	471324 SPG	471255!	47147S TROS	340815	47157S TROS
471224	NATL	350909*	47132S TROS	340400	47148 BOSTN	417354!	47158 BOSTN
471224	NATL	471224*	47133 BOSTN	471712	471486 SPG	470380!	47158 VIC
471224	NATL	471224*	471337 TIMKE	471337	471486 SPG	472189A!	471581 SPG
471224	TIMKE	471224	47133S TROS	340413	47149 BOSTN	417354!	47159 BOSTN
471224A	TIMKE	471224	47134 BOSTN	476470	47149 VIC	472185!	47159S TROS
471224V	NATL	471224 =	471341 NATL	471341	471498 TIMKE	471498	47160 BOSTN
471224V	TIMKE	471224	471341 TIMKE	471341	47149S TROS	340817	47160 VIC
47122S	TROS	470954!	471341N TIMKE	471341	4714B JN-MN	471750!	47161 BOSTN
47123	BOSTN	415995!	471344 TIMKE	471344	4715 C-R	12X24X7	47161 VIC
471231	NATL	353131	471344 WMG	50476	47150 BOSTN	416624!	471612 TIMKE
471231	NATL	471231	47135 BOSTN	476470	47150 VIC	410708	471619 NATL
471231	TIMKE	471231	471354 NATL	471354	471502 DOLE	25598	471619 TIMKE
47123S	TROS	472560N	471354 TIMKE	471354	471504 NATL	471504	47161S TROS
47124	BOSTN	417351!	47136 BOSTN	417181!	471504 TIMKE	471504	47162 BOSTN
47125	BOSTN	417351!	47136 VIC	415379!	47150S TIMKE	47150S	47162 VIC
47125	VIC	210914	47136 VIC	415379	47150S TROS	340823	47162S TROS
471255	NATL	471255	47136S TROS	481537	47151 BOSTN	416624!	47163 BOSTN
471255	TIMKE	471255	47137 BOSTN	417181!	47151 VIC	415995	47163 VIC
471255A	TIMKE	471255	47137 VIC	412473!	47151 VIC	415995!	471633 NATL
471255V	TIMKE	471255	471379 TIMKE	471379	471516 NATL	471516	471633 TIMKE
47126	BOSTN	471621!	471379SSR SPG	471379	471516 TIMKE	471516	47164 BOSTN
47126	VIC	452222!	47138 BOSTN	418028!	47151S TROS	340853	47164 VIC
471264	NATL	450535	47138 VIC	415899N	47152 BOSTN	415991!	471642 TIMKE
471264	TIMKE	471264	47138 VIC	416624	47152 BOSTN	415991	471642SSR SPG
471264A	TIMKE	471264	47138S TROS	254270	471526 TIMKE	471526	471643 TIMKE
471267	NATL	471267*	47139 BOSTN	418028!	471526A TIMKE	471526	471645 TIMKE
471267	NATL	471267*	47139 VIC	415437	471529 TIMKE	471529	471645V TIMKE
471267	TIMKE	471267	471391 NATL	471391	47152S TROS	340872	471646 NATL
471267A	TIMKE	471267	471391 TIMKE	471391	47153 BOSTN	415991!	471646 TIMKE
471267V	NATL	471267 =	4713VXR SPG	415035	47153 BOSTN	415991	471647 TIMKE
471267V	NATL	471267 =	47140 BOSTN	417353!	471530 TIMKE	471530	471648 TIMKE
471267V	TIMKE	471267	47140S TIMKE	471405	471532 TIMKE	471532	471649 NATL
471268	TIMKE	472258	471405SSR SPG	471405	471535 NATL	450536	471649 TIMKE
471268	WHITE	6635S	471407 TIMKE	471407	471535 TIMKE	471535	471649A TIMKE
471268N	TIMKE	472258	47141 BOSTN	417353!	471538 NATL	471538	471649V NATL
471269	WHITE	JV1210 =	47141 VIC	417211!	471538 TIMKE	471538	471649V TIMKE
47126S	TROS	471643!	471413 NATL	471413	471538VGR SPG	471538V	47165 BOSTN
47127	BOSTN	417621!	471413 NATL	7412S	471539 NATL	471539	47165 VIC
471270	NATL	471270	471413 TIMKE	471413	471539 TIMKE	471539	471650 WMG
471270	TIMKE	471270	471413A TIMKE	471413	47154 BOSTN	417196!	471651 TIMKE
471271	NATL	471271	471413V TIMKE	471413	471540V TIMKE	470601	471652 NATL
471271	TIMKE	471271	471419 TIMKE	473367	471549 NATL	471549	471652 TIMKE
471271A	TIMKE	471271	47141S TROS	340724!	471549 NATL	472467	471652A TIMKE
471271V	TIMKE	471271	47142 BOSTN	416294!	471549 TIMKE	471549	471652V NATL
471272	NATL	471272	47142 VIC	471829	47154S TROS	340900	471652V NATL
471272	TIMKE	471272	471424 TIMKE	471424	47155 BOSTN	417196!	471652V TIMKE
471272N	TIMKE	471272	471424A TIMKE	471424	471551 NATL	471551	471653 NATL
471272V	SPG	471272	471424V NATL	471424 =	471551 TIMKE	471551	471653 TIMKE
471276	TIMKE	471276	471424V TIMKE	471424	471553 NATL	471553	471653SSR SPG
471276V	TIMKE	471276	47143 BOSTN	416294!	471553 TIMKE	471553	471656 SPG
471276VDR	SPG	471276	47143 VIC	6312	471554 NATL	471554 =	47166 BOSTN
47128	BOSTN	416288!	47144 BOSTN	412473!	471554 TIMKE	471554	471660 SPG
47128	VIC	210945	471442 NATL	471442	471554A TIMKE	471554	47166S TROS
471281	NATL	471281 =	471442 TIMKE	471442	471554V NATL	471554 =	47167 BOSTN
471288	NATL	473237!	471442A TIMKE	471442	471554V TIMKE	471554	47167 VIC
47128S	TROS	340356	471442V TIMKE	471442	471555 TIMKE	471549	47168 BOSTN
47129	BOSTN	416288!	471443 TIMKE	481443	471558 TIMKE	471558	471684 NATL
47129	VIC	470530!	47145 BOSTN	412473!	471559 SPG	471553!	471684 SPG
471291V	TIMKE	471291V	47145S TROS	340787	47156 BOSTN	415437	471684 TIMKE
471291VGR	SPG	471291V	47146 BOSTN	417191	47156 VIC	9613S	471686 TIMKE
47129S	TROS	350364	47146S TIMKE	471465	471564 TIMKE	471564	471688 TIMKE
47130	BOSTN	417171!	471466 NATL	471466	471567 NATL	471567	471689 NATL

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
471689	TIMKE	471689	471787	NATL	471787	471887	TIMKE	471887	47206	VIC	473215!
471689A	TIMKE	471689	471787	TIMKE	471787	47189	BOSTN	416130!	47207	BOSTN	417247!
471689V	TIMKE	471689	471787A	TIMKE	471787	47189	VIC	473423	472070	TIMKE	472070
47168S	TROS	481443!	47178S	TROS	473424!	47190	BOSTN	416556!	47208	BOSTN	415725!
47169	BOSTN	415379	47179	BOSTN	415697!	47190	BOSTN	472157	47208	VIC	476470
471692	NATL	471692	47179	VIC	481537	47190	VIC	472179	472082	TIMKE	472082
471692	TIMKE	471692	47179S	TIMKE	47179S	471904	TIMKE	471904	472082S	WMG	472082
471692A	TIMKE	471692	471795N	TIMKE	47179S	471904SSR	SPG	471904	47209	BOSTN	415725!
471698	TIMKE	471684	47179S	TROS	350909	47190S	TROS	327303!	47209	VIC	412473!
47169S	TROS	471646!	47179S	TROS	471224!	47191	BOSTN	416556!	4721	C-R	12X25X7
47170	BOSTN	417205!	4718	C-R	12X25X4.5	47191	BOSTN	472157	47210	C-R	120X140X13!*
47170	VIC	472179	4718	C-R	12X25X7*	47191	VIC	471984*	47210	C-R	710084
471702	SPG	471688	47180	BOSTN	471366!	47191S	TIMKE	47191S	47210	C-R	717004
471703	SPG	471689!	47180	VIC	471554!	47191S	TROS	365008	47210	VIC	200640
471705	NATL	471705	471801	NATL	450165	47192	BOSTN	415196!	47211	VIC	471504!
471705	TIMKE	471705	471801	TIMKE	471801	47192	TROS	455197N	47212	C-R	712003
471706	SPG	471692!	471808	NATL	471808=	47192	VIC	472185!	47212	VIC	472164!
471707	TIMKE	471707	471808	TIMKE	471808	471923N	TIMKE	473444	47213	C-R	712003
471707N	TIMKE	471707N	47180S	TROS	350942	47193	BOSTN	415196!	472138	TIMKE	472138
471707SSR	SPG	471707	47181	BOSTN	417366!	47193	VIC	203034	472138SSR	SPG	472138
471709	SPG	471413!	47181	VIC	470645	471936	SPG	473238!	472144	NATL	472144
471709	TIMKE	471413	471817	TIMKE	451817	47194	BOSTN	416891!	472144	TIMKE	472144
47170S	TROS	471689!	471817SSR	SPG	451817	47194	VIC	472319	47215	VIC	473235!
47171	BOSTN	417205!	471818	TIMKE	471818	471940	SPG	472144!	472150	TIMKE	472150
47171	VIC	413469!	47181S	TROS	350974!	47195	BOSTN	416891!	472156	ADAMS	415988
471718	SPG	471705!	47182	BOSTN	415035!	47195	VIC	471391!	472156	LETN	415988
47171S	TROS	481163!	47182	VIC	471270!	471950	TIMKE	471950	472157	NATL	416556
47172	BOSTN	416339	471820	TIMKE	471820	471950SSR	SPG	471950	472157	NATL	472157
471729	TIMKE	471729	471821	NATL	471821	471952	TIMKE	471952	472157	NATL	476556=
47172S	TROS	471538!	471821	TIMKE	471821	471952SSR	SPG	471952	472157	NATL	486556=
47173	BOSTN	416339	471827	NATL	471827	471958	TIMKE	471958	472157	TIMKE	472157
47173	VIC	6098=	471827	TIMKE	471827	47195S	TROS	203006!	472164	NATL	472164=
471730	TIMKE	471730	471829	TIMKE	471829	47196	BOSTN	416135!	472164	NATL	472164=
471733	TIMKE	471733	471829V	TIMKE	471829	47196	VIC	471424!	472164	TIMKE	472164
471735	TIMKE	471735	471829VDR	SPG	471829	47197	BOSTN	416135!	472164A	TIMKE	472164
471736	TIMKE	471736	47183	BOSTN	415035!	47197	VIC	471870!	472164V	NATL	472164
471737	TIMKE	471737	47183	SPICE	471689!	47197S	TROS	480950N=	472164V	TIMKE	472164
47173S	TROS	350364	47183	VIC	471689!	47198	BOSTN	416888!	47217	VIC	473367
47174	BOSTN	417211!	471831	TIMKE	471831	47198	VIC	450133	47217	VIC	473367!
471744	TIMKE	471744	471833	TIMKE	471833	471981	TIMKE	471981	472179	NATL	472179=
471747	NATL	471747	471835	NATL	471835	471984	TIMKE	471984	472179	TIMKE	472179
471747	TIMKE	471747	471835	SPICE	471835	47199	BOSTN	416888!	472179A	TIMKE	472179
47174S	TROS	474272	471835VGR	SPG	471835V	47199	VIC	473475	472185	NATL	290070=
47175	BOSTN	417211!	471839	SPG	473010!	47199S	TROS	451143	472185	NATL	472185
471750	TIMKE	471750	47184	BOSTN	417356!	4720	C-R	12X25X7	472185	TIMKE	472185
471750A	TIMKE	471750	47184	VIC	471652	47200	BOSTN	416153!	472189	SPG	470380!
471750V	TIMKE	471750	471841	TIMKE	471841	47200	VIC	413247!	472189	SPG	472189A!
47175S	TROS	471267!	471845N	TIMKE	451845	472005	SPG	473240!	472189A	NATL	9613S
47176	BOSTN	416345!	471847N	TIMKE	473258	472008	SPG	470530!	472189A	TIMKE	472189A
471760	TIMKE	471760	47185	BOSTN	417356!	472009	SPG	472397!	47219	VIC	415857!
471760A	TIMKE	471760	47185	VIC	474255	47200S	TROS	240027=	472193	NATL	472193
471760V	TIMKE	471760	471853	SPG	350936	47201	BOSTN	416153!	472193	TIMKE	472193
471762	NATL	471762	471854	NATL	350936	47201	VIC	471887	47220	TROS	9568
471762	TIMKE	471762	471854	TIMKE	471854	472012	TIMKE	472012	47220	VIC	473474
471763	TIMKE	471763	47185S	TROS	415082	472015	NATL	472015	47221	VIC	417484!
471763A	TIMKE	471763	47186	BOSTN	4717357	472015	TIMKE	472015	472213	TIMKE	472213
471763V	TIMKE	471763	471862	TIMKE	471862	472015V	TIMKE	472015	472221R91	IH	200887
471764	NATL	471764	471866	NATL	471281	472016	NATL	472016	472222	TIMKE	452222
471764	TIMKE	471764	471866	TIMKE	471866	472016	TIMKE	472016	472222R1	IH	JV1157
471765	NATL	471765	471868	TIMKE	471868	472018	TIMKE	472018	472234	TIMKE	472234
471765	TIMKE	471765	471869	NATL	3173	47202	BOSTN	416892!	472236H	SPG	472409
471766	NATL	471766	471869	NATL	710928	47202	VIC	415082	472238	TIMKE	472238
471766	TIMKE	471766	471869	TIMKE	473459	472020	TIMKE	472020	472238SSR	SPG	472238
471766A	TIMKE	471766	47186S	TROS	417350!	472029	TIMKE	472029	472239	TIMKE	472239
471766V	TIMKE	471766	47187	BOSTN	417357	47203	BOSTN	416892!	472239SSR	SPG	472239
47176S	TROS	473454	47187	VIC	471413!	47204	BOSTN	415138!	47224	VIC	416271!
47177	BOSTN	416345!	47187	VIC	7412S	47204	VIC	100495	47225	C-R	120X145X12!
471770	SPG	471760	471870	NATL	471870	47204	VIC	471749	472258	NATL	472258
471772	TIMKE	471762	471870	TIMKE	471870	472041	TIMKE	473454	472258	TIMKE	472258
47178	BOSTN	415697!	47188	BOSTN	416130!	47205	BOSTN	415138!	472258A	TIMKE	472258
47178S	NATL	47178S	47188	VIC	471818	47205	VIC	416404!	472258V	NATL	472258=
47178S	TIMKE	47178S	471883	TIMKE	471870	47206	BOSTN	417247!	472258V	TIMKE	472258

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
472287	NATL	472287=	472536	SSR SPG	472536	472843	ADAMS	472179	473211	TIMKE	473211
472287	TIMKE	472287	472538	TIMKE	472538	472843	TIMKE	472843	473212	TIMKE	473212
47229	VIC	455583N!	472538	SSR SPG	472538	47285	VIC	471413!	473212A	TIMKE	473212
472299	TIMKE	472299	472539	TIMKE	472539	472856	TIMKE	472119	473213	TIMKE	473213
472299V	TIMKE	472299	472539	SSR SPG	472539	472858	VGR SPG	5133	473214	NATL	473214
47230	C-R	120X145X12!	47254	C-R	120X150X12V	47287	C-R	120X160X12!	473214	TIMKE	473214
47230	C-R	231204	47255	VIC	473016!	47287	VIC	471538!	473214A	TIMKE	473214
47230	VIC	470530!	472554	TIMKE	474276	472878	TIMKE	472878	473215	NATL	473215
47231	VIC	415449!	47256	VIC	240319	47288	VIC	7013S	473215	NATL	9568
472311	NATL	472311	472560N	NATL	472560N	47289	C-R	120X160X12V	473215	TIMKE	473215
472311	TIMKE	472311	472560N	TIMKE	472560N	47289	VIC	451078!	47322	VIC	7886S
472311V	TIMKE	472311	47257	VIC	470625!	4728B	JN-MN	471570!*	473224	TIMKE	473224
472319	TIMKE	472319	472572	NATL	472572	47290	C-R	120X160X12	473225	NATL	473225=
47232	VIC	44052	472572	TIMKE	472572	47290	VIC	472311!	473225	TIMKE	473225
472324	TIMKE	472324	47258	VIC	473228!	47291	C-R	120X160X12	473226	TIMKE	473226
472324A	TIMKE	472324	47259	VIC	340927	47291	VIC	480821!	473227	NATL	473227
472324E	NATL	472324!	47260	C-R	120X150X12!*	472920	SPG	472920!	473227	TIMKE	473227
472324V	TIMKE	472324	47260	VIC	6283S	472924	NATL	472924=	473227V	TIMKE	473227
47233	VIC	473241	47261	VIC	40154S	472924	TIMKE	472924	473228	NATL	473228
472341	TIMKE	472341	47262	TROS	6465	47293	VIC	472492!	473228	TIMKE	473228
472350	NATL	472350=	47263	VIC	472924	47294	VIC	471413!	473229	NATL	473229=
472350	TIMKE	472350	472635	TIMKE	472635	472950	TIMKE	472950	473229	TIMKE	473229
472350	SSR SPG	472350!	472636	NATL	472636	472950	SSR SPG	472950	473230	NATL	471289=
472354	NATL	472354	472636	TIMKE	472636	472951	TIMKE	472951	473230	NATL	473230=
472354	TIMKE	472354	472642	TIMKE	472642	472953	TIMKE	472953	473230	TIMKE	473230
47236	VIC	6954S	472642V	TIMKE	472642V	472953	SSR SPG	472953	473231	NATL	1192
47237	VIC	6952S=	472642VDR	SPG	472642V	472953	VDR SPG	472953	473231	NATL	473231
472377	SPG	471766!	472644	TIMKE	472644	472954	TIMKE	472954	473231	TIMKE	473231
47238	VIC	417082	472644V	TIMKE	472644	472954V	TIMKE	472954	473231A	TIMKE	473231
47239	VIC	471692!	472644VDR	SPG	472644	472954VDR	SPG	472954	473232	NATL	473232
472394	TIMKE	472394	472649	TIMKE	472649	47297	VIC	480210!	473232	TIMKE	473232
472397	NATL	472397=	472649	SSR SPG	472649	47298	VIC	7399S!	473233	TIMKE	473233
472397	TIMKE	472397	47265	BOSTN	471829	47299	VIC	415302	473234	NATL	473234
47240	C-R	231206	47265	VIC	40316S	472HH101	DANA	415995	473234	TIMKE	473234
47240	TROS	6966S	472651V	TIMKE	472651V	4730	C-R	12X26X7	473235	NATL	473235
47240	VIC	480630!	472651VDR	SPG	472651V	473010	NATL	473010	473235	TIMKE	473235
472409	NATL	472409=	472653	NATL	472653=	473010	TIMKE	473010	473236	NATL	473236
472409	TIMKE	472409	472653	TIMKE	472653	473010A	TIMKE	473010	473236	TIMKE	473236
472419	TIMKE	472419	472653V	TIMKE	472653	473010N	TIMKE	473010	473237	NATL	473237
472419	SSR SPG	472419	472653VGR	SPG	472653	473016	TIMKE	473016	473237	TIMKE	473237
47243	VIC	470954!	472655	TIMKE	472655	47304	VIC	471267!	473237V	TIMKE	473237
472432	TIMKE	474256	472655	SSR SPG	472655	473049VDS	SPG	473049V=	473238	NATL	473238
472439	TIMKE	472439	472658	TIMKE	473197	47305	VIC	470954	473238	NATL	50082
472439A	TIMKE	472439	47266	VIC	50501	473096	NATL	350156	473238	TIMKE	473238
472439V	TIMKE	472439	472660	TIMKE	472660	473096	TIMKE	473096	473238VDR	SPG	473238=
472439VD	SPG	472439	472660	SSR SPG	472660	473099	NATL	253099!	473239	NATL	473239
47244	VIC	205004	47267	VIC	455556	47311	VIC	471526!	473239	TIMKE	473239
472446	TIMKE	472446	472674	TIMKE	471747	473117	TIMKE	473117	47324	VIC	473442!*
472446	SSR SPG	472446	472681	TIMKE	473259	473117	SSR SPG	473117	473240	NATL	473240=
47245	C-R	370220A	47269	VIC	45013S	47312	VIC	7013S	473240	TIMKE	473240
472452	TIMKE	472452	47270	VIC	415442!	473129	ADAMS	410190	473241	TIMKE	473241
472466	TIMKE	472466	47270	VIC	55442	473135	SLR SPG	474278!	473242	TIMKE	473242
472466	SSR SPG	472466!	472705	TIMKE	472705	473135V	TIMKE	474278	473243	NATL	473243=
472467	TIMKE	472467	47273	C-R	120X155X15	473157	TIMKE	473157	473243	NATL	473243=
472475	TIMKE	472475	472747	TIMKE	472747	47316	VIC	6590S	473243	TIMKE	473243
47248	VIC	471539!	47275	VIC	5499=	47317	VIC	204079=	473244	NATL	473244=
47249	VIC	240470	472758V	TIMKE	472758V	47317	VIC	471854!	473244	TIMKE	473244
472492	NATL	472492	47276	VIC	470774!	473179	NATL	473179	473245	NATL	473245=
472492	TIMKE	472492	47278	VIC	1049	473179	TIMKE	473179	473245	TIMKE	473245
472492A	TIMKE	472492	47279	VIC	204013	47318	VIC	455566	473246	SPG	473246
4724B	JN-MN	415995!	47280	VIC	451078!	47319	VIC	203008	473247	SPG	473247!
47250	C-R	120X150X12!	47280C1	VIC	451078!	47319	VIC	473317	473248	SPG	473248
47250	C-R	370220A	47281	VIC	471413!	473197	NATL	473197	473258	NATL	8168=
472501	GMC	5699	472810	NATL	252810	473197	TIMKE	473197	473258	TIMKE	473258
47251	VIC	471076	472810	NATL	472810	473197VGR	SPG	473197	473259	NATL	473259
47252	C-R	120X150X12!	472810	TIMKE	472810	473203	TIMKE	473203	473259	TIMKE	473259
47252	VIC	471747!	47282	VIC	8059S	473204	TIMKE	473204	47326	VIC	42260S
47253	C-R	120X150X12V	472826	NATL	450129	473205	NATL	473205	47327	VIC	7929S
47253	VIC	471192	472826	TIMKE	472826	473205	TIMKE	473205	473274	TIMKE	473274
472535	TIMKE	472535	47283	VIC	471413!	47321	VIC	471193	473274N	TIMKE	473274
472535	SSR SPG	472535	47284	VIC	7013S	473210	TIMKE	473210	47329	VIC	473473
472536	TIMKE	472536	472841	ADAMS	470712!	473211	NATL	473211=	473296	SPG	473219

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4733	C-R	12X26X7	473449	TIMKE	473449	47366S	TROS	471554!	47407	VIC	5666
47330	VIC	470506!	47345	VIC	353135	47367	VIC	8133S	474094R91	IH	471750
47331	VIC	416500	47345	VIC	474278!	473677	TIMKE	473677	474096SCR	SPG	225110
473313	NATL	473313	473450	NATL	473450	473677SAR	SPG	473677	474096SCR	SPG	51X65X7!
473313	TIMKE	473313	473450	TIMKE	473450	47367S	TROS	471224!	474097SCR	SPG	223605
473316	C-R	415437*	473450V	TIMKE	473450	47368S	TROS	471689!	474097SCR	SPG	36X50X7!
473316M1	C-R	415437	473451	NATL	473451	473694	TIMKE	473694	474099	WHITE	370191A
473316M1	C-R	415437!	473451	TIMKE	473451	47369S	TROS	472164!	474099	WHITE	415085!
473317	TIMKE	473317	473452	TIMKE	473452	47370	VIC	471750	474099	WHITE	456648
473328	C-R	417210!*	473453	TIMKE	473453	47371	VIC	450188	4740BH1	SPG	4740
473328M1	C-R	417210!*	473454	NATL	473454	47372S	TROS	417487!	4741	TIMKE	4741
47333	VIC	55337	473454	TIMKE	473454	47372S	TROS	417487	47410	VIC	416271!
473336	TIMKE	473336	473455	TIMKE	473455	47373	VIC	473446	474107	WHITE	5408
47335	VIC	473448	473457	NATL	473457 =	47374	VIC	471827!	4741118	CHRYSL	4528N
47336	VIC	204035	473457	TIMKE	473457	47375	C-R	415138 =	4741119	CHRYSL	2465
473367	NATL	473367 =	473458	NATL	473458!	47375	VIC	413469!	474119SSR	SPG	223840
473367	TIMKE	473367	473458	TIMKE	473458	47375S	TROS	240215	474119SSR	SPG	38X58X8!
473367V	TIMKE	473367V	473459	NATL	473459!	47376	VIC	203025	474125R	SPG	223555
47337	VIC	340900	473459	TIMKE	473459	47377	VIC	203029	474125R	SPG	35X64X8!
47338	VIC	471271	47346	VIC	331228H	47378S	TROS	332062	474125RRR	SPG	223555
473380	TIMKE	473380	473460	NATL	473460	47379	C-R	714750	474125RRR	SPG	35X64X8!
47338L	C-R	415577	473460	TIMKE	473460	473796	TIMKE	473796	474127	TIMKE	474127
47339	VIC	473449	473461	NATL	473461	47380	C-R	415138!	474127SSR	SPG	474127
47340	VIC	442380	473461	TIMKE	473461	47380	VIC	471707!	4741296	CHRYSL	4529N
473405	TIMKE	473405	473462	NATL	473462!	47380	VIC	471707N	47413	VIC	9569S
473406	NATL	450033	473462	NATL	473462!	47381	C-R	415138!	474131	TIMKE	474131
473406	TIMKE	473406	473462	TIMKE	473462	47381	VIC	9613S	474131SSR	SPG	474131
473407	TIMKE	473407	473463	TIMKE	473463	473812	TIMKE	473812	474133	TIMKE	474133
47341	VIC	8976S	473464	NATL	473464	473814	TIMKE	473814	474134	TIMKE	474134
473412	TIMKE	473412	473464	TIMKE	473464	47381S	TROS	470954	474135RRR	SPG	224255
473413	TIMKE	473413	473466	TIMKE	473466	47382	C-R	415138!	474135RRR	SPG	42X65X10!
473414	TIMKE	473414	473467	NATL	473467 =	47382	VIC	332062	474137SSR	SPG	224320
473415	TIMKE	473415	473467	TIMKE	473467	473823	TIMKE	473823	47415	VIC	8835S
473416	TIMKE	473416	473468	TIMKE	473468	47383	C-R	415138!	47415SF	VIC	8835S
473419	NATL	473419	47347	VIC	9376	47383	TROS	472311!	47416	VIC	2361
473419	TIMKE	473419	473471	TIMKE	473471	47383	VIC	473228	47416	VIC	472466!*
47342	VIC	417480!	473473	TIMKE	473473	47384	C-R	415138	474161	TIMKE	474161
473420	TIMKE	473420	473474	TIMKE	473474	47384	C-R	415138 =	474161SSR	SPG	474161
473421	TIMKE	473421	473475	TIMKE	473475	47384	VIC	8597S	47417	VIC	8429S
473422	TIMKE	473422	473476	TIMKE	473476	47385	VIC	6960	474176	BENDI	472560N
473423	TIMKE	473423	47348	HYST	416888!	47385S	TROS	415983N!	47418	VIC	8940S
473424	GMC	5092	47348	VIC	474260	47386S	TROS	441130	47419	VIC	6815
473424	NATL	353137	47349	VIC	6832S	47387	VIC	472492!	4741908	CHRYSL	713103
473424	TIMKE	473424	473490	TIMKE	473490	47388	C-R	39952	4741920	CHRYSL	4741
473425	TIMKE	473425	473490SSR	SPG	473490	47388	VIC	8460N	47420	VIC	8975S
473426	TIMKE	473426	47350	C-R	55367 =	47388S	TROS	472179	47421	VIC	8976S
473427	TIMKE	473427	47350	VIC	203016	47389	VIC	8477S	474216	TIMKE	474216
473428	TIMKE	473428	47351	VIC	203013	4739	TIMKE	4739	47423	VIC	9150S
473428VDR	NATL	473428V =	473517	NATL	473517	47390	VIC	473445	474230	TIMKE	474230
473435	TIMKE	473435	473517	TIMKE	473517	47392	VIC	8620N	474230SS	SPG	474230
473436	TIMKE	473436	47352	VIC	204008	47394	C-R	415138!	474241V	TIMKE	474241V
473437	TIMKE	473437	47353	VIC	450400	47394	VIC	470954!	47425	VIC	204017!
473438	TIMKE	473438	47354	VIC	416071	47395	C-R	415138!	47425	VIC	205017
473439	NATL	473439 =	473546	TIMKE	473546	47395	VIC	8594S	474250	TIMKE	474250
473439	TIMKE	473439	47355	VIC	450593!	47396	C-R	415138!	474252	NATL	472951
47344	VIC	473228!	473551	TIMKE	473551	47396	VIC	473179	474252	TIMKE	474252
473440	NATL	473228	473551SSR	SPG	473551	47397	C-R	415138!	474253	NATL	474253
473440	NATL	473440	47356	VIC	330699!	47398	C-R	415138!	474253	NATL	474253 =
473440	TIMKE	473440	47356	VIC	340771	47398	VIC	472082	474253	TIMKE	474253
473441	TIMKE	473441	473560N	TIMKE	473560N	47399	C-R	415138!	474254	NATL	474254
473442	NATL	5778	473573	TIMKE	473573	47399	VIC	8792S	474254	TIMKE	474254
473442	TIMKE	473442	473573SSR	SPG	473573	473HMS320-Q6	C-R	255833 =	474255	NATL	474255
473443	TIMKE	474274	47360	TROS	1062 =	4740	C-R	12X27X7	474255	TIMKE	474255
473444	NATL	473444	47361	VIC	7692S	4740	TIMKE	4740	474256	NATL	474256
473444	TIMKE	473444	47362	VIC	7300S	47400	VIC	6808N	474256	TIMKE	474256
473444V	TIMKE	473444	47362S	TROS	203006!	474018R91	IH	204038	47426	C-R	415138!
473444VD	SPG	473444	47363	VIC	7715S	47403	VIC	471267	474260	NATL	474260
473445	TIMKE	473445	47364	VIC	484054	47404	VIC	471169	474260	TIMKE	474260
473446	TIMKE	473446	47364S	TROS	204035	47405	VIC	411330!	474261	TIMKE	474261
473447	TIMKE	473447	47365	VIC	473228	474051	WHITE	46997S	474264	NATL	474264
473448	TIMKE	473448	47365S	TROS	415725!	47405HA	IH	415449!	474264	TIMKE	474264
473449	NATL	473449	47366	VIC	8121S	47406	VIC	470687	474265	NATL	474265

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474265	TIMKE	474265	47462	VIC	473179	474B316	C-R	415437	475316	CABOT	415437!
474269	TIMKE	474269	4746258	CHRY	4333N	474C316	C-R	415437	475316	CABOT	415437
47427	VIC	200371	47463	VIC	9913	474E324	C-R	415379	475316M1	C-R	415437
474272	NATL	474272	47464	VIC	470380!	474FM324	C-R	415379*	475316M1	C-R	415437!
474272	TIMKE	474272	47466	VIC	9912	474M328-L	C-R	417210!	475318	C-R	417497
474273	NATL	474273	47467	VIC	473235	474W314-Y13	C-R	455858	475318M1	C-R	417497
474273	TIMKE	474273	4746772	AMC	5778	474X6-L	C-R	200642	475319RAR	SPG	417495
474274	NATL	474274	4746772	AMC	5778V	4750	C-R	12X28X7	47532	VIC	3732S
474274	TIMKE	474274	4746772	CHRY	5778	47500	C-R	417247!	475320	C-R	415937!*
474276	NATL	474276!	4746772	CHRY	5778V	47500	VIC	2674!	475320M1	C-R	415937!
474276	TIMKE	474276	474679	GMC	3667	47500	VIC	370054A	475322	C-R	417501
474277	NATL	474277	47469	VIC	9762S	475001	TIMKE	415001	475322M1	C-R	417501
474277	TIMKE	474277	4746B	JN-MN	417551	475003	NATL	415458!	475322N	TIMKE	417484
474278	NATL	322353	47470	VIC	5109	475003N	TIMKE	415458	475324	C-R	415379!
474278	NATL	323126	47471	C-R	417247!	475004	SPG	417316!	475324	C-R	415379
474278	NATL	353135	47471	VIC	5123	475004H	TIMKE	417316	475324	GMC	415379!
474278	NATL	474278	47472	VIC	292594	475009N	TIMKE	415960	475324	GMC	415379
474278	NATL	50356=	47473	VIC	5109	475009RRR	SPG	415960	475324M1	C-R	415379!
474278	NATL	6859S	47474	C-R	417247!	47501	VIC	9339S	475324M1	C-R	415379
474278	TIMKE	474278	47475	C-R	417247!	475012A	TIMKE	475012A	475326	C-R	455178=
474279N	TIMKE	474279N	474757	ADAMS	415984!	475012N	TIMKE	416654	475328	C-R	417210!
47428	VIC	200763	474757	LETN	415984!	475012VAR	SPG	475012A	475328M1	C-R	417210!
474281	NATL	474281	47476	C-R	417247!	475016	WHITE	416476!	47534	VIC	3667
474281	TIMKE	474281	47476	VIC	4250	47502	VIC	416273!	47534	VIC	473546!
474288	SPG	36X58X8!	47477	C-R	417247!	47503	VIC	9316	475368N	TIMKE	415483
474288	TIMKE	474288	47477	VIC	8871	475035	SPG	415035	47537	ALLCH	473205
47430	VIC	42101S	474770	ADAMS	456105	47504	VIC	486857	47537	VIC	416404
47431	VIC	412119!	474770	LETN	456105	47505	VIC	9943	475379	SPG	415379
474316	C-R	415437	474772	ADAMS	473460	47506	VIC	200763	47538	C-R	416865!
474316	C-R	415437!	474772	LETN	473460	47507	SPICE	9864S	47538	VIC	8429S
474316M1	C-R	415437	474773	BENDI	240319	47507	VIC	200870	475380N	TIMKE	410825
474316M1	C-R	415437!	474774	ADAMS	471647	475072	SPG	415072	475384	TIMKE	475384
47432	VIC	472016	474774	LETN	471647	475079	SPG	455079!	47539	VIC	40389S
474320M1	C-R	415937!*	47477BV	VIC	8871	47508	VIC	205009=	47539	VIC	472492!
474324	C-R	415379!	47478	VIC	2689S	475080N	TIMKE	455080	4753B	JN-MN	415047
474324	C-R	415379	474784	ADAMS	471689!	47509	VIC	200855	47540	VIC	415389
474324M1	C-R	415379!	474784	LETN	471689!	475095N	TIMKE	416271	475423C91	IH	711552
474324M1	C-R	415379	474784	WABCO	471689!	4751	C-R	12X28X7	47543	VIC	417621
474328	C-R	417210!*	47479	C-R	417247!	47510	C-R	415213N	47543	VIC	5509
474328M1	C-R	417210!*	47479	HYST	417357	47511	VIC	200895=	475437	SPG	415437
47433	VIC	472492!	47479	VIC	712146	47512	VIC	416956	47544	VIC	482163!
47435	VIC	9161	474795	BENDI	240356	47513	VIC	471750!	475449	SPG	415449!
47436	ALLCH	476470	474798	ADAMS	416158	475137RAR	SPG	415137	47545	VIC	43290S
47436	VIC	9049	474798	LETN	416158	475138	SPG	415138!	475458	TIMKE	415458
47436	VIC	9049N	47481	C-R	39825	47515-1	VIC	5397\$	475458	WMG	415458!
47438	VIC	474274*	47481	C-R	487250V!	475156	SPG	417621!	47546	VIC	3794
47438	VIC	8994N=	474824	ADAMS	415483!	47516	VIC	2443	47547	VIC	710068
47439	VIC	9342S	474824	LETN	415483!	47517	VIC	473467!	475483	SPG	415483
47440	C-R	417538	474824	WABCO	415483	47518	VIC	473560N	47549	C-R	417252
47440	VIC	7245	47483	VIC	470625!	47518	VIC	710386	47549	VIC	416273
47441	C-R	417538	47483	VIC	5115	47519	VIC	5131	4755	C-R	12X28X7V
474411	BENDI	470954!	47484	C-R	415213N	475196	SPG	415196!	47550	C-R	417252
47442	VIC	6808N	47484	VIC	472747	4752	C-R	12X28X7	47550	VIC	8610
47444	VIC	480844	47485	VIC	8521S	4752	C-R	12X30X7	475500	TIMKE	455500
47445	VIC	441319	47486	VIC	3394	47521	VIC	477069!	47551	C-R	417252
47447	VIC	331173	47488	VIC	2642	47521	VIC	712598	47551	VIC	3348
47448	VIC	8750S	47489	VIC	417158!	47522	VIC	2043	47552	VIC	2440
47449	VIC	3604	47490	VIC	482267	47523	VIC	5121	47553	VIC	3357
47450	VIC	8660S	47491	VIC	415458*	475234N	TIMKE	415234	47555	VIC	2876
47451	C-R	417538	47491	VIC	415458!	47524	VIC	2955	47556	VIC	442874
47451	VIC	8935S	47492	VIC	9316	47525	VIC	3087	47557	VIC	9487
47452	VIC	472394	47494	HYST	415294!	47526	VIC	2222	47558	VIC	413248
47453	VIC	9599S	47494	SPICE	370033A	47527	VIC	3214	47559	VIC	473313!
47454	VIC	200855	47494	VIC	370033A	47528	VIC	4148	4755B	JN-MN	417546!
47455	C-R	200642	47495	VIC	370023A	475281	SPG	417349!	47562	VIC	2443
47455	VIC	200110	47496	VIC	6808N	47529	VIC	3195	475621	WHITE	456618
47456	VIC	6575S	47497	VIC	40316S	47530	VIC	2286	475645	SPG	415645!
47457	VIC	9569S	47498	VIC	410059	475303	SPG	415303!	47566	VIC	2658
47458	VIC	9161	47498	VIC	470380!	475304	SPG	476470	47567	VIC	417158!
47460	VIC	712146	47499	HYST	416706!	475310	C-R	416313	47569	VIC	710007
47460	VIC	9911S	47499	VIC	471652	475316	C-R	415437!	475697	SPG	415697!
47461	VIC	8660S	47499	VIC	482208!	475316	C-R	415437	4757	C-R	12X28X7V

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial
47570	HYST	55276=	47603	VIC	3227	47647	SPICE	415082	47684	VIC	710051
47570	VIC	2655	47604	VIC	1948	47647	VIC	415082	476842	TIMKE	476842
475713	WHITE	6532S=	47604	VIC	50X68X8!	476470	NATL	476470=	47685	VIC	473442!
47572	VIC	3945	476041	SPG	416041	476470	TIMKE	476470	47686	VIC	471870!
475720	WHITE	6532S=	476047	SPG	416332!	47648	VIC	451143	476865	SPG	416865!
475725	SPG	415725!	47606	VIC	224820	47649	VIC	416426H*=	47687	VIC	472635
475733	SPG	417316!	47606	VIC	48X62X8!	4764B	JN-MN	473245!	47688	VIC	450307
47574	VIC	1196	47606TA	TRSCM	415213N	4765	C-R	12X30X7V	476888	SPG	416888!
47575	VIC	473258	47606TA	TRSCM	417247!	4765	TIMKE	4765	476891	SPG	416891!
47575TA	TRSCM	415138!	47607	VIC	473812	476500N	TIMKE	416500	476892	SPG	416892!
47576	VIC	1955	47608	VIC	370003A	476508XX	TIMKE	47X65X8	47690	C-R	370005A
47576	VIC	52X65X9!	47609	VIC	473179!	476512	TIMKE	476512	47690	C-R	370181A
47577	VIC	223240	4760B	JN-MN	417343!	476512SSR	SPG	476512	47690	C-R	380003A
47577	VIC	32X48X8!	47610	VIC	471271!	476514	TIMKE	476514	47690	VIC	474133
47578	VIC	473445	476107	SPG	416107!	476516E	SPG	85X130X13	47691	VIC	40169S
47579	VIC	1097N	47611	VIC	471271!	476517	TIMKE	476517	47692	C-R	370001A
47580	VIC	222510*	4761107	CHRY	3459	476518	TIMKE	476518	47692	C-R	380001A
47580	VIC	25X35X7!*	47612	VIC	473243	476535	TIMKE	476535	47692	VIC	50266
47581	VIC	416292	476125	SPG	416125!	47655	VIC	1994	476921	SPG	416921!
47582	VIC	472572!	47613	VIC	470380!	47655	VIC	48X70X9!	47693	VIC	487945
47583	C-R	415066	476130	SPG	416130!	476556	SPG	416556!	47694	C-R	370003A
47583	VIC	472572	476135	SPG	416135!	476556	SPG	472157	47694	C-R	380003A
475831	WHITE	5405	47614	VIC	411253!	47656	VIC	1992	47694	VIC	200851
475831A	WHITE	5405	476153	SPG	416153!	47656	VIC	45X65X8!	47695	C-R	370003A
475831B	WHITE	5405	47616	VIC	471413!	47657	VIC	473823	47695	C-R	380003A
475836	SPG	415995!	47618	VIC	473010!	476573	GMC	331210V	47695	VIC	417488!
475836	SPG	415995!	4761B	JN-MN	50266	476574N	TIMKE	476574N	4769540	CONE	415185N=
47584	VIC	7186S	47620	VIC	68X90X10	47658	VIC	1994	4769542	CONE	415219=
475845	TIMKE	475845	4762017	CHRY	39803	47658	VIC	48X70X9!	47696	C-R	370003A
47585	VIC	455080*	476208XX	TIMKE	47X62X8	47659	VIC	1992	47696	C-R	380003A
47585TA	TRSCM	417538	47621	VIC	226018	4765B	JN-MN	473445*	47696	VIC	472193!
47587	VIC	204027	47622	VIC	475996H=	47660	C-R	6663S	47697	C-R	370003A
47589	C-R	415066	47623	VIC	710045	47662	VIC	442251	47697	C-R	380003A
47589	VIC	712625	47624	VIC	8622	476624	SPG	416624!	47697	VIC	252277
475894	SPG	412473!	47625	VIC	251511	47663	VIC	473239	47698	C-R	370003A
4758B	JN-MN	470954!*	47626	VIC	5699	47664	VIC	473274!	47698	C-R	380003A
47590	C-R	415066	476271	SPG	416271!	47664	WITTE	470625!	47698	VIC	710044
47590	VIC	2503	476273	SPG	416273	47665	VIC	418028*	47699	C-R	370006A
47590	VIC	2503N	47628	VIC	3543	47665	VIC	418028!	47699	VIC	223012
47593	VIC	204500!	476281	TIMKE	476281	476653	SPG	472653!	47699	VIC	TCS45724
475937	SPG	415937!	476282	TRANG	416282	47666	VIC	100495	476W314	C-R	455858
47594	C-R	415066	476283N	TIMKE	416282	47666	VIC	476023N	47700	VIC	221710
47594	VIC	472164!	476288	SPG	416288!	476664	SPG	416664!	47701	VIC	2011
47595	VIC	452742	4762899	CHRY	472572	476666	SPG	416666	477010XX	TIMKE	47X70X10
475953	SPG	415035	476294	SPG	416294!	47667	VIC	100494	47702	VIC	3591
47596	VIC	370132A	4762N	TIMKE	4762N	47667	VIC	476470!	47703	VIC	370003A
475960	NATL	415960	4763	C-R	12X30X7	47668	VIC	3136N	47703D	IH	471765!
47597	VIC	456744N	47630	VIC	722109	47669	DANA	473457	47704	VIC	471539
47598	VIC	412119!	47631	VIC	722108	47669	VIC	473457!	47705	VIC	7568
475984	SPG	415984!	47632	VIC	2300	4767	C-R	12X30X7V	477055	TIMKE	477055
47599	VIC	415995!	47633	VIC	6808N	47670	C-R	455375=	47706	VIC	417159
47599	VIC	415995	476339	SPG	416339	47670	VIC	1953	477069	TIMKE	477069
475995V	NATL	415995!	47634	VIC	370004A	47670	VIC	42X60X7!	477069SGR	SPG	477069
475F324	C-R	415379*	476345	SPG	416345!	47671	VIC	3395!	47707	VIC	3677
475FF316	C-R	415437	47636	VIC	476574N	47672	VIC	3392	47707	VIC	41257!
475FM324	C-R	415379*	476365	SPG	417492	47673	VIC	3214	47708	VIC	17X30X7!
475HD316	C-R	415437	47637	VIC	415483!	47674	VIC	225505	47708	VIC	221720
475HM316	C-R	415437	476375	WHITE	733105	47674	VIC	55X70X8!	47709	VIC	494122
475W316	C-R	415437!	47638	VIC	470898	47676	VIC	28X38X7	4771	SPG	224270
475W316	C-R	415437	47639	VIC	471341!	47677	VIC	17X30X7!	4771	SPG	42X72X10!
475W316-M1	C-R	415437!	4763B	JN-MN	473234	47677	VIC	221720	47710	VIC	222540
475W316-M1	C-R	415437	4763S	TIMKE	4763S	47678	VIC	2642	47711	VIC	710222
475W320	C-R	415937!*	4764	TIMKE	4764	47679	VIC	472070	47712	VIC	223608
475W324	C-R	415379!	47640	VIC	470682	476793	GMC	3732S	47712	VIC	36X52X7!
475W324	C-R	415379	47641	VIC	3385	47680	VIC	3604	47713	VIC	17X32X7!
475W625	CONE	5527	476414	SPG	415991	47681	VIC	712937	47713	VIC	221730
4760	C-R	12X30X7	476414	SPG	415991!	476810XX	TIMKE	47X68X10	47714	VIC	224255
47600	VIC	415483	47642	VIC	3199	47682	VIC	413246	47714	VIC	42X65X10!
476011	SPG	417621!	476424N	TIMKE	476424N	476820	TIMKE	476820	47715	VIC	19X32X8
47602	VIC	415988	47643	VIC	3583	47683	VIC	1990	477158	SPG	417158!
476023N	TIMKE	100495	47645	VIC	9845	476838	NATL	476838	47716	VIC	222820
476023N	TIMKE	476023N	47646	VIC	413470!	476838	TIMKE	476838	477163N	TIMKE	477163N

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
47717	VIC	20X35X7!	47749	VIC	224570	4780B	JN-MN	417481	47905	VIC	BS40502
477171	SPG	417171!	47749	VIC	45X72X12!	47810	VIC	416102	479061	WHITE	417506
477172	SPG	417172	4774B	JN-MN	417181!	47811	VIC	7131	47909	VIC	341022
47718	VIC	222820	47751	VIC	3774	47812	VIC	335924N	4790B	JN-MN	416865!*
477181	SPG	417181!	47751	VIC	455614!	47813	VIC	7896S	47911	VIC	471442
47719	VIC	471652	47751	VIC	TCS45473	47816	VIC	335924N	47912	VIC	473476
47719	VIC	482208!	47752	VIC	417555!	4781B	JN-MN	415867*	47913	VIC	455956H
477191	SPG	417191	47753	VIC	3772	478235R91	IH	415449!	47914	VIC	222820
477196	SPG	417196!	47754	VIC	710167	47831	HYST	415350	47914	VIC	28X40X7!
47720	VIC	710201	47755	VIC	2443	4783B	JN-MN	417481	47916	VIC	3747
477205	SPG	417205!	47756	VIC	415551	4784B	JN-MN	415041*	47917	VIC	224045
477211	SPG	417211!	47757	VIC	417247!	4784LPD	JN-MN	415041	47917	VIC	40X62X12!
47722	VIC	413818	47759	VIC	3907	47852	VIC	9128S	47918	VIC	3771
47723	VIC	474133	4775B	JN-MN	55501=	478522R91	IH	471692!	47919	VIC	222330
47724	VIC	471231!	47760	VIC	3907	47853	VIC	415983	47919	VIC	710155
477241R91	IH	415449!	47761	VIC	2506	47853	VIC	415983N!	47919	VIC	TCS45847
477247	SPG	417247!	4776142	CONE	417571=	47854	VIC	9773	4791B	JN-MN	415196!
477254	SPG	417254	47762	VIC	5604	47854SF	VIC	9773	47920	VIC	481826
47726	VIC	472572	47763	VIC	224255	47855	VIC	9344S	47920	VIC	4989
477262	SPG	417262!	47764	VIC	223010	47856	VIC	417499	47921	VIC	222020
477278	SPG	417278	47765	VIC	710272	47857	VIC	416043	4792318	CHRY	714655
47728	VIC	35X50X8!	47766	VIC	455625=	47859	VIC	200948	47925	VIC	472015
47728	VIC	3771	47767	VIC	710154	4785B	JN-MN	416654!	47926	VIC	1198
47728	VIC	713771	47768	VIC	19X35X10!	47860	TROS	472311!	47927	VIC	224025
47729	VIC	227410	47768	VIC	45031S	47860	VIC	7208S	47928	VIC	710060
47730	VIC	224460	47769	VIC	415991!	47863	VIC	417123*=	47929	VIC	3655
47730	VIC	44X60X10!	4776B	JN-MN	417605	47864	VIC	2261	47930	VIC	4040N
477307	SPG	416624!	4777086	CHRY	320249	47864	VIC	231104	47931	VIC	713655
477316	SPG	417316!	47771	VIC	710053	47865	VIC	476124=	47932	VIC	417539!
4773327	CHRY	4525V	47772	VIC	417554!	478650C1	IH	100494	47934	VIC	470380!
47734	VIC	224465	47773	VIC	342517	478650C1	IH	476470!	47934	VIC	472189A
47734	VIC	44X65X10!	4777311	CHRY	100052T	47866	VIC	416557	47935	VIC	712005
477343	SPG	417343!	4777311	CHRY	5279	47866001	VIC	JX1137=	47937	VIC	471424!
477344	SPG	417344!	4777311	CHRY	710056	47867	VIC	416556!	4793SS	JN-MN	471538!
477349	SPG	417349!	47774	VIC	8660S	47867	VIC	472157	47940	VIC	4160
47735	VIC	224835	47775	VIC	3622	47868	VIC	39723	47941	VIC	3909
477350	SPG	417350!	47776	VIC	710067	4786OS	JN-MN	415294!	47942	VIC	3942
477351	SPG	417351!	47777	VIC	5487	47870	VIC	455251H	47944	VIC	200886
477352	SPG	418028	47778	VIC	6872S	47874	VIC	370132A	47945	VIC	3051N
477353	SPG	417353!	47779	VIC	370005A	47875	VIC	722250	47946	VIC	200881
477354	SPG	417354!	47780	VIC	2146	47876	VIC	370057A	47947	VIC	200392
477355	SPG	417355!	47781	VIC	417254	47877	VIC	370046A	47948	VIC	17760
477356	SPG	417356!	47781	VIC	5473	47879	VIC	417506	47948	VIC	6936S
477357	SPG	417357	47782	VIC	223014	47879SF	VIC	417506	47949	VIC	417433!
477358	SPG	417358	47782	VIC	30X45X5!	47880	VIC	370047A	47949	VIC	417433*
477359	SPG	417359	4778228	AMC	5414	47880	VIC	9584!	4794B	JN-MN	476470
477360	SPG	417360	4778228	CHRY	5414	47880SF	VIC	370047A	47950	VIC	223420
477361	SPG	417361	47783	VIC	710043	47881	VIC	3592	47952	VIC	710164
477362	SPG	417362!	47784	VIC	710274	47885	DANA	9316	47953	VIC	222860
477363	SPG	417363	47786	VIC	6897=	47885	VIC	9316	47953	VIC	28X47X7!
477364	SPG	417364	47788	VIC	416888!	47887	VIC	370012A	47954	DANA	41461S
477365	SPG	417365	47789	VIC	5460	47889	VIC	370019A	47954	VIC	41461S
477366	SPG	417366!	47790	VIC	455583N!	47890	VIC	370195A	47955	VIC	710046
47738	VIC	223018	47792	VIC	415137*	47891	VIC	386025A	47956	VIC	3553
47739	VIC	225010	47792	VIC	418028!	47891	VIC	416158	47958	VIC	8610
47739	VIC	50X65X8!	477936H	NATL	227045	47892	VIC	710056	47959	VIC	223255
47740	VIC	474134	477936HAR	NATL	227045	47894	VIC	483488	4795B	JN-MN	415001!
477405641	PORSC	1012	47795	VIC	417506	47895	VIC	417210!	4795V	TIMKE	4795V
477405641	PORSC	1012N	47795	VIC	6864S!	47896	VIC	473459!	47960	VIC	5698
477405641	VW	1012	47796	VIC	7376=	47897	VIC	710005	47961	TROS	40094S
477405641	VW	1012N	47797	VIC	415036	478978	C-R	2146	47961	VIC	3667
47742	VIC	225010	47798	VIC	418028	47898	VIC	3173	47962	TROS	40097S
47742	VIC	50X65X8!	47799	VIC	370012A	47898	VIC	710928	47962	VIC	222835
47743	VIC	223235	47800	VIC	370015A	47899	VIC	5697	4796492	CHRY	417158!
47744	VIC	714075	47801	VIC	2055	4789SS	JN-MN	481073	47965	VIC	240385
47745	VIC	3459	47802	VIC	370019A	4790	C-R	12X35X7!	47966	VIC	221925
47745	VIC	40X58X10!	47803	VIC	370005A	47900	VIC	473677	47967	VIC	710243
47746	VIC	36X58X8!*	47805	VIC	370021A	47903	VIC	4127	47968	VIC	39723
47746	VIC	474288	47805X	SPG	8370S	47904	VIC	3896	47969	VIC	39732
47747	VIC	222240	47807	VIC	8996S=	47905	DANA	415035	4796B	JN-MN	415036
47747	VIC	22X40X7!	47808	VIC	7866S	47905	DANA	415035!	47971	VIC	8316
47748	VIC	800450	47809	VIC	8549S	47905	VIC	415035	47972	VIC	4099

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47973 VIC		352637	48014 VIC		48X65X10!	480331N SPG		473452	48077354 GE		471255!
4797334 CHRYS		3459	480141 SPG		470954!	48034 VIC		200861	48078 VIC		370001A
47974 VIC		6815	480148 C-R		7692S+99149	48035 VIC		451817	48080 WAUKE		47171!
47975 VIC		8314	480149 C-R		340136+99149	480350 C-R		415991N+99350	480821 NATL		474131
47976 VIC		455005	48015 VIC		480581	480352 SPG		472164!	480821 NATL		7013S
47980 VIC		203005!	480150 C-R		9613S+99149	480356 TIMKE		474278	480821 TIMKE		480821
47980 VIC		204005	480151 C-R		51098+99149	480356V NATL		474278	48084 VIC		370023A
47981 VIC		472635	480152 C-R		470380+99149	48036 ALLCH		471647	480844 TIMKE		480844
4798112 CHRYS		710046	48016 VIC		224570	48036 VIC		471808!	48085 VIC		370003A
4798125 CHRYS		472572	480163 SPG		471766!	480365 SPG		470898	48086 VIC		386025A
47982 VIC		8312	480168 C-R		7300S+99168	48037 VIC		471766	48086 VIC		416158
4798216 CHRYS		5106	48017 VIC		224255	48038 VIC		48X90X10	480867 NATL		470898
47983 VIC		370150A	480173 C-R		473237+99174	480380 SPG		470380!	48087 VIC		370065A
47984 VIC		710065	480176 C-R		204038+99174	48039 VIC		314259!	48088 VIC		370036A
47985 VIC		417350=	480177 C-R		5000	48041 VIC		4165V=	48088 VIC		370349A
47987 VIC		3606	480177 C-R		88176+9845	48041 VIC		5645	480889 TIMKE		480889
47988 VIC		4148	480177 C-R		9845+99176	48044 VIC		3459	48089 VIC		370003A
47989 VIC		470672	48018 VIC		4244	48044 VIC		40X58X10!	480898 SPG		470898
47990 VIC		473237	480183 SPG		472179	48045 VIC		313156	48090 VIC		370001A
47991 VIC		4143	480184 C-R		332062+99186	480450 C-R		455200+99450	48091 VIC		370023A
47992 VIC		100263	480185 C-R		2692+88187	48046 C-R		712449	48092 VIC		370106A
47992 VIC		3905	480185 C-R		2692+99187	48046 VIC		120X160X12	480929 SPG		473237!
47993 VIC		223420	480185 C-R		5001	480479 NATL		473445	48093 VIC		370021A
47994 VIC		1987	480186 C-R		2692+88187	480479H CONSL		473445	48094 VIC		370037A
47995 VIC		471950	480186 C-R		2692+99187	480479H TIMKE		473445	48094 VIC		370338A
47997 VIC		710167	480186 C-R		5001	48049 VIC		710365	48095 VIC		416892
4799B JN-MN		415034!	480187 C-R		6712NA+99187	480491 TIMKE		480491	480954 TIMKE		470954
479F OSHKO		415001!	48019 VIC		200854	480494 SPG		472164!	480954V TIMKE		470954
47X62X8SB TRSCM		1949	480194 SPG		473010!	4804DA IH		80313	48096 VIC		370047A
47X62X8SC TRSCM		47X62X8!	480198 C-R		331107N+99199	48050 C-R		455251H	48097 VIC		370131A
47X62X8TC TRSCM		47X62X8!	4801B JN-MN		456105	48050 VIC		3894V	48098 VIC		415058
47X65X8SC TRSCM		47X65X8	48020 VIC		200861	480550 SPG		710058	480988H TIMKE		473474
47X65X8TC TRSCM		47X65X8	48021 VIC		200133	480550SSR SPG		710058	48099 C-R		416163
47X68X10SC TRSCM		47X68X10!	480210 NATL		9376	480553 SPG		471224!	48099 VIC		370069A
47X68X10TC TRSCM		47X68X10!	480210 TIMKE		480210	480565 SPG		470565!	48099 VIC		380069A
47X70X10SC TRSCM		47X70X10	480219 C-R		3103+99218	480567 SPG		471267!	480991 TIMKE		480630
47X70X10TC TRSCM		47X70X10	48022 VIC		225875	480567R SPG		471267!	4809OS JN-MN		55223*=
48000 C-R		370005A	48023 VIC		17795	480570 TIMKE		472258	48100 C-R		416163
480005 SPG		471526!	48023 VIC		2942	480574H TIMKE		480574H	48101 C-R		416163
480007SK SPG		471281!	480233 C-R		3945+88233	480581 TIMKE		480581	48101 ROCKW		470954!
48001 C-R		370005A	480233 C-R		3945+99233	480581SSR SPG		480581	481019 SPG		472185!
48001 VIC		200603	48023D IH		473421	480590 SPG		470590	48103 VIC		4278
48002 C-R		370003A	48024 VIC		223608	48060 C-R		455251N*	481047 SPG		471571
48002 C-R		415437	48024 VIC		36X52X7!	480605 SPG		470605!	481073 TIMKE		481073
48002 VIC		200752	480245 SPG		471795	48061 VIC		3638	481076 NATL		471076
48003 VIC		200885	480249 C-R		415449+99250	480625 SPG		470625!	4810SH JN-MN		240119*
48004 VIC		200887	48025 VIC		224560	48063 VIC		225020	4810SS JN-MN		471442!*
48005 VIC		455134!	480250 C-R		471271+99250	480630 NATL		480630=	4810V TIMKE		4810V
480050 C-R		8792S+99050	48026 VIC		451845	480630 TIMKE		480630	48110 DANA		710096
480055 NATL		473215	480260 C-R		475003N+99262	48064 VIC		229005	48110 VIC		710096
480055 TIMKE		473215	480261 C-R		418027+99262	48065 C-R		455251H	481100 SPG		471652
48006 VIC		2007N	480262 C-R		9773+99262	48065SF VIC		4795V	481100SSR BRWNG		471652
48007 VIC		223543!	48027 VIC		710213	48067 VIC		415937	481100SSR BRWNG		482208!
480070 SPG		472185!	480273 C-R		475322N+99274	48068 VIC		39807	48112 VIC		473814
480071 SPG		472439	480274 C-R		417316+99274	480682 SPG		470682	481131 SPG		473215!
480074 C-R		727410+99076	480275 C-R		415009N+99274	480685CA SPG		225225	481134 NATL		471787!
48008 VIC		320583	480278 C-R		416282+99274	480685CA SPG		52X70X8!	481138 SPG		471138!
48009 VIC		223605	480281 NATL		7013S	48069 VIC		473241	481139 SPG		473239!
480097 C-R		240731+99100	480281 TIMKE		480281	48070 C-R		75251S	481150 NATL		473231!
480097 C-R		240731+99101	48028S TROS		412920	48070 VIC		370065A	481163 NATL		481163!
480098 C-R		470120+99101	48029 VIC		223800	48071 VIC		370036A	481163 NATL		50319
480099 C-R		471224+99101	480293 C-R		35949N+99293	48071 VIC		370349A	481163 NATL		6759S
4800B JN-MN		417273	480293 C-R		4563V	480712 SPG		470712!	481163 TIMKE		481163
48010 VIC		224100	480294 C-R		475012N+99293	48072 VIC		370037A	481181 NATL		481181
48010 VIC		40X65X10!	480299 C-R		417349+99300	48072 VIC		370338A	481181 SPG		481181!
48010 VIC		474161	4802B JN-MN		415551	480732VD SPG		710164	481181 TIMKE		481181
480101N SPG		412119	480300 C-R		415013N+99300	480739VD SPG		473241	481181N TIMKE		481181
48011 VIC		710058	480303 C-R		415086N+99300	48075 C-R		75251S	481181SSR SPG		481181!
480119 SPG		471442!	480303 TIMKE		472015	48075 VIC		370005A	481190A FORD		471316
48012 VIC		3638	48032 VIC		4249	48076 VIC		370021A	481190A1 FORD		471316
480125 C-R		471766+99125	480325 C-R		416470N+99325	48077 VIC		386025A	481190A2 FORD		471316
48014 VIC		1973	48033 VIC		2260	48077 VIC		416158	481191VJR SPG		481191V

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481192	SPG	471192	48145	VIC	380048A	481834	TIMKE	481834	48225	SPICE	719316
481193N	SPG	471193	48146	VIC	370033A	481837	TIMKE	473228	48225	VIC	415302
481195	TIMKE	471195	481466	SPG	471466!	48184	VIC	7692S	482253	TIMKE	482253
48120	TROS	7780	48147	VIC	370008A	481847R91	IH	203006!	482258	SPG	472258!
481213	NATL	470328	481472	SPG	471472!	481859	TIMKE	481859	482258V	TIMKE	472258
481213	TIMKE	481213	48148	VIC	370006A	481859SSR	BRWNG	481859	48226	VIC	450341
481224	SPG	471224!	481481	TIMKE	481481	48186	VIC	471645	482267	TIMKE	482267
481224V	TIMKE	471224	48149	VIC	417506	481864	TIMKE	481864	48227	VIC	450362
481255	SPG	471255!	48150	C-R	345214=	48187	VIC	204013	482278	SPG	471413!
481264	SPG	471264!	481504	SPG	471504	481883	SPG	471870!	48228	C-R	451583!
481267	SPG	471267!	48152	C-R	345214=	48189	VIC	473215!	48229	VIC	471612
481268	SPG	472258!	48152	VIC	472258	48191	VIC	473242	482299	SPG	472299
48127	VIC	17780	481526	SPG	471526!	48192	VIC	473458!	482299RA	SPG	472299
48127	VIC	6636S	481528	TIMKE	481528	48192	VIC	473458!	48230	VIC	471736
481271	SPG	471271!	48153	VIC	470460	48194	VIC	473517!	482309	TIMKE	482309
481272	NATL	471272!	481537	TIMKE	481537	48195	VIC	253099!	48231	VIC	471887
481279	NATL	472213	481538	TIMKE	471538	48196	VIC	472287!	482310	TIMKE	482310
481289	SPG	1999	481538VGR	SPG	471538	48198	VIC	474256!	482319	SPG	472319
48129	VIC	3945	48154	VIC	415023	48199	VIC	473205!	48232	VIC	25X62X10
481294	SPG	471526!	48155	VIC	417073	481992	TIMKE	481992	48233	VIC	472954
48130	VIC	710091	481551	SPG	471551!	4819989	ALLCH	472636!	48234	VIC	473225!
481305R	SPG	473454*	481554	SPG	471554!	4819990	ALLCH	416556!	48235	VIC	473233!
481305RAR	SPG	473454*	48156	VIC	47171!	4819990	ALLCH	472157	48236	VIC	473450!
481308	SPG	470380!	481564	SPG	471564	4819991	ALLCH	J1130	48237	VIC	473455!
48131	VIC	4122	481567	SPG	471567!	48200	VIC	481792	48238	VIC	473474
48131	VIC	470547	481568	NATL	481568	482005	SPG	473240!	48239	VIC	474261
481316	SPG	471316	481568	TIMKE	481568	482009	SPG	472397!	482393R1	IH	240735
48132	VIC	4503N	48157	VIC	473451!	48201	VIC	472560N	482394	SPG	472394
48133	VIC	714503	481570	SPG	471570!	482015	NATL	472015!	482397	SPG	472397!
48135	VIC	4141	481571V	TIMKE	471571	482016	SPG	472016!	48240	VIC	25X52X10
48135A	RELEE	417343!	481577	AM HO	417357	482018	SPG	472018	482401	NATL	473367
48135AD	RELEE	417366!	481577	AM HO	455192!	48202	VIC	471570!	48241	VIC	710152
48135B	RELEE	450260	48158	VIC	455144	482020	SPG	472020	482415	TIMKE	482415
48135D	RELEE	473438	48159	VIC	416156	482029	SPG	472029	48242	VIC	710136
48135E	RELEE	471766!	4815B	JN-MN	415001!	48203	VIC	473380	48243	VIC	710182
48135F	RELEE	415458!	48160	VIC	7568	48204	VIC	471633!	482435+9434	NATL	5397 \$
48135G	RELEE	472924!	48161	TROS	1035=	482041N	TIMKE	473454	482439	SPG	472439
48135H	RELEE	413469!	48161	VIC	710105	48205S	TROS	41461S	48245	VIC	710228
48135J	RELEE	412943	48162	TROS	416664!	48206	VIC	472185	48246	VIC	710199
48135K	RELEE	473213!	48163	VIC	4762N	482069N	TIMKE	482069N	48247	VIC	222510
48135L	RELEE	415001!	481643	SPG	471643!	48207	VIC	416961=	482475	SPG	472475
48135M	RELEE	415960!	481644	TIMKE	481644	48208	VIC	444042!	48248	VIC	223253
48135N	RELEE	411394!	481646	SPG	471646!	48210	VIC	471808!	482492	SPG	472492!
48135P	RELEE	472185!	481649	SPG	471649!	48211	VIC	471137	4824B	JN-MN	416888!
48135S	RELEE	412119!	481650	TIMKE	481650	48212	VIC	710204	48250	C-R	455614
48135T	RELEE	417073	481652V	TIMKE	471652	482125	NATL	470954	48251	VIC	223831
48135U	RELEE	415988	48166	VIC	4539H	482125	SPG	480821!	48253	VIC	4904
48135V	RELEE	472572!	48167	VIC	4189H	482126	TIMKE	482126	48254	VIC	1981
48136	VIC	5133	481689	SPG	471689!	48213	VIC	472572	48255	VIC	3622
48136X	RELEE	476470	481692	SPG	471692!	48214	C-R	418028	482554RB	SPG	474276
48137	VIC	487945	4816B	JN-MN	415437*	482144	SPG	472144!	48256	VIC	710103
48138	VIC	416706!	481733	SPG	471733	482163	TIMKE	482163	482572	SPG	472572!
481384	NATL	480581	481737	SPG	471737	482163N	NATL	482163	482576N	TIMKE	471192
48139	VIC	710179	48174	C-R	456890	482163N	TIMKE	482163	48258	VIC	710146
481397	BRWNG	481397	48175	C-R	456890	482163SSR	SPG	482163!	48259	VIC	225230
481397	TIMKE	481397	48176	C-R	456890	482164	SPG	472164!	4825LUP	JN-MN	476842
4813V	TIMKE	4813V	48176	VIC	320259	482164N	TIMKE	472164	48260	VIC	225450
48140	VIC	224255	481763	SPG	471763	48217	VIC	4333N	48261	VIC	223230
48141	VIC	710106	481765	SPG	471765!	482179	SPG	472179	48262	VIC	710241
481410	AM HO	417546!	481766	SPG	471766!	48218	VIC	4370N	482636	SPG	472636!
481413	NATL	471413!	481766V	TIMKE	481766V	482185	SPG	472185!	48266	VIC	4532N
481420	AM HO	416107!	48177	VIC	340835	4821B	JN-MN	455121	48267	VIC	416892
481420	AM HO	455073	48178	VIC	412920	48220	VIC	240462	48269	VIC	800550
481420	SPG	481420	48179	VIC	472258!	482208	TIMKE	482208	48269	VIC	800551
481424	SPG	471424!	481792	TIMKE	481792	48220S	TROS	6643S	4826B	JN-MN	472397!
48143	VIC	710101	481795	SPG	471795	48221	VIC	340817	48271	VIC	3896
48144	VIC	4525V	48180	VIC	710388	482213	SPG	472213	48272	VIC	4739
481442	SPG	471442!	48181	VIC	223012	48221S	TROS	7154S	48273	VIC	4857
481443	NATL	481443	48182	VIC	7412S	48222	VIC	340853	48274	VIC	710270
481443	TIMKE	481443	481826	TIMKE	481826	482230N	TIMKE	482230N	48277SF	VIC	9845
481446	AM HO	412871!	48183	VIC	710389	48224	VIC	415034!	48278	VIC	370019A
48145	VIC	370048A	481833V	TIMKE	481833V	48225	DANA	719316	4827B	JN-MN	473446*

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
48281	VIC	710414	483246N	TIMKE	413246	485072	SPG	415072	48613	VIC	471526!
48282	VIC	710413	483246N	WMG	413246!	4850LA	JN-MN	473016!	486130	SPG	416130!
48284	VIC	417505	483247	SPG	413247!	4850LPD	JN-MN	473016!	486135	SPG	416135!
48285	VIC	224010	483248	SPG	413248	4851	DIVCO	416738!	48615	VIC	471472!
48286	VIC	223520!	48326	VIC	470059	4851	DIVCO	450096	486153	SPG	416153!
48287	VIC	2081	48327	VIC	370051A	485138	SPG	415138!	48615TA	TRSCM	417267
48287	VIC	455511	48328	VIC	416865	48513D	IH	473215!	48617	VIC	471549!
48289	VIC	710335	48329	VIC	370078A	485146	SPG	415991	48618	VIC	471442!
48292	DANA	710452	48330	VIC	370094A	485146	SPG	455146!	48619	VIC	471530
48292	SPICE	710452	48331	VIC	370119A	485147	SPG	415449!	4862	ROCKW	410496!
48292	VIC	100497V	48332	VIC	370199A	48518D	IH	412119	486208XX	TIMKE	48X62X8
48292	VIC	4431V	483323V	TIMKE	471272	48519	TROS	416339	48620S	TROS	474276!
48292	VIC	9316	483323VGO	SPG	471272	48519	TROS	455031!	48622	VIC	472705!
482920	SPG	412920!	48333	VIC	370211A	485195H	TIMKE	472157	48623	VIC	471535!
482924	SPG	472924!	48335	VIC	370219A	485196	SPG	415196!	48624	VIC	471551!
48297	C-R	370027A	48336	VIC	370220A	485197HAR	SPG	485197H=	48625	VIC	471532
482971SSR	SPG	482971	483367V	TIMKE	473367	48519D	IH	473228!	48625TA	TRSCM	471269!
48298	C-R	AR20+370004A	48340	AMC	5759=	4852214	ALLCH	415437	48626	VIC	473405
48299	C-R	370027A	48340	TROS	450776!	485259	LF-PT	415259!	48627	VIC	471558
483	KRSE	411376!	48341	VIC	415483	485303	SPG	415303!	486271	SPG	416271!
48300	VIC	2457	48342	AMC	471827	485304	SPG	476470	486273	SPG	416273
483010	SPG	473010!	48343	AMC	471141!	485306R1	IH	471643!	48628	VIC	481073
483016	SPG	473016!	48343	VIC	15X32X8	485364	SPG	416664!	486288	SPG	416288!
48302	VIC	473442!	4834772	ALLCH	455151	485364N	TIMKE	416664	48629	VIC	471538!
48304	VIC	482163!	483481	NATL	471766!	485379	SPG	415379	486294	SPG	416294!
48305	VIC	4528N	483481	SPG	471766!	48539D	IH	200600	4862LA	JN-MN	472164!
483054N	TIMKE	483054N	483485	SPG	40769S	4854	SPG	1981	48630	VIC	471579
483054RRR	SPG	483054N	483488	TIMKE	483488	485406VD	SPG	2377	486309XX	TIMKE	48X63X9
483054VDR	SPG	483054V	4834LA	JN-MN	470059	485437	SPG	415437	48632	VIC	470954!
48307	VIC	714679	4834LA	JN-MN	470380!	485449	SPG	415449!	486320L	C-R	417355!
48308	VIC	4598	48351	VIC	415449!	485458	SPG	415458!	486320L	C-R	485497
48311	WAUKE	471570!	48352	VIC	710268	485483	SPG	415483	486339	SPG	416339
48312	VIC	224250	48353	VIC	417987N	48549	HYST	471192	48634	VIC	480821!
48313	VIC	471424!	48354	VIC	710275	485497	SPG	417355!	486345	SPG	416345!
48316	VIC	710304	48355	VIC	455031!	485497	SPG	485497	48636	VIC	471498
48317	VIC	9150S	48356	VIC	415991	485497	TIMKE	485497	48637	VIC	471684!
4831CAR	SPG	710005	48358	VIC	412861	485497X54	SPG	417355!	48638	VIC	450033
48320	VIC	15X26X7	483591	FORD	472560N!	485497X54	SPG	485497	48639	VIC	481443!
483203	SPG	473203	48362	VIC	711553	4856336	AMC	4857	4863LA	JN-MN	471141!
483204	SPG	473204	48363	VIC	710171	4856336	CHRYSL	4857	48640	VIC	481568!
483205	SPG	473205!	48365	VIC	473336	485645	SPG	415645!	48640S	TROS	415449!
483210	SPG	473210	483793	TIMKE	483793	485697	SPG	415697!	48641	VIC	471337
483211	SPG	473211!	4837B	JN-MN	455136	4856LA	JN-MN	471750!	486414	SPG	415991!
483212	SPG	473212!	4838	HYST	415035	4857	TIMKE	4857	486414	SPG	415991
483213	SPG	473213!	4838	HYST	415035!	485725	SPG	415725!	48642	VIC	474273
483214	SPG	473214!	483801	SPG	1949	485836	SPG	415995!	48643	VIC	471645
483215	SPG	473215!	483856	ALLCH	415577	485836	SPG	415995!	48644	VIC	471686
483224	SPG	473224!	4838563	ALLCH	415577	485894	SPG	412473!	48645	VIC	473412
483225	SPG	473225	48387	VIC	TCS45939	485921N	NATL	413246	48646	VIC	473413
483226	SPG	473226	4838B	JN-MN	473450	485937	SPG	415937!	48647	VIC	473414
483227	SPG	473227!	484054	TIMKE	484054	485953	SPG	415035	48649	VIC	473415
483228	SPG	473228!	484058	TIMKE	484058	485960	SPG	415960	4864LA	JN-MN	455583N!
483229	SPG	473229!	484064V	TIMKE	484064V	485984	SPG	415984!	4864LUP	JN-MN	455583N!
483230	SPG	473230!	4840LA	JN-MN	417082*	48600	VIC	350364	48650	VIC	471267!
483230V	TIMKE	473230	484103SGR	SPG	224470	486011	SPG	417621!	48651	VIC	471633!
483231	SPG	473231!	484103SGR	SPG	44X72X10!	486023	SPG	417349!	486510XX	TIMKE	48X65X10
483232	SPG	473232!	484132SSR	SPG	710053	48603	VIC	50010	48652	VIC	470590
483233	SPG	473233!	484156V	TIMKE	484156V	486041	SPG	416041	48653	VIC	471137
483234	SPG	473234!	4842LA	JN-MN	471649!	486047	SPG	416332!	48654	VIC	471730
483235	SPG	473235!	4843	SKIL	471231!	48605SA	TRSCM	416167	48654S	TROS	417344!
483236	SPG	473236!	484320	C-R	55353	48606	VIC	50199S!	48655	VIC	471730
483237	SPG	473237!	48440	TROS	6127	48606	VIC	6863S!	486556	SPG	416556!
483238	SPG	473238!	48460	TROS	472258!	48607	VIC	50199S!	486556	SPG	472157
483238V	TIMKE	473238	48464	TROS	473419	48607	VIC	6863S!	48657	VIC	471649!
483239	SPG	473239!	484766R91	IH	204008	48609	VIC	320457	48659	VIC	450038
483240	SPG	473240!	48498D	IH	416444	4860S	SPG	8312	48660	VIC	471571
483241	SPG	473241	484W316-M1	C-R	6638S*	4860SCR	NATL	8312	48661	VIC	471647
483242	SPG	473242	485011	SPG	416921!	4860SCR	SPG	8312	48662	VIC	472951
483243	SPG	473243	4850132	ALLCH	415645!	48610	VIC	470004!	48662	VIC	474252
483244	SPG	473244!	4850132	ALLCH	455104	486107	SPG	416107!	486624	SPG	416624!
483245	SPG	473245!	485031	SPG	455031!	48612	VIC	320457	48664	VIC	451583!
483246	SPG	413246	48504	TROS	416273!	486125	SPG	416125!	48665	VIC	471648

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
48666	VIC	471688	487172	SPG	417172	4873LUP	JN-MN
486664	SPG	416664!	487181	SPG	417181!	4874	C-R
486666	SPG	416666	487191	SPG	417191	4874	GR-DV
48667	VIC	472311!	487196	SPG	417196!	4874	HU-WR
48668	VIC	471733	487205	SPG	417205!	48741	VIC
48669	VIC	471744!	487207XX	TIMKE	48X72X7	48743	VIC
4866B	JN-MN	472029*	48721	VIC	50254=	48744	VIC
48670	VIC	50209	487211	SPG	417211!	48746	VIC
48671	VIC	481650	48722	VIC	473016!	48747	VIC
48676	VIC	471272!	48724	VIC	474264	48748	VIC
48677	VIC	471651	487247	SPG	417247!	48749	VIC
48678	VIC	471705!	48725	C-R	417267	4874G	CLARK
48679	VIC	471735	487254	SPG	417254	4874N	TIMKE
4867B	JN-MN	417507!	48726	C-R	417267	4874N	TIMKE
4867B	JN-MN	417507	48726	VIC	473439!	4874RX	SPG
4867D5	DIA	417487	487262	SPG	417262!	48750	C-R
4867D5	DIA	417487!	48727	VIC	470625*	48750	VIC
48680	VIC	450342	48727	VIC	470625!	48751	VIC
48681	VIC	471762!	487278	SPG	417278	487510XX	TIMKE
486810XX	TIMKE	48X68X10	4873	C-R	455820	48752	VIC
48682	VIC	471762!	48730	TROS	471763	48753	VIC
48683	VIC	450044	48731	TROS	474274	48754	VIC
486857	TIMKE	486857	487314	C-R	417494	48755	VIC
48686	VIC	450159	487314M1	C-R	417494	48756	VIC
486865	SPG	416865!	487316	C-R	417198	48757	VIC
48687	VIC	350974!	487316	SPG	417316!	48759	VIC
48688	VIC	470712!	487318	C-R	417498	4875N	TIMKE
486888	SPG	416888!	487318M1	C-R	417498	4875RX	SPG
48689	VIC	471747!	487320	C-R	417355!	48760	VIC
486891	SPG	416891!	487320M1	C-R	417355!	48761	VIC
486892	SPG	416892!	487324	C-R	417205!	48763	VIC
4868B	JN-MN	472636!	487324	GR-DV	417205!	48763S	TROS
48690	C-R	370195A	487324	HYST	417205!	48764	VIC
48690	VIC	471785!	487324M1	C-R	417205!	48766	VIC
48691	C-R	370195A	487326	C-R	417504	48766	VIC
48691	VIC	473428	487326M1	C-R	417504	48767	VIC
486910602	FORD	8316	487328	C-R	417211!	48768	C-R
48692	VIC	471764!	487328	GR-DV	417211!	48769	C-R
486921	SPG	416921!	487328M1	C-R	417211!	48769	C-R
48693	C-R	416167*	48733	TROS	416345!	48769	VIC
48693	C-R	416167!	48733	TROS	455033	4876N	TIMKE
48694	C-R	416167!	48733	VIC	472299	4876N	TIMKE
48694	VIC	453063	487330	C-R	417967!	48771	VIC
48695	C-R	416167!	487330M1	C-R	417967!	48772	VIC
4869546	GE	481073	48734	VIC	472299	48775	C-R
48696	VIC	473205	487343	SPG	417343!	48776	C-R
48697	C-R	5010=	487344	SPG	417344!	48776	VIC
48697	VIC	474254!	487344V	TIMKE	417344	48776D	IH
48697	VIC	474254*	487349	SPG	417349!	48777	VIC
48698	VIC	450173	487350	SPG	417350!	48779	VIC
48699	TROS	473239!	487351	SPG	417351!	48781	VIC
486C328	C-R	417211!	487352	SPG	418028	48783	VIC
48700	C-R	416167!	487354	SPG	417354!	487845R	SPG
487008XX	TIMKE	48X70X8	487355	SPG	417355!	48785	VIC
487009XX	TIMKE	48X70X9	487356	SPG	417356!	48786	VIC
48701	C-R	416167!	487357	SPG	417357	48787	VIC
48701	TROS	5452	487358	SPG	417358	48788	VIC
48702	VIC	471787!	487359	SPG	417359	48789	AM WH
48703	VIC	450177	48736	VIC	482253	48789	VIC
48704	VIC	470050	487360	SPG	417360	4879	HEIL
48704D	IH	80313	487361	SPG	417361	4879	STN-S
48705	VIC	473424!	487362	SPG	417362!	48790	AM WH
48706	VIC	450124=	487363	SPG	417363	48790	VIC
4870S	SPG	710091	487364	SPG	417364	487908	GMC
4870SCR	NATL	710091	487365	SPG	417365	48791	VIC
48710	VIC	473421	487366	SPG	417366!	48792	C-R
48711	VIC	473212!	48737	VIC	451469	48792	VIC
48713	VIC	473436	48738	TROS	471570!	48793	VIC
48715	VIC	450054	48738	VIC	473010	48794	C-R
487158	SPG	417158!	48739	VIC	474274	48794	VIC
48716	VIC	470774!	487397V	TIMKE	487397V	487945	TIMKE
487171	SPG	417171!	4873LA	JN-MN	417570	48795	VIC
48796	C-R	370057A	48796	VIC	417343!	48796	VIC
48796	VIC	417343!	48798	VIC	455005	48798	VIC
48798	VIC	455005	48799	VIC	417134	48799	VIC
48799	VIC	417134	487B324	C-R	417205!	487B324	C-R
487F324	C-R	417205!	487F324	C-R	417205!	487F324	C-R
487GA	C-R	45187S	487GA	C-R	45187S	487GA	C-R
487W3	C-R	455820	487W3	C-R	455820	487W3	C-R
487W314	C-R	417494	487W314	C-R	417494	487W314	C-R
487W316	C-R	417198	487W316	C-R	417198	487W316	C-R
487W328	C-R	417211!	487W328	C-R	417211!	487W328	C-R
487W4	C-R	415187	487W4	C-R	415187	487W4	C-R
48800	VIC	417486	48800	VIC	417486	48800	VIC
488008XX	TIMKE	48X80X8	488008XX	TIMKE	48X80X8	488008XX	TIMKE
48801	VIC	415995!	48801	VIC	415995!	48801	VIC
48802	VIC	417351!	48802	VIC	417351!	48802	VIC
48803	VIC	417488!	48803	VIC	417488!	48803	VIC
48804	VIC	415088	48804	VIC	415088	48804	VIC
48804	VIC	415088!	48804	VIC	415088!	48804	VIC
48805	VIC	55155=	48805	VIC	55155=	48805	VIC
48806	VIC	455015	48806	VIC	455015	48806	VIC
48808	VIC	417490	48808	VIC	417490	48808	VIC
48809	VIC	416292	48809	VIC	416292	48809	VIC
4880LA	JN-MN	471255!	4880LA	JN-MN	471255!	4880LA	JN-MN
4880LUP	JN-MN	471255!	4880LUP	JN-MN	471255!	4880LUP	JN-MN
48810	VIC	417491	48810	VIC	417491	48810	VIC
48811	VIC	415085!	48811	VIC	415085!	48811	VIC
48811	VIC	456648	48811	VIC	456648	48811	VIC
48812	VIC	417191	48812	VIC	417191	48812	VIC
48812	VIC	455165!	48812	VIC	455165!	48812	VIC
48813	VIC	417492	48813	VIC	417492	48813	VIC
48814	VIC	240435	48814	VIC	240435	48814	VIC
48816	VIC	240435	48816	VIC	240435	48816	VIC
48817	VIC	330385	48817	VIC	330385	48817	VIC
48819	VIC	340771	48819	VIC	340771	48819	VIC
4881A	HERCU	472636!	4881A	HERCU	472636!	4881A	HERCU
4881LA	JN-MN	417551	4881LA	JN-MN	417551	4881LA	JN-MN
48821	VIC	471264	48821	VIC	471264	48821	VIC
48823	VIC	254287!	48823	VIC	254287!	48823	VIC
48824	VIC	40208	48824	VIC	40208	48824	VIC
48825	VIC	471224!	48825	VIC	471224!	48825	VIC
48827	VIC	472560N	48827	VIC	472560N	48827	VIC
48828	VIC	43069S	48828	VIC	43069S	48828	VIC
48829	VIC	43076S	48829	VIC	43076S	48829	VIC
48830	VIC	471766	48830	VIC	471766	48830	VIC
48832	VIC	471192	48832	VIC	471192	48832	VIC
48834	VIC	43078S	48834	VIC	43078S	48834	VIC
48835	VIC	43074S	48835	VIC	43074S	48835	VIC
48836	VIC	40568S	48836	VIC	40568S	48836	VIC
48837	VIC	474272!	48837	VIC	474272!	48837	VIC
48837	VIC	474272*	48837	VIC	474272*	48837	VIC
48838	VIC	40627S=	48838	VIC	40627S=	48838	VIC
4883964AA	CHRY	800550	4883964AA	CHRY	800550	4883964AA	CHRY
4883B	JN-MN	413478*	4883B	JN-MN	413478*	4883B	JN-MN
4883S	SPG	1956	4883S	SPG	1956	4883S	SPG
48841	VIC	412920!	48841	VIC	412920!	48841	VIC
4884B	JN-MN	473461!	4884B	JN-MN	473461!	4884B	JN-MN
4884S	SPG	224400	4884S	SPG	224400	4884S	SPG
48850	VIC	455019!	48850	VIC	455019!	48850	VIC
48851	VIC	470165	48851	VIC	470165	48851	VIC
48852	VIC	455024	48852	VIC	455024	48852	VIC
48853	VIC	417354!	48853	VIC	417354!	48853	VIC
48854	VIC	417493	48854	VIC	417493	48854	VIC
48855	VIC	455026	48855	VIC	455026	48855	VIC
48856	VIC	415711	48856	VIC	415711	48856	VIC
48857	VIC	417497	48857	VIC	417497	48857	VIC
48858	VIC	417498	48858	VIC	417498	48858	VIC
48859	VIC	417498	48859	VIC	417498	48859	VIC
4885B	JN-MN	473313	4885B	JN-MN	473313	4885B	JN-MN
4885S	SPG	710092	4885S	SPG	710092	4885S	SPG
48860	VIC	415937!	48860	VIC	415937!	48860	VIC
48861	VIC	417501	48861	VIC	417501	48861	VIC

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
48863	VIC	55030	48924	VIC	417269!	49002	VIC	5246	49128	TROS	5M497
48864	VIC	415379!	48925	VIC	417539!	4901	TIMKE	4901	49128	VIC	474281!
48864	VIC	415379	48926	VIC	417273	49011	VIC	473450!	4912B	JN-MN	415442!
48865	VIC	417205!	48927	VIC	415645!	4901LA	JN-MN	455509	4912B	JN-MN	55442
48866	VIC	415150!	48927	VIC	455104	4902	KELSE	200354	4913	C-R	340847
48867	VIC	455178 =	48929	VIC	417556	49022	TROS	5M81	4913	C-R	43095S!*
48868	VIC	417504	48931	VIC	417562	49024	VIC	416738!	4913	LABEQ	473236!
48869	VIC	455032!	48932	VIC	417563	49025	VIC	473367!	49130	VIC	473442!
48870	C-R	370005A	48933	VIC	417298	49026	VIC	415007	49133	VIC	472287!
48870	VIC	417210!	48934	VIC	417596	49027	VIC	416921!	49136	TROS	5M544
48871	VIC	417366!	48935	VIC	455584	49029	TROS	5M89	49136	VIC	6356
48872	VIC	417967!	48935K	IH	50081	49029	VIC	450044	49137	TROS	5M559
48873	VIC	455191	48936	VIC	416077	4902LA	JN-MN	417546!	49138	TROS	5M643
48874	VIC	417357	48937	VIC	415116	4902LUP	JN-MN	417546!	4914	LABEQ	415991
48874	VIC	455192!	48938	VIC	455117	49035	VIC	473239	4914	LABEQ	455146!
48875	VIC	417357	48939	VIC	415551	49039	VIC	7600S	49140	VIC	471866!
48875	VIC	455192!	48940	VIC	417598	4903CA	SPG	710158	49141	VIC	471341!
48876	VIC	415036	48941	VIC	455406!	4904	TIMKE	4904	49143	VIC	470950!
48877	VIC	417509	48942	VIC	455121	49041	VIC	471750!	49143	VIC	6241S
48878	VIC	55193 =	48943	VIC	417602!	49042	CATER	470590	49144	VIC	450111
48879	VIC	455037	48944	VIC	455123	49042	VIC	471354!	49146	VIC	471868
48880	C-R	455614	48946	VIC	417604	49046	VIC	55367 =	49149	VIC	473467
48882	C-R	370005A	48947	VIC	417567	49050	C-R	370003A	49149	VIC	473467!
48883	C-R	7866S	48948	VIC	415128	49050	C-R	380003A	49150	VIC	473228!
48883	VIC	415142	48949	VIC	415090	490576C92	IH	370124A	49150SF	VIC	473228!
48884	C-R	370121A	48950	VIC	55218 =	490577C92	IH	370131A	49153	SPICE	714675
48884	VIC	417512	48951	VIC	415219	4905CA	SPG	710146	49153	TROS	5M867
48885	VIC	455203	48953	VIC	417606	49061	VIC	470380!	49160	TROS	471192
48886	C-R	370057A	48954	VIC	55222 =	49070	TROS	5M289	49161	VIC	5778
48886	C-R	380003A	48954D	IH	472287!	49071	TROS	5M293	49162	TROS	6489
48886	VIC	455056	48955	VIC	55223 =	49071	VIC	40337S	49163	VIC	42127S
48887	VIC	455194	48956	VIC	55224 =	4907118	ALLCH	416297	49164	VIC	473464!
48888	HYST	330385!	48956D	IH	471649!	49075	VIC	471827	49164	VIC	473464
48888	VIC	417513	48957	VIC	417020	49081	VIC	473471	491656C1	IH	3292
48889	VIC	417514	48958	VIC	417570	49082	TROS	5M356	49168	VIC	415458!
48890	VIC	417515	48959	VIC	415227!	49086	VIC	470954!	49170	VIC	415007
48891	VIC	472157	48960	TROS	1020	49089	VIC	411253!	49171	TROS	5MR71
48892	VIC	415196!	48961	VIC	415482	4909	C-R	342805	49171	VIC	470334!
48893	VIC	416891!	48962	VIC	415076	49092	VIC	481864	49172	TROS	5MR1008
48894	VIC	415045!	48963	VIC	417608	49094	TROS	5M403	49173	TROS	5MR1009
48895	VIC	416137	48967	VIC	472193*	49095	TROS	5M406 =	49173	VIC	473473
48896	VIC	455197N	48967	VIC	472193!	49098	VIC	450593!	49174	VIC	417073
48897	VIC	417520	48968	VIC	330385	49098	VIC	450593	49176	TROS	5MR1300
48898	VIC	455026	4896902	ALLCH	411376!	49099	VIC	450084!	49176	VIC	5756
48899	VIC	417238	48971	VIC	415064	4910	C-R	342805	49177	TROS	5MR1301
488H320M1	C-R	417355!	4897297AA	CHRY	713103	49101	VIC	414045!	49177	VIC	471795
488H320M1	C-R	485497	4898	TIMKE	4898	49103	TROS	5M445	49177D	IH	472439
488WL316-M1	C-R	417196!*	4899	TIMKE	4899	49105	VIC	5711	49178	VIC	40769S
4890	MID	240735	48X62X8	NATL	1188	49106	VIC	472394	49180	VIC	450073
489010XX	TIMKE	48X90X10	48X62X8SB	TRSCM	1188	49109	VIC	450666	49182	VIC	415960
48903	VIC	415047	48X62X8SC	TRSCM	48X62X8!	4910B	JN-MN	455356	49184	VIC	410190
48904	VIC	416149	48X62X8TC	TRSCM	48X62X8!	4911	C-R	342805	49187	VIC	471316
48905	VIC	415060	48X63X11SM	TRSCM	1969	4911	LABEQ	471760	49189	VIC	473215!
48905	VIC	455060	48X63X9SC	TRSCM	48X63X9!	49110	VIC	40154S	4918LA	JN-MN	471554!
48906	VIC	55199 =	48X63X9TC	TRSCM	48X63X9!	4911035	WOOL	55441 =	49190	VIC	5790 =
48907	VIC	417525	48X65X10SC	TRSCM	48X65X10!	49111	VIC	471570!	49191	VIC	450065
48908	VIC	417526	48X68X10SC	TRSCM	48X68X10!	49112	VIC	473444	49193	TROS	415196!
48909	VIC	415351!	48X68X10TC	TRSCM	48X68X10!	49113	SUL	472924!	49195	VIC	473440
48910	VIC	416153!	48X70X8	ISP	48X70X8	49113	VIC	472924!	49197	VIC	473450
48911	VIC	416154!	48X70X9SC	TRSCM	48X70X9!	49114	VIC	474265	49198	VIC	415001!
48912	VIC	55539 =	48X70X9TC	TRSCM	48X70X9!	49114-56B00	SUZUK	221730	49199	VIC	472636!
48913	VIC	417533	48X72X7SC	TRSCM	48X72X7!	49114-56B20	SUZUK	221730	4919B	JN-MN	474265
48914	VIC	417534	48X72X7TC	TRSCM	1208	49114-60A00	SUZUK	221730	49202	VIC	240023
48915	VIC	457585	48X72X7TC	TRSCM	48X72X7!	49116	TROS	5M466	49203	VIC	471571
48916	VIC	416158	48X75X10SC	TRSCM	48X75X10	4911630	ALLCH	473459	49206	VIC	413469!
48917	VIC	415064	48X75X10TC	TRSCM	48X75X10	4911B	JN-MN	455032!	49208	C-R	710405
48918	VIC	417535	48X80X8SC	TRSCM	48X80X8	4912	C-R	340847!	49208	VIC	455280
48919	VIC	417536	48X80X8TC	TRSCM	48X80X8	4912	C-R	8792S*	49209	VIC	6241S
48920	VIC	416163	48X90X10SC	TRSCM	48X90X10	4912	LABEQ	415449!	49210	C-R	125X150X12!
48921	VIC	456890	48X90X10TC	TRSCM	48X90X10	49120	TROS	473235	49210	C-R	231250
48922	VIC	416167!	49 UNIVE		474277	49122	VIC	473441	49211	C-R	125X150X12V
48923	VIC	417267	49001	VIC	5070	49124	VIC	473450!	49211	VIC	473214*

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
49211	VIC	49290	VIC	49372	VIC	49442	VIC
49212	VIC	49291	VIC	49373	VIC	49444	VIC
49213	C-R	49292	VIC	49374	VIC	49445	VIC
49213	C-R	49293	VIC	49375	SSR SPG	49446	VIC
49214	C-R	49294	VIC	49376	VIC	49447	VIC
49214	VIC	49295	VIC	49378	VIC	49448	VIC
49215	C-R	49296	VIC	49379	VIC	49449	VIC
49215	VIC	49297	VIC	4938	C-R	4945	C-R
49216	VIC	49298	VIC	4938	C-R	49450	VIC
49218	VIC	49299	SPICE	49380	VERSA	49451	VIC
49219	VIC	49300	C-R	49380	VIC	49452	VIC
4921B	JN-MN	49300	VIC	49382	VIC	49453	VIC
49222	VIC	49301	C-R	49383	VIC	49454	VIC
49223	VIC	49301	VIC	49385	VIC	49457	VIC
49224	VIC	49302	VIC	49388	VIC	49458	VIC
49225	VIC	49304	VIC	49389	VIC	49459	C-R
49226	VIC	49305	VIC	49389	VIC	49459	VIC
4923	C-R	49306	VIC	4939	C-R	4946	C-R
49230	VIC	49307	VIC	4939	SPG	49460	C-R
492300C1	IH	4931	C-R	49390	VIC	49460	VIC
49232	VIC	49310	VIC	49391	VIC	49462	VIC
492324L	C-R	49311	VIC	49395	VIC	49463	VIC
49233	VIC	49313	VIC	49397	VIC	49466	VIC
49234	ALLCH	49314	VIC	49398	VIC	49468	VIC
49234	VIC	49315	VIC	49399	VIC	49469	VIC
49235	VIC	49316	VIC	4940	C-R	49470	VIC
49236	VIC	49317	VIC	49400	VIC	49472	VIC
49237	VIC	49317C1	VIC	49401	VIC	49472	VIC
49238	VIC	49318	VIC	49402	VIC	49474	VIC
49239	VIC	49319	VIC	49403	VIC	49475	VIC
49240	C-R	49320	VIC	49407	VIC	49475	VIC
49240	VIC	49321	VIC	49407	VIC	49476	VIC
49242	VIC	49324	VIC	49408	VIC	49477	VIC
49243	C-R	49324C1	VIC	4940LA	JN-MN	49478	VIC
49244	C-R	49328	VIC	4940LUP	JN-MN	49479	VIC
49247	VIC	493287	WHITE	49410	VIC	49479C1	VIC
49248	VIC	493291	TIMKE	494117	TIMKE	49480	VIC
4925	C-R	49330	VIC	494117SSR	SPG	49481	VIC
4925	EATON	49331	VIC	49412	VIC	49482	VIC
4925	FULLE	49336	VIC	494122	TIMKE	49483	VIC
49250	C-R	49337	VIC	494123	TIMKE	49483	VIC
49251	C-R	49338	VIC	494123CA	SPG	49483	WABCO
49252	VIC	4934	TIMKE	49413	VIC	49484	VIC
49257	VIC	49340	VIC	49414	VIC	49485	VIC
49258	VIC	49341	VIC	49415	VIC	49486	VIC
49259	VIC	49341	VIC	49417	VIC	49487	VIC
49263	VIC	49342	VIC	49418	VIC	49488	VIC
49264S	TROS	49344	VIC	4941LA	JN-MN	49489	VIC
49268	C-R	49346	VIC	4941LA	JN-MN	49491	VIC
49268	VIC	49347	VIC	4941LUP	JN-MN	49492	VIC
49269	VIC	49348	VIC	4941LUP	JN-MN	49494	VIC
49270	C-R	493482	WHITE	4941V	TIMKE	49495	VIC
49270	VIC	49349	VIC	4941VD	SPG	49497	VIC
492702	NATL	49350	VIC	49420	VIC	49499	VIC
49271	VIC	49351	VIC	49421	VIC	4950	C-R
49272	VIC	49352	VIC	49422	VIC	4950	TIMKE
49273	VIC	493524	TIMKE	49424	VIC	49501	VIC
49274	VIC	49353	VIC	49426	VIC	49501	VIC
49276	VIC	49354	VIC	49426C1	VIC	49503	VIC
49277	VIC	49355	VIC	49427	VIC	49504	VIC
49278	VIC	49356	VIC	49428	VIC	49504	VIC
49279	VIC	49358	VIC	49429	VIC	495045	WHITE
49279	VIC	49359	VIC	49430	VIC	49505	VIC
49280	VIC	49359	VIC	49431	VIC	49507	VIC
492805	WHITE	49360	VIC	49432	VIC	49508	VIC
49282	VIC	49361	VIC	49433	VIC	49509	VIC
49283	VIC	49362	VIC	49434	VIC	4950D5	DIA
49285	VIC	49363	VIC	49435	VIC	4951	C-R
49287	VIC	493637	TIMKE	49438	VIC	49510	VIC
49288	VIC	49364	VIC	49439	VIC	49511	VIC
49289	VIC	49368	VIC	4943B	JN-MN	49512	VIC
49290	C-R	49369	VIC	49440	VIC	49514	VIC

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
49515	VIC	470954!	49610	VIC	472636!	49692	VIC	471267!	49800	VIC	417487!
49517	VIC	417181!	49611	VIC	416282	49693	VIC	240735	49805	VIC	415371
49518	VIC	473228!	49612	VIC	471344	49695	VIC	473464!	49806	VIC	415025
49519	VIC	472810!	49614	VIC	6127	49695	VIC	473464	4980629	GMC	416294!
49520	VIC	413246	49616	VIC	473238!	49696	VIC	471224!	49807	VIC	415027
49521	VIC	470354	49617	VIC	351487	49697	VIC	6847S	49807	VIC	415027!
49522	VIC	40085S!	49618	VIC	417316!	49699	VIC	6370N	49808	VIC	415043
49522	VIC	470530*	4961G	GOODM	457874	4969LA	JN-MN	470625!	49809	VIC	415072
49523	VIC	471272!	4962	C-R	471442!	49701	VIC	340797	49812	VIC	415035
49526	VIC	481644	49620	VIC	416288	49702	VIC	410987!	49815	VIC	415196!
49527	VIC	340413	49620S	TROS	350936	49703	VIC	472560N!	49815	VIC	416380
49529	VIC	340787	49624	VIC	417316!	49705	VIC	6703S	49816	VIC	417537
49530	VIC	40566S	49625TA	TRSCM	417273	49707	VIC	7600S	49817	VIC	476470
49531	DANA	4525V	49627	VIC	481073	49709	VIC	472179	49818	VIC	415034!
495311	DANA	4525V	49629	VIC	6489	4970BX	SPG	710106	4981VJ	SPG	4981V
49533	VIC	471787	4963	C-R	471442	4970LA	JN-MN	473228	49821	VIC	455134!
49534	VIC	473458!	49630	VIC	415442!	49711	VIC	8139	49822	VIC	45637S
49535	VIC	8370S	49630	VIC	55442	49713	VIC	473179	498281	WHITE	472705!
49536	VIC	7107A=	49631	VIC	80313	49715	VIC	6636S	49829	VIC	416865
49540	VIC	483054N	496311C91	IH	416282	49716	VIC	471344	4983	C-R	240119
49540S	TROS	471827	496312C1	IH	3591	49717	VIC	471643!	49830	VIC	5751
49541	HYST	471750!	49632	VIC	200600	49718	VIC	451078!	49831	VIC	415066
49542	VIC	472354!	49633	VIC	481181!	49719	VIC	342517	49833	VIC	415437
49543	VIC	470530!	4963475	GMC	417205!	4971BX	SPG	710103	49834	VIC	417516
49545	VIC	6489	49635	VIC	472560N	49720	VIC	473234!	49835	VIC	417223
49546	VIC	415995!	49636	VIC	240731	49721	VIC	450725N=	49836	VIC	415351!
49547	VIC	472015!	49637	VIC	240736	49722	VIC	473461!	49837	VIC	370019A
49548	VIC	43086S	49638	VIC	472439	49723	VIC	472560N	4984	C-R	471442
49552	VIC	2081	4964	C-R	471442	49725	VIC	7929S	49841	VIC	455189
49552SF	VIC	2081	49640	VIC	6489	49727	VIC	417621!	49843	VIC	415085!
49554	VIC	472644	49644	VIC	6090S	4972785	GMC	415035	49843	VIC	456648
49555	VIC	40468	49646	VIC	3173	4972785	GMC	415035!	49844	VIC	416125!
49557	VIC	474264	49646	VIC	710928	49729	VIC	472319	49845	VIC	415138!
4956	C-R	240119	49647	VIC	410825	49731	VIC	470954!	49846	VIC	370036A
49560	VIC	6846S=	49649	VIC	473459	49733	VIC	410308!	49846	VIC	370349A
49560S	TROS	6760S	4965	C-R	471442!	49733	VIC	473468	49848	VIC	415023
49561	VIC	417159	49650	VIC	5585	49734	VIC	474131	4985	C-R	471442!
49562	VIC	6966S	49651	VIC	6547	49735	VIC	6703S	49851	VIC	6644
49563	VIC	6241S	49653	VIC	471571	49736	VIC	6781	49852	VIC	417355!
49566	VIC	415458!	49654	VIC	470954!	49737	VIC	473010*	49853	VIC	415021
49567	VIC	410059	49655	VIC	471267!	49737	VIC	473010!	49856	VIC	415991
49567	VIC	470380!	49656	VIC	40401	49738	VIC	472409	49856	VIC	455146!
49570	VIC	470774!	49657	VIC	410987!	49739	VIC	203034	49857	VIC	6077
49572	VIC	473179	49657	VIC	450686	49740	TROS	5414	49860	VIC	415437
49573	VIC	450776!	49658	VIC	477609*=	49740	VIC	472179	49860	VIC	415437!
49575	VIC	471504!	49659	VIC	473235!	49741	VIC	6818	49865	VIC	416229
49577	VIC	450776!	4965961	GMC	417254	49742	VIC	353120	49866	VIC	455022
49578	VIC	240356	4966	C-R	471442	497428BG	SPG	8976S	49867	VIC	415284
49579	VIC	472560N	49663	VIC	471316	497428BX	SPG	8976S	49868	VIC	415041
49581	VIC	6532S=	4966340	GMC	417273	49743	VIC	9613S	49869	VIC	416332!
49582	VIC	471835!	49666	VIC	410737!	49744	VIC	470898!	49870	VIC	416345!
49583	VIC	414268	496679C1	IH	472636!	49745	VIC	415449	49870	VIC	455033
49584	VIC	412119	49668	VIC	472572!	49746	VIC	6840S	49871	VIC	415187
49585	VIC	473235	496680C1	IH	472164!	49747	VIC	9613S	49872	VIC	416888!
49585C1	VIC	473235	49669	VIC	450143	49748	VIC	6985	49873	VIC	416892!
49587	VIC	472179	4967	SPG	354967	49749	VIC	6785	49874	VIC	417538
49589	VIC	40097S	49671	VIC	340400	4975	C-R	471442	49876	VIC	417546!
49590	VIC	40094S	49672	VIC	200354	4976	C-R	471442!	49877	VIC	416107!
49591	VIC	471862	49674	VIC	416664!	49761S	TROS	471765!	49877	VIC	455073
49592	VIC	473228	49675	VIC	471466!	49767	VIC	7600S	49878	VIC	416666
49598	VIC	417172	49676	VIC	6336S	4976LPD	JN-MN	472234	49879	VIC	416476!
49600	VIC	410825	49678	VIC	6922=	4977	C-R	471442!	4987VJ0	SPG	9316
49601	VIC	471442	49679	VIC	6855N=	49788	VIC	5797	4988	C-R	471442!
49602	VIC	471526!	4968	C-R	471442	4979	C-R	471442!	49881	VIC	415124
496028	WHITE	417316!	49680	VIC	6489	49792	VIC	455249!	49882	VIC	55028
49603	VIC	40769S	49686	VIC	471192	49794	VIC	417171!	49883	VIC	416229
49605	VIC	471281!	49687	VIC	340413	49796	VIC	418028	49884	VIC	417356!
49606	VIC	471785!	49688	VIC	240414	49796	VIC	455137!	49884	VIC	455188
49607	VIC	417487	49689	VIC	340356	49798	VIC	5871	49885	VIC	415058
49607	VIC	417487!	4968SS	JN-MN	340797	497W324	C-R	416339	49888	VIC	417507
49608	VIC	456105	49690	VIC	471224!	497W324	C-R	455031!	49888	VIC	417507!
49609	VIC	471567!	49691	VIC	40183S!	4980	C-R	471442!	49889926	ALLCH	471504

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4988LA JN-MN	471652*	49934 C-R	415021	499W316 C-R	415027	4E15000 HU-WR	471692!
4989 C-R	240119	49934 VIC	5405\$	499W316 C-R	415027!	4E15001 HU-WR	473238
4989 TIMKE	4989	49934M1 C-R	415021*	499W316-M1 C-R	415027!	4E15002 HU-WR	413247!
49891 VIC	416070	49935 C-R	39801	499W316-M1 C-R	415027	4E15003 HU-WR	415449!
49893 VIC	7208S	49936 C-R	455022*	499W320 C-R	416125!*	4E15010 HU-WR	415379
49894 VIC	415394	49936M1 C-R	455022*	499W324 C-R	416339	4E15010 HU-WR	415379!
49896 VIC	415137!	49937 VIC	415351!	499W324 C-R	455031!	4EQB-0644 WHITE	415458!
49896 VIC	418028	49938 C-R	415725!	499W34 C-R	415021	4F1414 CATER	55532=
49899 VIC	55646=	49938K IH	471747!	499W36 C-R	455022*	4F2090 CATER	416364!
498B4 C-R	415035*	49938M1 C-R	415023	499W38 C-R	415023	4F2103 CATER	415938
498BM4 C-R	415035*	49939 C-R	415725!	499W38-M1 C-R	415023	4F2285 CATER	471532
498BM4-T8 C-R	415035	49939 VIC	417541	49KH257 MACK	713750	4F4584 CATER	470954!
498HMS4-T8 C-R	415035!	4993M1 C-R	455019!*	4A-0412 WHITE	417563	4F4780 CATER	415295
498HMS4-T8 C-R	415035	4994 HU-WR	415035	4A143 FAIRB	471571	4F4896 CATER	473232
4990 C-R	471442!	49940 C-R	415725!	4A5X328 FWD	5M466	4F5122 CATER	416476!
4990 TIMKE	4990	49941 C-R	415725!	4AK-084 WHITE	416654	4F549 CATER	411394!
49901 VIC	416892	49941 VIC	417506	4AR72510121 IH	473466	4F6888 CATER	450412
49902 VIC	417518	49943 C-R	415725!	4B-1241 WHITE	471766!	4F7389 CATER	428RR
49904 VIC	6358	49943 VIC	416125!	4B2225 CATER	471137	4F7500 CATER	417525
49905 VIC	6465	49944887 ALLCH	416130!	4B2396 CATER	473460	4F8597 CATER	55532=
49909 VIC	415697!	49947 VIC	6638S	4B2396 WESTR	473460	4F897 CATER	55532=
49909 VIC	455547	49948 VIC	6635S	4B3421 CATER	472572!	4F9172 CATER	6309=
4990B JN-MN	55532=	49949 VIC	417353!	4B3675 CATER	472179	4FD-0644 WHITE	415023
49910 VIC	412473!	4994M1 C-R	415035	4B4371 CATER	415027!	4FE-0644A WHITE	416288!
49911 VIC	416339	4995 C-R	471442	4B4371 CATER	415027	4FE-0936 WHITE	415458!
49911 VIC	455031!	49952 VIC	6754S=	4B4529 CATER	417621!	4FKA-084 WHITE	415001!
49912 VIC	6270	49953 VIC	370002A	4B4865 CATER	473016!	4FKW-084 WHITE	415960
49913 VIC	455402=	49957 C-R	417584	4B4967 CATER	415995!	4FKW-08 WHITE	415960
49915 VIC	416130!	49958 C-R	417584	4B5171 CATER	7208S	4G-0383 WHITE	410102
49916D IH	417351!	49958 VIC	416297	4B5432 CATER	450536	4G-0395 WHITE	470334!
49917 VIC	415058	49958A OSHKO	417247!	4B5432 CATER	471535!	4G-0936 WHITE	50631
4992 C-R	471442!	49959 VIC	471760	4B8024 CATER	417344!	4GCT-0396 WHITE	411500
49920 C-R	3492V	49960 C-R	417584	4B8024 WESTR	417344!	4GCT-0936 WHITE	411500
49920 VIC	456618	49961 VIC	6592S=	4B8396 CATER	415036	4GE-0395A WHITE	415137!
49921 C-R	5665	49962 VIC	471267!	4B9371 CATER	415027!	4GE-0395A WHITE	418028
49922 VIC	55367=	49963 VIC	370002A	4B9371 CATER	415027	4GE-0618 WHITE	417159
49926 VIC	6603*=	49965 C-R	416865!	4B9372 CATER	416339	4GE-0618A WHITE	417159
49927 C-R	39801	49966 C-R	416865!	4B9372 CATER	455031!	4GE-0936 WHITE	412119!
49927 VIC	6245S=	49966 VIC	471763	4BL-0412 WHITE	370036A	4GEO395 WHITE	415137!
49928 C-R	415725!	49967 VIC	327303!	4BL-0412 WHITE	370349A	4GEO395 WHITE	418028
49929 C-R	415725!	49968 VIC	415064	4BL084 WHITE	470059	4GKW-084 WHITE	475348N
4993 C-R	455019!*	49969 VIC	5313\$	4BL084 WHITE	470380!	4GTCO396 WHITE	411500
49931 DANA	100552	4996B JN-MN	471354!*	4BM-0412 WHITE	5751	4H1722 CATER	471281!
499310 C-R	455024*	49971 VIC	415284	4BM-0470 WHITE	473215!	4H1723 CATER	471442!
499310M1 C-R	455024*	49971906 ALLCH	471554!	4BM-084 WHITE	473215!	4H572 CATER	472397!
499312 C-R	415025*	4997LA JN-MN	415138!*	4D1608 CATER	450593!	4H8100 CATER	415458=
499312M1 C-R	417191	49980 C-R	416865!	4D2657 CATER	471267!	4H8101 CATER	415995!
499312M1 C-R	455165!	49981 C-R	416865!	4D3034 CATER	455117	4H9484 CATER	472572!
499314 C-R	455026*	49981 VIC	410987=	4D3587 CATER	416339	4H9836 CATER	473232
499314M1 C-R	455026*	49984 C-R	416865!	4D3587 CATER	455031!	4H9836 WESTR	473232
499316 C-R	415027!	49985 C-R	416865!	4D3881 CATER	456111=	4J2683 CATER	470565!
499316 C-R	415027	49990 C-R	416865	4D6592 CATER	472164!	4J3043 CATER	471466!
499316M1 C-R	415027	49991 C-R	416865=	4D6996 CATER	415227!	4J3923 CATER	471224!
499318 C-R	55028*	49993 VIC	345035	4D6996 CATER	417756	4J4190 CATER	8710=
499318M1 C-R	55028*	49994 HYST	472951	4D8576 CATER	471271!	4J6716 CATER	471539!
49932 C-R	455020	49994 HYST	474252	4DG-0383 WHITE	473367	4J7441 CATER	471413!
49932 VIC	5401\$	49995 C-R	416865!	4DG-0383 WHITE	473367!	4J7557 CATER	471554!
499320 C-R	416125!*	49995 VIC	357302	4DG-0395 WHITE	473449	4J793 CATER	471570!
499322 C-R	55030*	49995 VIC	415991	4DK-0644 WHITE	470088	4J8979 CATER	470625
499322M1 C-R	55030*	49996 VIC	415991	4DKB-0644 WHITE	473238	4J8980 CATER	471504
499324 C-R	416339	49996 VIC	455146!	4E12560 HU-WR	471341!	4J8981 CATER	710015
499324 C-R	455031!	49997 C-R	416865!	4E12564 HU-WR	474278!	4J8982 CATER	710014
499324M1 C-R	416339	49998 C-R	416865!*	4E13392 HU-WR	415294!	4K1372 CATER	471692!
499324M1 C-R	455031!	49998 VIC	417355!	4E13457 HU-WR	416345!	4K4114 CATER	471267!
499326 C-R	455032!*	49998 VIC	485497	4E13457 HU-WR	455033	4K4320 CATER	472020
499328 C-R	416345!	49999 VIC	6643S	4E13759 HU-WR	417343!	4K4376 CATER	476470
499328 C-R	455033	499B4 C-R	415035*	4E13760 HU-WR	415036	4K4390 CATER	411500=
499328M1 C-R	416345!	499BM4 C-R	415035*	4E13872 HU-WR	415991	4K4390 CATER	411500*
499328M1 C-R	455033	499W3 C-R	455019!*	4E13872 HU-WR	455146!	4K4845 CATER	473214!
49933 VIC	5403\$	499W310 C-R	455024*	4E14664 HU-WR	471341!	4K4845 JOHND	473214!
499330 C-R	415034!	499W312 C-R	415025*	4E14766 HU-WR	474278!	4K5076 CATER	470954!
499330M1 C-R	415034!	499W314 C-R	455026*	4E14999 HU-WR	450040	4K5438 CATER	473244!

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
4K5654	CATER	442110=	5-003-087-028	RENAU	712118	50-101-107P	PUL	370006A	50-302218-00	GOETZ	48X68X10
4K7461	CATER	416888!	5-003-087-031	RENAU	712116	50-101-107R	PUL	370012A	50-302248-00	GOETZ	28X42X8
4K7462	CATER	416345!	5-003-087-032	RENAU	712115	50-101-107T	PUL	370019A	50-302294-00	GOETZ	50X72X8
4K7462	CATER	455033	5-3002	IPS	58X72X8	50-101-107U	TRMBL	370021A	50-302323-00	GOETZ	50X80X8
4K7463	CATER	417350!	5-3003	IPS	1195	50-101-107V	PUL	370023A	50-302436-00	GOETZ	55X72X8
4K9610	CATER	415995!	5-3014	IPS	1949	50-101-107W	TRMBL	370030A	50-302481-00	GOETZ	55X85X10
4L4360	CATER	455121	5-3015	IPS	1196	50-101-16	TRMBL	370036A	50-302483-00	GOETZ	55X90X13
4L6942	CATER	471224!	5-3016	IPS	494122	50-101-16	TRMBL	370349A	50-302581-10	GOETZ	80X105X13
4L7019	CATER	501995S!	5-3017	IPS	474134	50-101-16D	TRMBL	370036A	50-302617-00	GOETZ	60X85X8
4L7019	CATER	6863S!	5-3023	IPS	1183	50-101-16D	TRMBL	370349A	50-302643-00	GOETZ	60X90X10
4L7248	CATER	415984!	5-3025	IPS	1188	50-101-23	TRMBL	370036A	50-302666-10	GOETZ	62X85X8
4L7336	CATER	415437	5-3028	IPS	2002	50-101-23	TRMBL	370349A	50-302706-10	GOETZ	64X80X8
4L9021	CATER	351518 *=	5-3029	IPS	1884	50-101-23D	TRMBL	370036A	50-302714-00	GOETZ	65X80X8
4L9822	CATER	476470=	5-3030	IPS	1977	50-101-23D	TRMBL	370349A	50-302727-00	GOETZ	60X75X8
4LD482	WITTE	411245!	5-3031	IPS	1884	50-101-3	TRMBL	370036A	50-302838-00	GOETZ	6X16X7
4M2343	CATER	470774!	5-3036	IPS	1999	50-101-3	TRMBL	370349A	50-302863-00	GOETZ	70X110X10
4M2444	CATER	415213N	5-3038	IPS	472213	50-101-54	TRMBL	370065A	50-302869-00	GOETZ	72X90X10
4M5229	CATER	470565=	5-3039	IPS	223535	50-101-54	TRMBL	376590A	50-302907-00	GOETZ	75X90X8
4M9148	CATER	471766!	5-3041	IPS	1992	50-101-80A	TRMBL	416158	50-302915-00	GOETZ	75X95X10
4M9149	CATER	473229	5-3045	IPS	1192	50-101-80B	TRMBL	416158	50-302928-00	GOETZ	55X70X8
4N0636	CATER	471224!	5-3047	IPS	1952	50-101-80C	TRMBL	416158	50-302960-00	GOETZ	75X105X13
4N0848	CATER	J1842	5-3048	IPS	1943	50-101-80D	TRMBL	416158	50-303038-00	GOETZ	80X110X10
4N1584	CATER	471649!	5-3092	IPS	224015	50-101-80F	TRMBL	416158	50-303065-00	GOETZ	82X105X13
4N636	CATER	471224!	5-3093	IPS	1950	50-101-94	TRMBL	416158	50-303096-00	GOETZ	55X75X10
4N848	CATER	J1842	5-3099	IPS	480630!	50-101-95	PUL	370037A	50-303114-00	GOETZ	85X115X13
4NFG-0395	WHITE	415001!	5-3100	IPS	1195	50-101-96	TRMBL	416158	50-303148-00	GOETZ	90X110X12
4NFG-0395A	WHITE	415001!	5-3103	IPS	1165	50-101-C	TRMBL	416158	50-303158-00	GOETZ	85X105X13
4NK-0730	WHITE	470530!	5-3104	IPS	1195	50-101B	TRMBL	416158	50-303204-00	GOETZ	95X115X12
4NK-084	WHITE	415960!	5-3108	IPS	1967	50-300035-00	GOETZ	7X16X7	50-303208-00	GOETZ	95X120X12
4P1142	ADAMS	416921!	5-3109	IPS	1209	50-300076-00	GOETZ	102X130X13	50-303253-00	GOETZ	100X120X10
4P1355	ADAMS	471137	5-3111	IPS	1984	50-300174-10	GOETZ	48X65X10	50-303290-00	GOETZ	100X130X12
4P1355	WABCO	471137	5-3113	IPS	482126	50-300249-00	GOETZ	12X32X7	50-303370-00	GOETZ	10X19X7
4P1569	ADAMS	450593!	5-3116	IPS	444116	50-300266-00	GOETZ	13X22X6	50-303449-00	GOETZ	120X150X12
4P1569	LETN	450593!	5-3127	IPS	225540	50-300288-00	GOETZ	14X24X7	50-303464-00	GOETZ	120X160X12
4P2524	ADAMS	471744!	5-3142	IPS	5696	50-300324-00	GOETZ	15X24X7	50-303477-00	GOETZ	125X150X12
4P2524	LETN	471744!	5-4004	IPS	1962	50-300354-00	GOETZ	15X30X7	50-303483-00	GOETZ	70X90X10
4P2524	WABCO	471744!	5-4009	IPS	472164!	50-300445-00	GOETZ	16X35X7	50-303495-00	GOETZ	45X85X10
4P2723	CATER	39887	5-4014	IPS	473812	50-300469-00	GOETZ	17X28X7	50-303571-00	GOETZ	140X160X12
4P2734	CATER	39888	5-4015	IPS	473179!	50-300513-00	GOETZ	17X40X7	50-303572-00	GOETZ	140X160X13
4R15788	C-R	5778	5-4030	IPS	334111	50-300535-00	GOETZ	18X30X7	50-303596-10	GOETZ	145X170X12
4R1978	GMC	415683	5-4032	IPS	1167	50-300560-00	GOETZ	19X32X7	50-303642-00	GOETZ	17X35X7
4R26	CATER	416273!	5-4033	IPS	1128	50-300623-00	GOETZ	20X32X7	50-303686-00	GOETZ	170X200X15
4R32	CATER	415379!	5-4036	IPS	223014	50-300633-00	GOETZ	20X35X7	50-303719-00	GOETZ	190X220X16
4R32	CATER	415379!	5-4041	IPS	473823	50-300655-10	GOETZ	20X37X7	50-303782-00	GOETZ	240X270X15
4R35	CATER	415389=	5-4044	IPS	3395!	50-300693-10	GOETZ	40X55X8	50-303829-00	GOETZ	45X60X7
4R526	CATER	471554!	5-4047	IPS	494117	50-300698-00	GOETZ	20X47X7	50-303903-00	GOETZ	150X180X12
4R8831	CATER	39882	5-4056	IPS	494117	50-300749-00	GOETZ	22X35X7	50-303991-00	GOETZ	30X42X7
4R9	CATER	416257H=	5-4064	IPS	473234!	50-300804-10	GOETZ	12X25X7	50-304033-00	GOETZ	8X16X7
4S6752	CATER	2791	5-4087	IPS	1906	50-300933-00	GOETZ	25X42X6	50-304101-00	GOETZ	27X37X7
4S7756	CATER	471442!	5-4093	IPS	224015	50-300995-00	GOETZ	25X52X10	50-304115-00	GOETZ	95X110X10
4S9006	CATER	473238	5-4099	IPS	1960	50-301064-00	GOETZ	8X14X4 *	50-304126-00	GOETZ	38X55X7 *
4SC28CR	DEMPC	340927	5-4100	IPS	1956	50-301078-00	GOETZ	28X40X7	50-304140-00	GOETZ	160X190X15
4SK-0730	WHITE	472636!	5-4101	IPS	1959	50-301120-00	GOETZ	28X52X7	50-304240-00	GOETZ	40X58X8
4SK-08	WHITE	416654	5-4122	IPS	1962	50-301196-00	GOETZ	30X47X7	50-304251-10	GOETZ	85X105X10
4SK-084	WHITE	416654	5-4128	IPS	473238!	50-301320-00	GOETZ	32X45X7	50-304279-00	GOETZ	55X80X8
4TCP-084	WHITE	416282	5-4129	IPS	473238!	50-301349-00	GOETZ	32X52X7	50-304334-00	GOETZ	65X90X13
4U-01430	WHITE	416654	5-X265	ROCKW	5M497	50-301398-00	GOETZ	28X47X7	50-304370-00	GOETZ	58X75X11
4UG-0730	WHITE	471141!	5-X328	KEN	5M466	50-301534-00	GOETZ	35X56X10	50-304381-00	GOETZ	100X125X12
4UG-084	WHITE	417487!	5-X328	ROCKW	5M466	50-301538-00	GOETZ	35X58X10 *	50-304413-00	GOETZ	58X80X8
4UG-084	WHITE	417487	50-101-107A	TRMBL	370036A	50-301640-00	GOETZ	38X50X7	50-304478-00	GOETZ	40X55X6
4UK-084	WHITE	415960!	50-101-107B	PUL	370065A	50-301647-00	GOETZ	38X52X7	50-304488-00	GOETZ	25X52X7
4W0452	CATER	39885	50-101-107C	PUL	370338A	50-301696-00	GOETZ	30X45X8	50-304514-00	GOETZ	12X28X7
4W2606	CATER	39900	50-101-107D	PUL	376590A	50-301783-00	GOETZ	40X56X10	50-304524-00	GOETZ	110X130X12
4W2607	CATER	39899	50-101-107E	PUL	370003A	50-301814-00	GOETZ	40X62X12	50-304592-00	GOETZ	50X65X8
4W8133	CATER	39890	50-101-107F	PUL	370007A	50-301835-10	GOETZ	40X65X10	50-304604-00	GOETZ	40X90X8 *
4W8134	CATER	39889	50-101-107G	PUL	418028	50-301860-00	GOETZ	40X80X10 *	50-304714-00	GOETZ	90X120X12
4X5763	CATER	455191	50-101-107H	PUL	370020A	50-301891-00	GOETZ	42X55X7	50-304747-00	GOETZ	15X35X7
4ZDK-0395	WHITE	472924!	50-101-107J	PUL	416892	50-301952-00	GOETZ	42X72X10	50-304820-00	GOETZ	12X30X7
5-000-684-699	RENAU	712113	50-101-107K	PUL	370015A	50-302034-00	GOETZ	20X40X10	50-304838-00	GOETZ	150X180X15
5-000-684-700	RENAU	712112	50-101-107L	PUL	370107A	50-302084-00	GOETZ	45X65X8	50-304879-00	GOETZ	75X100X10
5-003-087-026	RENAU	712114	50-101-107M	PUL	370349A	50-302158-00	GOETZ	46X65X7 *	50-304883-00	GOETZ	40X60X10
5-003-087-027	RENAU	712119	50-101-107N	PUL	370001A	50-302183-00	GOETZ	145X175X15	50-304890-00	GOETZ	16X30X7

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
50-305087-00	GOETZ	68X90X10	50-S476 LETN		471344	500097 C-R		481537	500223 FT-WA		471103!
50-305099-00	GOETZ	60X80X8	500 UNIVE		416865!	5000978A WHITE	J1138		500226 C-R		471765
50-305247-00	GOETZ	8X14X4	5000 TIMKE		5000	500098 C-R		471137	500226 GMC		470954!
50-305276-00	GOETZ	52X68X8	50000 C-R		416865!	50009S SPG		471466!	500227 C-R		471413
50-305461-00	GOETZ	40X62X7	50000 CHRYSS		471466!	5001 C-R	1041		500228 C-R		471750
50-305478-00	GOETZ	148X170X15	500007 C-R		473234!	5001 TIMKE	5001		500229 C-R		471750
50-305521-00	GOETZ	50X90X10	500007 CHRYSS		471466!	5001011 WHITE	415053H=		50023 SPG		471255!
50-305535-00	GOETZ	85X110X12	500007 GMC		471466!	500117701 WHITE		471570!	500230 C-R		471766!
50-305538-00	GOETZ	32X47X7	50001 C-R		416865!	5001177B WHITE		471570!	500232 C-R		473214
50-305650-00	GOETZ	12X22X7	500010 C-R	240462		500118001 WHITE		472164!	500233 C-R	204013	
50-305827-00	GOETZ	30X50X8	500010901 EATON		411245!	5001180B WHITE		472164!	500234 C-R		470380!
50-305940-50	GOETZ	28X38X7	500010901 Y-T		411245!	500118100 EATON	8636=		500237 C-R		472299
50-305948-00	GOETZ	40X58X10	500010902 EATON		472439	500122 GMC	5877		500238 CHRYSS		471737
50-306056-00	GOETZ	45X60X10	500010902 Y-T		472439	500131 C-R		471267!	500238 CHRYSS	455192!	
50-306111-00	GOETZ	65X85X8	500011 C-R		457291	500134 C-R		472560N!	500239 C-R		472185!
50-306126-00	GOETZ	8X18X5	500012 CONTI		471554!	500134 SELAS	5118		50023S SPG		471255!
50-306195-00	GOETZ	25X42X8	500017 C-R		471413	500135 C-R		471498	500241 C-R	6930	
50-306228-00	GOETZ	65X85X10	50002 C-R		416865!	500135 MACK		472016	500241 CHRYSS		471567!
50-306264-00	GOETZ	35X52X7	500022 C-R	40401		500136 C-R		471649!	500241 CONTI		471567!
50-306315-00	GOETZ	42X56X7	500022 GMC		471689!	5001363A WHITE	J1103		50025 C-R		416865!
50-306364-00	GOETZ	40X52X7	500024 C-R		471224!	5001377A WHITE	J1107		50025 SPG		471553!
50-306371-70	GOETZ	25X62X10	500025 C-R		476838!	50014 SPG		471472!	500250 C-R	46997S	
50-306386-00	GOETZ	110X150X12!	500026 BL-KN		472560N!	500142 C-R		470712	500251 C-R		415960
50-306386-00	GOETZ	110X150X15	500026901 WHITE	J1127		500143 CHRYSS		472636!	500253 C-R		418029!
50-306429-00	GOETZ	42X60X7	500029 C-R		471554!	500144 SELAS	5117		500254 ALLCH		473464!
50-306498-00	GOETZ	10X26X7	50003 C-R		416865!	500145 C-R		470774!	500254 ALLCH		473464
50-306503-00	GOETZ	6X16X7	50003 SPG		474277	500148 C-R		471192	500254 C-R		471511
50-306510-00	GOETZ	20X30X7	500033 C-R		474278!	50014S SPG		471472!	500255 C-R		416888!
50-306512-00	GOETZ	25X47X7	500034 C-R		417344!	50015 GEM		472164!	500256 C-R		415988
50-306515-00	GOETZ	35X62X7	500039 NAPCO	450073		500151 CONTI		412119!	500257 GMC	5070	
50-306521-50	GOETZ	30X52X7	500040 C-R	50468		500152 C-R		471504!	500259 C-R		40769S
50-306542-50	GOETZ	42X58X7	500042 C-R	50191		500159 C-R	40369S		50025S SPG		471553!
50-306554-00	GOETZ	45X72X12	500046 GMC		472258	50015A GEM		472492!	50026 TIMKE	50026	
50-306609-50	GOETZ	26X37X7	500046 OLIVE		472258	500163 C-R		473234	500262 CHRYSS		417196!
50-306756-00	GOETZ	22X45X7	500046 WHITE		472258	500164 C-R		472492!	500263 GMC		415379!
50-306762-00	GOETZ	16X24X5	500047 C-R		470774!	500168 C-R		470898	500263 GMC		415379
50-306821-70	GOETZ	42X55X8	500048 C-R		473215!	500169 C-R		471341!	500263 MASSE		415379!
50-307047-70	GOETZ	35X47X7	500048 CHRYSS		471192	500169E OLIVE	204002		500263 MASSE		415379
50-307065-70	GOETZ	115X140X12	500048 CONTI		471192	500169E WHITE	204002		500265 C-R		415960
50-319004-00	GOETZ	35X72X10	500050101 WHITE	J1121		50017 HYST		473405	500265 C-R		415960!
50-319033-00	GOETZ	25X40X7	500055 C-R		474278!	500170 SELAS	5116		50027 SPG		471554!
50-319078-00	GOETZ	35X50X7*	500056 C-R	205004		500175 C-R		470605!	500272 C-R		472951
50-319078-00	GOETZ	35X50X8	500057 C-R		471766!	500176 C-R		410708	500272 C-R		474252
50-319142-00	GOETZ	48X62X8	500061 B-L-H		473228	500176 OLIVE		416654!	500274 C-R		474279N
50-319155-00	GOETZ	35X48X8	500063 ALLCH		410190	500178E WHITE	204027		500274 GMC		415045!
50-319164-00	GOETZ	55X68X8	500064 C-R	470059		500179 C-R		410825	500277 C-R	6270	
50-319166-00	GOETZ	35X45X7	500064 C-R		470380	5001824C HERCU	471781N=		500278 C-R	5751	
50-319168-00	GOETZ	30X48X8	500067 C-R		415984!	500184 C-R		415995!	50027S SPG		471554!
50-319197-00	GOETZ	100X120X12	50006901 WHITE	J1127		500185 C-R		416654	500280 C-R		50883=
50-319217-00	GOETZ	48X72X7	50007 SPG		471281!	500188905 EATON		471466!	500282 CHRYSS		416865!
50-319223-00	GOETZ	45X62X8	500073 C-R	410059		500189 C-R		471355!	500282 GMC		416865!
50-319227-00	GOETZ	130X160X15	500073 C-R		470380!	50019 SPG		471549!	500284 C-R		471466
50-319229-00	GOETZ	120X140X13	500075 C-R		472179	500190 C-R		471967!	500286 C-R	340724!	
50-319231-00	GOETZ	105X130X12	500077 C-R		455191	500191 C-R	455024		500286 CHRYSS		471765!
50-319234-00	GOETZ	42X62X8	500079 C-R		471785	500194 C-R		415138!	500286 CONTI		471765!
50-319248-00	GOETZ	40X62X8	50007S SPG		471281!	500198 C-R	204008		500287 CEMAC		470530!
50-319261-00	GOETZ	50X70X9	50008 SPG		471532	50019S SPG		471549!	500288 C-R		471442
50-319275-00	GOETZ	30X40X7	500081 C-R		473367!	500208 BOWEN		417546!	50029 SPG		481568!
50-319280-00	GOETZ	130X160X12	500081 C-R		473367	500209 C-R		472705!	500291 C-R		481073
50-319281-00	GOETZ	56X80X8	500086 C-R		473517!	50021 SPG		471551!	500292 C-R		471553!
50-319289-00	GOETZ	32X50X8	5000876C WHITE		473214!	500210 C-R		471532	500297 C-R		471567!
50-319292-00	GOETZ	28X40X8	500089401 WHITE		473464	500212 C-R		471567!	500298 C-R		471498
50-319296-00	GOETZ	80X100X10	5000894B WHITE		473464	500213 NAPCO		416404!	500298 NAPCO		415437!
50-319297-00	GOETZ	120X145X12	50008S SPG		471532	500215 C-R		471647	500298 NAPCO		415437
50-319303-00	GOETZ	35X54X8	50009 SPG		471466!	500216 C-R		450039	5003 C-R		455019!
50-319304-00	GOETZ	110X140X13	500090 NAPCO		471224!	500218 C-R		471224	5003 FAIRB		455019!
50-319313-00	GOETZ	8X16X7*	500091 C-R	351487		50021S SPG		471551!	50030 SPG		474253
50-319321-00	GOETZ	18X32X7	500093 C-R		415196!	500221 C-R	203005!		50030007.5 TROS		455019!
50-319327-00	GOETZ	45X68X7*	5000938A WHITE	J1128		500222 C-R		471652	50030807.5 TROS		415021
50-319328-00	GOETZ	25X35X7	500094 C-R		416130!	500222 C-R	482208!		50030S SPG		474253
50-S350 LETN		413247!	500094 WHITE		471141!	500223 C-R		471652	50031 SPG		473413
50-S441 LETN		471341!	500095 C-R	240319		500223 C-R	482208!		500310 C-R		471689!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
500310	GOODM	455024	50033S	SPG	450033	50041	SPG	450593!	50055	SPG	473215!
500310K	GOODM	455024	50034	C-R	415021	500411	C-R	470565!	500550	C-R	6245S=
500310M1	C-R	455024	50034	SPG	474273	500416	C-R	410987!	500557	C-R	203008
500312	C-R	415025	50034007.5	TROS	370011A	500416	C-R	450686	50055S	SPG	473215!
500312	GR-DV	415025	50034011.5	TROS	416125!	50041S	SPG	450593!	500561	C-R	100495
50031207.5	TROS	370012A	500343	C-R	471750	500420	C-R	100495	500561	C-R	417349
500312M1	C-R	415025	500344	C-R	471766!	500420	C-R	417349	500562	C-R	417344!
500314	C-R	455026	50034407.5	TROS	55030	500423	C-R	415995!	500563	C-R	417485
500315	C-R	471760	500346	C-R	471766!	500423	C-R	415995!	500565	C-R	417158!
500316	B-L-H	415027!	50034807.5	TROS	416339	500424	C-R	415085!	500567	C-R	415995
500316	B-L-H	415027	50034807.5	TROS	455031!	500424	C-R	456648	500567	C-R	415995!
500316	C-R	415027!	50034810	TROS	416339	500428	C-R	471341!	50057	SPG	473225!
500316	C-R	415027	50034810	TROS	455031!	50043	SPG	473419	500570	C-R	417134
500316	CABOT	415027!	500349	C-R	7686S	500433	C-R	472157	500576	C-R	415991!
500316	CABOT	415027	50034M1	C-R	415021	500433	C-R	472157!	500576	C-R	415991
500316	GOODM	415027	50035	CLARK	470898!	500437	C-R	472439	500577	C-R	415437
500316	GOODM	415027!	500350	C-R	450165	50043S	SPG	473419	50057S	SPG	473225!
50031607.5	TROS	415034!	500350	C-R	471801	50044	C-R	455134!	500580	C-R	455134!
500316M1	C-R	415027!	500351	C-R	6370N	50044	SPG	450044	500582	C-R	472157
500316M1	C-R	415027	500352	C-R	473423	500441	C-R	204017	500582	C-R	472157!
500316TB	C-R	415027	500354	C-R	472826!	500442	C-R	473235	500585	C-R	455037
500316TB	C-R	415027!	500356	C-R	472354!	500443	C-R	450412	500586	C-R	455037
500318	C-R	55028	50035607.5	TROS	416345!	500446	C-R	9613S	500589	C-R	416888!
500318M1	C-R	55028	50035607.5	TROS	455033	500448	C-R	416239!	50059	SPG	470059
500319	C-R	480210!	500357	C-R	472258	50044M1	C-R	455134!	50059	SPG	470380!
50032	C-R	455020	500359	C-R	473215!	50045	SPG	476838!	500590	C-R	416888!
50032	NOVI	330385!	50036	C-R	455022	50045S	SPG	476838!	500591	C-R	370023A
50032	SPG	471570!	50036	SPG	473415	50046	C-R	415295	500594	C-R	415371
500320	C-R	416125!	50036007.5	TROS	415034!	50046M1	C-R	415295	500595	C-R	415138!
500320	HU-WR	416125!	5003600X01	WHITE	470380!	50047	SPG	473426	500596	C-R	370036A
500320	MINMA	416125!	500362	C-R	470950!	500474	C-R	6489	500596	C-R	370349A
50032007.5	TROS	455024	500362	C-R	6241S	500475	C-R	473445	500597	C-R	45637S
500320M1	C-R	416125!	500363	C-R	470950!	500476	C-R	471766!	500598	C-R	415058
500321	C-R	471762!	500363	C-R	6241S	50047S	SPG	473426	500599	C-R	415060
500321	NOVI	330385	500364	C-R	6952S=	50048	SPG	450048	500599	C-R	455060
500322	C-R	473420	500365	C-R	7245	500480	C-R	50199S	50059S	SPG	470059
500323	C-R	471652	500366	C-R	473016!	500480	C-R	6863S!	50059S	SPG	470380!
500323	C-R	482208!	500367	C-R	473225!	500482	C-R	412920!	50060	GARLK	471442!
500324	C-R	416339	500368	C-R	473226	500483	C-R	370030A	500600	C-R	415064
500324	C-R	455031!	50037	SPG	471137	500484	C-R	417538	500600	UNIVE	415725!
500324	GOODM	416339	500371	C-R	481163!	500485	GMC	450173	500601	C-R	417269!
500324	GOODM	455031!	500372	C-R	470625!	50049	SPG	471750!	500602	C-R	417273
500324	GR-DV	416339	500373	C-R	470625!	500495	C-R	471870!	500603	C-R	416865!
500324	GR-DV	455031!	500374	C-R	472185!	500496	C-R	471264!	500604	C-R	417262!
50032407.5	TROS	415025	500375	C-R	472439	500498	C-R	330385!	500605	C-R	414045!
500325	C-R	471652	500376	C-R	450474	50049S	SPG	471750!	500607	C-R	416107!
500325	C-R	482208!	500377	SELAS	5127	5004M1	C-R	415035!	500607	C-R	455073
500325	NOVI	240385	50038	C-R	415023	5004M1	C-R	415035	500608	C-R	7378
500326	C-R	455032!	50038	GR-DV	415023	5004T8	C-R	415035	50061	SPG	470950!
500326	NOVI	472810!	50038	SPG	450038	5004T8	C-R	415035!	500611	SPG	6241S
500327	C-R	471692!	500380	C-R	412119!	5005	C-R	471442!	500611	C-R	416229
500327	NOVI	350936	500384	C-R	415995!	500500	C-R	471442!	500613	C-R	416239!
500328	B-L-H	416345!	500385	C-R	416345!	500503	C-R	470954	500616	C-R	415379
500328	B-L-H	455033	500385	C-R	455033	500507	C-R	472311!	50061S	SPG	470950!
500328	C-R	416345!	50038M1	C-R	471255	500508	C-R	451583!	50061S	SPG	6241S
500328	C-R	455033	50039	SPG	450039	500509902	EATON	417082	50062	SPG	474264
500328	FAIRB	416345!	500390	C-R	471224!	500510	C-R	472560N	500625	FAIRB	416865!
500328	FAIRB	455033	500391	C-R	471224!	500514	C-R	471737=	500625	UNIVE	416865!
500328M1	C-R	416345!	500394	C-R	204008	500517	C-R	471766!	500628	C-R	470898
500328M1	C-R	455033	500396	C-R	473228!	500519	C-R	473227	500629	C-R	473467!
50032M1	C-R	455020	500397	C-R	473234!	50052	SPG	471354!	50062S	SPG	474264
50032S	SPG	471570!	50039S	SPG	450039	500520	C-R	473227	50063	C-R	416865!
50033	SPG	450033	5003M1	C-R	455019!	500527	C-R	471141!	50063	SPG	471820
500330	C-R	415034!	5004	C-R	415035!	50052S	SPG	471354!	500630	C-R	471272!
500330M1	C-R	415034!	5004	C-R	415035	500530	C-R	473197	500631	C-R	451143
500331	C-R	204020	50040	SPG	450040	500535	C-R	455129	500633	C-R	415899N
500331	C-R	204505!	50040007.5	TROS	415035	500537	C-R	455297	500633	C-R	416624
50033207.5	TROS	415027	500401	C-R	473459!	500539	C-R	6064	500634	C-R	410708
500333	C-R	470712	500401	C-R	473459	50054	SPG	450054	500636	C-R	415991
500334	C-R	470712	500403	C-R	41013S	500541	C-R	41081S=	500636	C-R	455146!
50033607.5	TROS	55028	500407	C-R	410308!	500543	C-R	6985	500637	C-R	416664!
50033608	TROS	55028	50040S	SPG	450040	500545	C-R	6952S=	500639	C-R	417484!

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
50063S	SPG	471820	500736	CEMAC	473367	500866	C-R	40101S	500W4	C-R	415035!
50064	SPG	471821!	500739	C-R	415991	500867	C-R	412871!	500W4	C-R	415035
500640	SELAS	5108	500739	C-R	455146!	50087	SPG	473313	500W4-M1	C-R	415035
500642	C-R	417343!	50073S	SPG	450073	500870	C-R	415458!	500W4-M1	C-R	415035!
500644	C-R	417344!	500741	C-R	415991	500872	C-R	411348!	5010	C-R	471442
500645	C-R	417316!	500741	C-R	455146!	500873	C-R	412473!	50100	C-R	416865!*
500647	C-R	415007	500742	C-R	415379!	500879	C-R	203013	50100	SPG	410694!
500648	C-R	415960!	500742	C-R	415379	50087S	SPG	473313	50100S	C-R	415995!
500649	C-R	455008	500743	C-R	415437!	50088	SPG	470088	50100S	SPG	410694!
50064M1	C-R	415295	500743	C-R	415437	500883	C-R	240414	50101	SPG	412119!
50064S	SPG	471821!	500746	C-R	415023	500885	C-R	415234!	5010107A	PUL	370036A
50065	C-R	416865*	500749	C-R	55030	500887	C-R	470806	5010107U	PUL	370021A
50065	SPG	450065	500750	C-R	370002A	50088S	SPG	470088	5010107W	PUL	370030A
500650	UNIVE	417541	500751	C-R	415697!	50089	SPG	450089	501011	C-R	471689!
500651	C-R	455008	500751	C-R	455547	500890	C-R	55692=	501016	C-R	455121
500652	C-R	415960!	500755	OLIVE	471442!	500893	C-R	7457N	50101S	SPG	412119!
500653	C-R	455280	50076	SPG	470334!	500894	CHRY	471141!	50102	SPG	410102
500656	C-R	417621!	500768	C-R	450467	5009	NATL	471141!	501023	C-R	471787
500659	C-R	476470!	500769	C-R	416444	50090	SPG	450090	501026	C-R	472924!
500659	C-R	476470	50076S	SPG	470334!	500906	C-R	417600	501027	C-R	473367!
50065S	SPG	450065	50077	SPG	474281!	500907	C-R	417507	501027	C-R	473367
50066	SPG	473367	500771	C-R	474276!	500907	C-R	417507!	501028	MAGNA	471255!
50066	SPG	473367!	5007738	EATON	6792=	500908	C-R	417509	50102S	SPG	410102
500662	C-R	412473!	500778	WHITE	470950!	500909	C-R	455203	50103	SPG	410987!
500663	C-R	471192	500778	WHITE	6241S	50092	SPG	473458!	501030	C-R	415021
500669	C-R	415995!	500779	C-R	410694!	500920	C-R	416167!	501032	C-R	455290
50066S	SPG	473367!	50077S	SPG	474281!	500921	C-R	415725!	501033	C-R	473426
50066S	SPG	473367	50078	SPG	473444	500922	C-R	417278	50103S	SPG	410987!
50067	SPG	473228	500781	C-R	415001!	500923	C-R	417262!	501041	C-R	471224!
500675	WHITE	470334!	500783	CONTI	455024	500927	C-R	416271!	50105	C-R	416865!*
500675	WHITE	50289	500787	C-R	471705!	50092S	SPG	473458!	50105	NATL	414045!
50067S	SPG	473228	500788	C-R	6832S	500930	C-R	417541	50107	SPG	473471
50068	IRON	471192	50078S	SPG	473444	500931	C-R	417546!	501080	C-R	472560N
50068	SPG	450068	500790	C-R	471760	500932	C-R	417556	501083	C-R	415991
500680	C-R	417343!	500799	WHITE	455005	500934	C-R	455117	501083	C-R	415991!
500680	WHITE	416125!	5008	C-R	324234V	500936	C-R	415551	501096	C-R	472164
500683	WHITE	473460	500801	C-R	417563	50094	SPG	473462	5010B	JN-MN	470088*
500687	C-R	416125!	500806	C-R	450269	500944	C-R	470590	5011	C-R	471442!
50069	IRON	473197	50081	GARLK	471472!	50095	C-R	416865!*	501103S	WOOL	455480!
50069	SPG	473232	50081	TIMKE	50081	50095	SPG	473464!	501109	C-R	473229
500690E	OLIVE	471424!	500810	C-R	471651	50095	SPG	473464	50110S	TROS	6754S=
500690E	WHITE	471424!	500811	C-R	415027*	500952	C-R	476470	50111	SPG	450111
500693	C-R	417353!	500817	C-R	483054N	500952	C-R	476470!	501116	C-R	6090S
500697	C-R	417134	50082	SPG	473238	500958	C-R	480210!	501120	C-R	471442!
50069S	SPG	473232	50082S	C-R	417520	50095S	SPG	473464!	50113	TROS	417353!
50070	C-R	204509!	500828	C-R	455197N	50095S	SPG	473464	501141	C-R	417597
50070	IRON	473215!	500829	C-R	415295	50096	SPG	416738!	50115	ESSIC	471341!
50070	SPG	472185!	50082S	SPG	473238	50096	SPG	450096	50115	SPG	473467
500700	C-R	6754S=	50083	SPG	472924!	500960	C-R	472185!	50115S	SPG	473467
500701	C-R	415196!	500831	C-R	415021	500966	C-R	470605!	50116	SPG	473450
500702	C-R	416137	500832	C-R	455197N	500967	C-R	471344	50116S	SPG	473450
500705	C-R	417538	500836	C-R	55199=	50096S	SPG	416738!	50117	SPG	472572!
500706	C-R	417247!	500839	C-R	6863S!	50096S	SPG	450096	501177	C-R	340771
500707	C-R	416167!	50083S	SPG	472924!	50097	SPG	413469!	501178	C-R	240731
500708	C-R	417267	50084	SPG	450084!	500976	C-R	240319	50117S	SPG	472572!
50070S	SPG	472185!	500844	C-R	471647	500978	C-R	473313	50118	SPG	473449
50071	SPG	472439	500845	C-R	472951	50097S	SPG	413469!	501180	C-R	471413
500710	C-R	415645!	500845	C-R	474252	50098	SPG	412943	501181	C-R	7886S
500710	C-R	455104	500846	C-R	323138!	500981	C-R	416332!	501182	C-R	353120
500711	C-R	417556	500847	C-R	472475	50098S	SPG	412943	501183	C-R	330385
500713	C-R	417563	50084S	SPG	450084!	50099	SPG	411253!	501184	C-R	3103!
500715	C-R	455117	50085	SPG	470530!	500997	C-R	471887	50118S	SPG	473449
500717	C-R	417598	500850	C-R	471766!	500999	C-R	417492	50119	SPG	471442!
500718	C-R	417602!	500853	C-R	471829	50099S	SPG	411253!	501191	C-R	472354!
50071S	SPG	472439	500854	C-R	471344	500BM4	C-R	415035*	501192	C-R	240356
50072	GARLK	471526!	500855	C-R	471829	500F38	C-R	415023	501196	SELAS	2146
500725	CEMAC	476470	500857	C-R	7107A=	500F4	C-R	415035	501197	C-R	470954!
500728	CEMAC	472924!	50085S	SPG	470530!	500FM4	C-R	415035	501197	SELAS	2146
50073	SPG	450073	500861	C-R	451948	500GF312	C-R	415025	50119S	SPG	471442!
500731	C-R	472299	500863	C-R	6547	500HL38	C-R	418028	5011LA	JN-MN	417621!
500735	CEMAC	471192	500865	C-R	473464!	500W324	C-R	416339	5011LUP	JN-MN	417621!
500736	CEMAC	473367!	500865	C-R	473464	500W324	C-R	455031!	50120	SPG	471224!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
501201	C-R	441130	50147	SPG	450147	501669	C-R	456618	501796	C-R	416271!
501203	C-R	5957S	50148	C-R	417541	50167	C-R	8126S	501799	C-R	415995!
501204	C-R	470898!	50148	NATL	473463	501671	C-R	472185!	50180	C-R	417543
501209	C-R	6532S=	50149	SPG	40769S	501673	C-R	470712!	501802	C-R	415027
50120S	SPG	471224!	501493	ALLCH	473215!	501675	C-R	345146	501802	C-R	415027!
50121	SPG	472409!	501499	C-R	240435	501678	C-R	417357	501803	C-R	455189
501213	C-R	8792S	5015	TIMKE	5015	501678	C-R	455192!	501805	C-R	455583N!
501219	C-R	340413	50150	C-R	417541	501679	C-R	455194	501807	C-R	471442!
50121S	SPG	472409!	50150	SPG	471750!	50168	C-R	417542	501808	C-R	471551!
501222	C-R	42260S	501500	C-R	240698	50168	DANA	4525V	501811E	MINNM	471887
501223	C-R	311189	501507	C-R	412119!	501683	C-R	472924!	501811E	OLIVE	471887
501229	C-R	254270	50151	SPG	472560N!	501685	C-R	340771	501815	C-R	473227!
501233	C-R	7018N=	50151S	TIMKE	472560N	501686	C-R	451583!	501817	C-R	470625!
501239	C-R	415035	50152	SPG	473205	501687	C-R	471564	501817902	EATON	40085S
501239	C-R	415035!	501536	C-R	240816	501689	C-R	451583!	501818	C-R	470059
50124	C-R	380069A	501537	C-R	240735	50169	SPG	473214	501818	C-R	470380!
50124	C-R	416865	501538	C-R	5976S	501690	C-R	480210!	50182	SPG	471747!
501243	C-R	471554	50154	SPG	473234	501690911AM	CHALL	471272!	501820	C-R	410059
501244	C-R	240027=	50154S	SPG	473234	501690993	CHALL	415303!	501820	C-R	470380!
50126	TIMKE	50126	50155	C-R	417541	501691	C-R	50209	5018200	CALI	471223
501260	C-R	3103!	50155	SPG	473447	501695	C-R	471705!	501821	C-R	473228
501263	C-R	5951	501554	C-R	240733	501697	C-R	471787	501824	C-R	472924!
501266	C-R	350936	501557	C-R	7014S	501699	C-R	40169S	50182S	SPG	471747!
501281	C-R	470409!	50155S	SPG	473447	50169S	SPG	473214	50183	ESSIC	472179
501281	C-R	50409	50156	NATL	350156	5016LA	JN-MN	416891!*	50183	SPG	472179
50129	SPG	450129	50156	NATL	473096	50170	C-R	417542	501831	C-R	415995!
50129	SPG	472826!	501573	C-R	340724!	501700	C-R	7886S	501833	C-R	415991
501296	C-R	240119	501579	C-R	40286	501705	C-R	470898	501833	C-R	455146!
50129S	SPG	450129	50158	SPG	471762!	501706	C-R	203034	501834	C-R	416024
50129S	SPG	472826!	501580	C-R	340136	501709	C-R	442380	501835	C-R	45031S
50130	C-R	417278	501582	C-R	6241S	50171	SPG	473016!	501837	C-R	415036
501312	C-R	340853	501585	C-R	40566S	501714	C-R	416921!	501838	C-R	417621!
50132	C-R	417278	501586	C-R	40071S	501718	C-R	471255!	501839	C-R	412473!
50132	SPG	412920!	50158S	SPG	471762!	50171S	SPG	473016!	50183S	SPG	472179
50132S	SPG	412920!	50159	SPG	450159	50172	C-R	417542!	50184	SPG	471571
50133	C-R	417278	50160	SPG	471763!	501722	C-R	416476!	501840	C-R	470059
50133	SPG	450133	501602	C-R	470334!	501723	C-R	416865!	501840	C-R	470380!
501332	C-R	473367!	501607	C-R	471272!	501724	C-R	415066	501841	C-R	470354
501332	C-R	473367	501608	C-R	473464!	501725	C-R	417536	501842	C-R	470354
501333	C-R	5458	501608	C-R	473464	501726	C-R	45637S	501843	C-R	415437
50133S	SPG	450133	50160S	SPG	471763	501728	C-R	415150!	501843	C-R	415437!
50134	C-R	417278	50161	SPG	471764!	50173	SPG	450173	501845	C-R	6863S!
501348	C-R	471526!	501610	C-R	472157!	501733	C-R	415027!	501847	C-R	471076
501349	C-R	254287	501610	C-R	472157	501733	C-R	415027!	501848	C-R	474278!
50135	C-R	417278	501613	C-R	415449!	501734	C-R	415027!	50184S	SPG	471571
50135	SPG	471192	501614	C-R	6127	501734	C-R	415027	50185	C-R	417544
501350	C-R	340797	501615	C-R	6077	501735	C-R	415379	50185	SPG	473229
50135S	SPG	471192	501619	C-R	200354	501735	C-R	415379!	501850	C-R	1126
50136	SPG	470625!	50161S	SPG	471764!	501736	C-R	455079!	501850	C-R	474276!
50136S	SPG	470625!	50162	SPG	471765!	501737	C-R	417316!	501854	C-R	474256
50137	SPG	471529	501622	C-R	417316!	501745	C-R	471736	501854	CHRY	474256
501379	C-R	7751H	501623	C-R	417262!	501746	C-R	470898*	501857	C-R	7600S
501379E	OLIVE	450765!	501628	C-R	471564	501748	C-R	200640	501858	C-R	472492!
501379E	WHITE	450765!	50162S	SPG	471765!	50175	TROS	7600S	501859	C-R	470898
50137S	SPG	471529	50163	SPG	471766!	501754	C-R	471281!	50185S	SPG	473229
50138	SPG	473459	501632	C-R	415449!	50176	AM WH	417316!	50186	SPG	473236!
50138S	SPG	473459	501632	C-R	415449!	501764	C-R	471567!	501860	C-R	450326
50139	SPG	472234	501633	C-R	415001!	501767	C-R	471689!	501863	C-R	415483!
50139S	SPG	472234	501636	C-R	417210!	501768	C-R	471689!	501864	C-R	416273!
50140	SPG	471413!	50163S	SPG	471766!	501769	C-R	204005	501866	C-R	415259!
501406	C-R	6863S!	501643	C-R	415458!	50177	AM WH	50528	501867	C-R	415991
501417	C-R	240319	501647	C-R	450776!	50177	SPG	450177	501868	C-R	345035
501418	C-R	8059S	501649	C-R	410308!	501773	C-R	471760	50186S	SPG	473236!
501422	C-R	240470	50165	SPG	450165	501778	C-R	451817	50187	SPG	471619!
50143	SPG	450143	50165	SPG	471801!	501780	C-R	473234	501870	C-R	75251S
501437	C-R	240435	501653	C-R	44053	501782	C-R	472164!	501871	C-R	415327
501438	C-R	7412S	501659	C-R	473228!	501784	C-R	472319	501872	C-R	470334!
50144	SPG	473226	50165S	SPG	450165	501786	C-R	203002	501873	C-R	471763
50144S	SPG	473226	50165S	SPG	471801!	501788	C-R	450430	501874	C-R	473231!
50145	SPG	473460	501663	C-R	203006!	501789	C-R	451948	501876	C-R	450065
50145S	C-R	55337	501664	C-R	470898	501790	C-R	472924!	501877	C-R	472164!
50145S	SPG	473460	501668	C-R	455858	501791	C-R	470530!	501878	C-R	470530!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
501879	C-R	50631	501969	CONTI	471539!	502110	C-R	417603!	502303	C-R	476470
50187S	SPG	471619!	50197	SPG	471103!	502112	C-R	416394	502305	C-R	4582S
501880	C-R	416273!	501970	C-R	415995!	502113	C-R	417604	502308	C-R	471466!
501881	C-R	200600	501974	C-R	473236!	502117	C-R	417567	50230S	SPG	471689!
501882	C-R	415449!	501975	C-R	44052	50212	SPG	481644	502317	C-R	350435
501885	C-R	42763	501977	C-R	473234!	502120	C-R	415128	50232	SPG	471705!
501887	C-R	472016	501978	C-R	3210	502126	CONTI	471192	502327	C-R	471649!
50188S	SPG	450188	50197S	TIMKE	471103	50213	GARLK	471264!	502328	C-R	471649!
50189	SPG	471692!	501980	C-R	474278!	502131	C-R	471818	50232S	SPG	471705!
501890	C-R	417210!	501983	C-R	7208S	502132	C-R	40183S!	50233	SPG	471733
501891	C-R	417171!	501986	C-R	473243	502133	C-R	416476!	502330	C-R	471705!
501895	C-R	415483!	501987	C-R	40973S	502136	C-R	6489	502333	C-R	471763
501896	C-R	472636!	501988	C-R	473444!	502139	C-R	415234!	502334	C-R	480630
501898	C-R	473467!	50199	SPG	50199S!	50214	SPG	473414	502337	C-R	331107N
501899	C-R	471141!	50199	SPG	6863S!	502141	C-R	470764!	50233S	SPG	471733
50189S	SPG	471692!	501992	C-R	5759=	502141	C-R	50764	502345	C-R	472636!
501900	C-R	473447	501993	C-R	473234!	502145	C-R	471646!	502347	C-R	340815
501901	C-R	210914	501994	C-R	6815	502148	C-R	55301S	502351	C-R	471765!
501902	C-R	4148	501997	C-R	473237!	502149	C-R	455480!	502352	C-R	472213
501902	C-R	471424!	50199S	NATL	6863S	50215	SPG	471646!	502353	C-R	470059
501903	C-R	471424!	50199S	TIMKE	50199S	502153	C-R	471507	502353	C-R	470380!
501904	C-R	471344	501G324	C-R	45031S	502153	C-R	417507!	502354	C-R	473213!
501905	C-R	204007=	501HL38	C-R	418028	502155	C-R	416892!	502355	C-R	473231!
501906	C-R	6489	502	UNIVE	417546!	502156	C-R	472397!	502358	C-R	473228!
501908	C-R	205017	50200	NATL	320457	50215S	SPG	471646!	50236	SPG	470712!
501917	C-R	203005!	502000	C-R	450593!	50216S	TROS	455037	502360	C-R	472070
501917	C-R	205005	502000	CONTI	416956	50217	SPG	471647	502362	C-R	40183S!
501918	C-R	471633!	502002	C-R	476470!	502171	C-R	473215!	502365	C-R	417366!
50192	SPG	473473	502004	C-R	480630!	50217S	SPG	471647	502368	C-R	471272!
501922	C-R	254287	502005	C-R	410737!	502180	C-R	6336S	50236S	SPG	470712!
501922903	EATON	415213N	502007	C-R	7107A=	50219	SPG	471649!	50237	GARLK	471564
501922904	EATON	455134!	502008	C-R	6960	502192	CONTI	473214!	50237	SPG	471744!
501923902	Y-T	417366!	50201	GARLK	471466!	502196	C-R	5405	502370	C-R	410102
501925901	Y-T	J1127	502010	C-R	415991!	50219S	SPG	471649!	502372	C-R	45827S
501925902	EATON	J1105	502010	C-R	415991	5022	SPG	224835	502375	C-R	415350
501925903	EATON	J1111	502015	C-R	416364!	5022	SPG	48X68X10!	502376	C-R	415303!
501925905	EATON	J1134	50202	SPG	472705!	50220	SPG	481650	502380	C-R	471758!
501925906	EATON	J1132	502021	CHRYSL	415458	502203	C-R	450472!	502381	C-R	417487
501925908	EATON	J1136	502021	CONTI	415458!	502210	C-R	415072	502384	C-R	417366!
501925910	Y-T	J1129*	502021	H-S	415458!	502212	C-R	417210!	502387	C-R	471795
501927	C-R	480210!	50202S	SPG	472705!	502214	C-R	450040	502388	C-R	471795
501928	C-R	474253!	502038	CONTI	417158!	502217	C-R	472015!	502389	C-R	470625!
501928	C-R	474253	50204	SPG	471231!	502219	C-R	471498	50239	SPG	450342
501929	C-R	480210!	502043	C-R	6241S	50222	SPG	471684!	502391	C-R	455136
501933	C-R	471737=	502045	C-R	415371	502220	C-R	415150!	502392	C-R	415449!
501934	C-R	472475	502047	C-R	6245S=	502221	C-R	455253	502393	C-R	415449!
501938	C-R	40059S	50204S	SPG	471231!	502222	C-R	476470	50239S	SPG	450342
50194	SPG	473010	502056	C-R	416153!	502223	C-R	417498	5023LA	JN-MN	411245!
501940	C-R	472299	502058	C-R	417247!	502225	C-R	472150	502400	C-R	481443!
501942	C-R	50501	502059	C-R	416154!	502229	C-R	472193!	50241	SPG	471785!
501943	CONTI	471651	502061	C-R	5578	50222S	SPG	471684!	502417	C-R	450467
501944	C-R	6954S	502068	C-R	418028!	502236	C-R	50402	50241S	SPG	471785!
501944	CONTI	471267!	502069	C-R	412119	502245	C-R	6872S	502424	C-R	470898*
501946	CONTI	473414	50207	NATL	470207	50225	GARLK	471255!	502426	C-R	417344!
501947	C-R	200110	502075	C-R	5452	502252	C-R	5408	502436	C-R	470954
501948	C-R	40337S	502078	C-R	352541	502259	C-R	416664!	502439	C-R	417267
501949	C-R	410987!	50208	SPG	451583!	50226	SPG	470590	50244	SPG	471787!
50194S	SPG	473010	502081	C-R	5406	502262	C-R	415938	502441	AVCO	471567!
50195	C-R	417545	502083	CONTI	471466!	50226S	SPG	470590	502441	CONTI	471567!
50195	NATL	470195!	502083	H-S	471466!	502272	C-R	472394	502441	H-S	471567!
501950	C-R	415483!	50208S	SPG	451583!	502276	CONTI	473229	502441	HERCU	471567!
501952	C-R	415458!	50209	TIMKE	50209	502280	H-S	240356	502442	C-R	481568!
501955	C-R	455008	502090M1	MASSE	474272	502285	AVCO	472150	502443	C-R	471498
501956	C-R	415995!	502098	C-R	471808!	502285	C-R	414045!	502447	C-R	471413
501962	CONTI	481650	502099	C-R	471808!	502285	CONTI	472150	50244S	SPG	471787!
501963	CONTI	471553!	502100	C-R	240435	502285	H-S	472150	50245	SPG	471795
501964	C-R	473010!	502100	CONTI	471648	502285	HERCU	472150	502453	C-R	471760
501964	CONTI	471272!	502104	AVCO	471765!	5022LA	JN-MN	473466	502454	C-R	450400
501965	C-R	472179!	502104	CONTI	471765!	5022LPD	JN-MN	473466	502457	C-R	474256
501966	C-R	473452	502104	H-S	471765!	5022LUP	JN-MN	473466	502458	C-R	40494S
501968	C-R	472397!	502104	HERCU	471765!	50230	ESSIC	471689!	50245S	HERCU	471795
501969	C-R	451078!	502109	C-R	6785	50230	SPG	471689!	50245S	SPG	471795

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
502460	C-R	473234!	502626	C-R	55524	502805	C-R	471870!	502964	C-R	473231!
502464	C-R	41013S	502627	C-R	55155=	50280S	SPG	450280	502965	C-R	473237!
502465	C-R	472179	502628	C-R	416288	502810	C-R	472144!	50298	SPG	473239
502466	C-R	450285	502629	C-R	416288!	502816	C-R	471984	502984	C-R	418028
502469	C-R	40627S=	50262S	SPG	470682	502820	C-R	412040	502984	C-R	455137!
502470	C-R	470898	502630	C-R	417492	502821	C-R	471271!	502987	C-R	415991
502471	C-R	473244	502631	C-R	415498	502822	C-R	413247!	50298S	SPG	473239
502477	C-R	470954	502634	C-R	415937!	502825	C-R	416271!	502990	C-R	416891!
502478	C-R	200763	502637	C-R	450593!	502826	C-R	415449!	502993	C-R	470712!
502479	C-R	411394!	502639	CONTI	471192	502827	C-R	417474	502994	C-R	473214 *
50247S	SPG	473211!	502642	C-R	350364	502828	C-R	410825	502994	C-R	473214
502480	C-R	493291	502649	AVCO	471192	502829	C-R	455005	502995	C-R	470059
502486	C-R	415001!	502649	CONTI	471192	502830	C-R	417480!	502995	C-R	470380!
502487	C-R	455151	502649	H-S	471192	502831	C-R	415082	502997	C-R	450666
50248S	SPG	473436	50265	SPG	473235!	502832	C-R	417350!	50299S	TROS	473241
502491	C-R	416921!	50265S	SPG	473235!	502832	NAPCO	471341!	50300	SPG	472394
502495	C-R	417205!	50266	TIMKE	50266	502836	C-R	416654	503000	C-R	415458!
502496	C-R	417967!	50267	SPG	472070	502837	C-R	476470	503003	C-R	6532S=
502498	C-R	415142	502671	C-R	471413	502838	C-R	416624!	503006	C-R	417196!
502500	C-R	470712!	502679	C-R	472258	502843	C-R	415991!	503008	C-R	417254
502501	C-R	450129	50267S	SPG	472070	502843	C-R	415991	503009	C-R	7006S
502501	C-R	472826!	502680	C-R	471760	502844	C-R	416865!	50300S	SPG	472394
502502	C-R	470487!	502681	C-R	471760	502846	C-R	45187S	50301	SPG	472397!
502503	C-R	450073	502689	C-R	42352S	50285	SPG	450285	5030128	EATON	473237!
502506	C-R	472179	50269	CLARK	472924!	502850	C-R	415025	50301S	SPG	472397!
502507	C-R	471827	50269	SPG	450269	502852	C-R	416892!	50302	SPG	472012
502508	C-R	473473	502690	C-R	474255	502853	C-R	415284	503020	C-R	6781
502509	C-R	472016	502691	C-R	473212!	502854	C-R	416865!	503022	C-R	472234
502512	C-R	410496!	502693	C-R	473215!	502855	C-R	471835!	503026	C-R	415995!
502517	C-R	6930	502697	C-R	450065	502856	C-R	471141!	503027	C-R	8370S
502518	C-R	417351!	502698	C-R	50327	502857	C-R	470898 *	503029	C-R	470088
502524	C-R	415447	5026LA	JN-MN	471766!	50286	SPG	474274	50302S	SPG	472012
502529	C-R	473229	5027	TIMKE	5027	502860	C-R	471733	50303	SPG	472015!
502530	C-R	473228	502702	C-R	472164!	502864	C-R	240119	503030	C-R	472636!
502531	C-R	410190	502712	C-R	473450!	502869	C-R	473228	503031	C-R	415379!
502534	C-R	473449	502713	C-R	472144!	50286S	SPG	474274	503034	C-R	471553!
502536	C-R	472924	502715	C-R	472924!	502871	C-R	414045!	503038	C-R	471689!
502540	C-R	472015!	502717	C-R	472397!	502872	C-R	411330!	503039	C-R	473214
502541	C-R	473462	502726	ALLCH	411253!	502873	C-R	415995! *	50303S	SPG	472015!
502543	C-R	410737!	502730	C-R	410987=	502873	C-R	415995!	503043E	OLIVE	204047=
502544	C-R	472636!	502731	C-R	411330!	502879	C-R	416282	503044R1	BUC-E	412040
502548	C-R	416271!	502732	C-R	412861	502881	C-R	7376=	503046	C-R	472164!
502550	C-R	417350!	502735	C-R	415449!	502888	C-R	471649!	503047	C-R	471862
502557	C-R	7866S	50273S	SPG	450273	50289	TIMKE	50289	503048	C-R	473179
502565	CONTI	473444	50274	SPG	450274	502898	C-R	416738!	503050	C-R	471750!
502571	C-R	471571	502745	C-R	417487	502898	C-R	450096	5030591050	GOETZ	710289
502573	C-R	471224!	502747	C-R	412473!	502899	C-R	210945	50306	SPG	473461!
502574	C-R	471649!	502750	C-R	471493	50290	TROS	472492!	5030604550	GOETZ	710288
502575	C-R	471652	502754	C-R	417211!	502901	C-R	417621!	503063	C-R	415034!
502578	C-R	474278!	502759	C-R	417520	502902	C-R	415025	503066	C-R	472572!
502579	C-R	470590	50275S	SPG	450275	502905	C-R	410308	503067	C-R	6855N=
50258	SPG	482253	502760	C-R	417516	50291	SPG	471141!	5030679950	GOETZ	710290
502581	C-R	471689!	502765	C-R	473225!	502917	C-R	451583!	50306S	SPG	473461!
502582	C-R	472354!	502774	C-R	412119!	502918	C-R	471733	50307	SPG	450307
502585	C-R	471766!	502776	C-R	412473!	50291S	SPG	471141!	50307S	SPG	450307
502589	C-R	473517!	502782	C-R	9613S	50292	TROS	473238!	50308	SPG	410308!
50258S	SPG	482253	502783	C-R	474272!	502921	C-R	6241S	50308S	SPG	410308!
502591	C-R	473016!	502783	C-R	474272	502928	C-R	473238	50309	SPG	471391!
502592	C-R	473213!	502784	C-R	473467	502929	C-R	450084!	50309S	SPG	471391!
5026	C-R	471526!	502785	C-R	410987!	502929800	EATON	473231!	503113	C-R	240023
5026	TIMKE	5026	502788	C-R	471442!	502933	C-R	413247!	503114	C-R	340787
50260	SPG	450260	50279	CLARK	471766!	502937	C-R	470774!	503117	C-R	471270!
502604	C-R	471231!	50279	SPG	450279	502938	C-R	415960	503119	C-R	345146
502607	C-R	450188	502793	C-R	473438	502939	C-R	472810!	50311S	SPG	450311
502608	C-R	472354!	502798	C-R	340823	502945	C-R	471472=	50312	SPG	472016
502609	C-R	471764!	502799	C-R	472193!	50295	SPG	472144!	503128	C-R	471570!
502610	C-R	471192	5027LUP	JN-MN	417433!	502952	C-R	481397	50312N	SPG	472016
502611	C-R	471801!	50280	CLARK	473243	502953	C-R	471688	50312S	SPG	472016
502616	C-R	450275	50280	SPG	450280	502956	C-R	471733	50313	SPG	450313
50262	SPG	470682	502800	C-R	40268=	502957	C-R	205004	50313S	SPG	450313
502621	C-R	410987!	502801	C-R	40071S	50295S	SPG	472144!	503144	C-R	450593!
502624	C-R	415349	502803	C-R	451469	502963	C-R	472213	503149	C-R	204008

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
50315	SPG	473245!	503431	C-R	471579	503621	C-R	473228	503894	C-R	473211!
503150	C-R	415124	503432	C-R	450040	503623	C-R	471192	503895	C-R	473228
503151	C-R	455123	503435	C-R	481568!	503624	C-R	470625!	503898	C-R	473232!
503154	C-R	8139	503440	C-R	471567!	50362S	SPG	450362	50389S	SPG	472492!
503159	C-R	450133	503442	C-R	470390	503630	C-R	40185	5039	TIMKE	5039
50316	SPG	472636!	503443	C-R	471646!	503635	C-R	40438S	503908	C-R	450275
503160	C-R	417238	503444	C-R	471571	50364	SPG	350364	503909	C-R	471821!
503161	C-R	455024	503448	C-R	471553!	503644	C-R	473444	50391	CLARK	473229
503163	C-R	45013S	503450	C-R	481568!	503645	C-R	450984	503912	C-R	474264
50316S	SPG	472636!	503452	C-R	470506!	503646	C-R	473215!	503913	C-R	473442
50317	SPG	411394!	503455	C-R	471529	503647	C-R	40568S	503916	C-R	450274
503173	C-R	473179	503466	C-R	481568!	503649	C-R	474274	503917	C-R	473232!
50317S	SPG	411394!	503468	C-R	451583!	50365	SPG	470898	503924	C-R	473225!
503187	C-R	473215!	50347	SPG	474254	503651	C-R	473367!	503925	C-R	470596
503189	C-R	415437	503470	C-R	471538!	503652	C-R	450523	50393	CLARK	471765!
50319	SPG	481163!	503474	C-R	471224	503658	C-R	5871	503936M1	MASSE	JV1166
50320	SPG	473475	503479	C-R	470506!	50365S	SPG	470898	503939M1	MASSE	200851
50320S	C-R	471567!	50347S	SPG	474254	503671	C-R	470354	50394	CLARK	471835!
503218	C-R	415458!	503480	C-R	471571	503672	C-R	470354	50394	SPG	473227
50322	SPG	412040	503481	C-R	471648	503675	C-R	416107!	503946	C-R	472018
503221	C-R	416865!	503482	C-R	471647	503675	C-R	455073	503949	C-R	472029
503223	C-R	455134!	503490	C-R	473414	503699	C-R	6643S	50394S	SPG	473227
503225	C-R	476838!	503491	C-R	474253	503711	C-R	471316	50395	NOK	710262
50322R1	IH	6090S	503491	C-R	474253*	503725	C-R	80313	50395	SPG	472354!
50322S	SPG	412040	503495	C-R	450588!	503727	C-R	473231!	503954	C-R	412040
503232	C-R	470950!	503499	C-R	481568!	503728	C-R	353141!	503955	C-R	7216
503232	C-R	6241S	5035	C-R	471526!	503729	C-R	415060	50395S	TIMKE	472354
503233	C-R	473445	50350	SPG	413247!	503729	C-R	455060	50396	NOK	710263
503238	C-R	472144!	50350S	SPG	413247!	50373	SPG	451948	503961	C-R	412871!
503242	C-R	413246	50351	SPG	471504!	503730	C-R	417556	503965	C-R	470605!
503247	C-R	471649!	503514	C-R	6897=	503735	C-R	470328	503966	C-R	413248
503259	C-R	417492	50351S	SPG	471504!	503735	C-R	481213!	503974	C-R	415302
50326	SPG	450326	50352	SPG	472164!	503736	C-R	40520S	503979	C-R	415449!
503266	C-R	471354!	503521	C-R	410190	503737	C-R	471526!	50398	SPG	450398
50327	TIMKE	50327	503526	C-R	473317	50373S	SPG	451948	50398	SPG	471267!
503270	C-R	418028	503528	C-R	471391!	50374	SPG	411500	503981	C-R	417073
503270	C-R	455137!	503529	C-R	473462	503741	C-R	40059S	503982	C-R	415001!
503279	C-R	412943	50352S	SPG	472164!	50374S	SPG	411500	503986	C-R	416273!
50328	ESSIC	470328	50354	SPG	470354	50375	SPG	6936S	503987	C-R	415988
50328	ESSIC	481213!	503548	C-R	417022	503750	C-R	6663S	503988	C-R	415458!
503281	C-R	45825S	503549	ALLCH	471141!	50375S	SPG	450375	50398S	SPG	450398
503282	C-R	416332!	503549	C-R	415656	50375S	SPG	6936S	50398S	SPG	471267!
503283	C-R	415351!	50354S	SPG	470354	50375S	SPG	9845	503993	C-R	415988
503289	C-R	473464!	503550	C-R	410825	503762	C-R	473473	503VB7	MARI	416865!
503289	C-R	473464	503551	C-R	55236	503766	C-R	29129S	504	UNIVE	415645!
50329	SPG	412871!	50356	NATL	474278!	503772	C-R	472144!	504	UNIVE	455104
503293	C-R	417134	50356	WMG	474278!	503779	C-R	472924	50400	SPG	450400
50329S	SPG	412871!	503562	C-R	474253*	503787	C-R	452222!	504003	ROSS	472560N!
50331	HYST	473473	503562	C-R	474253	503788	C-R	472287!	504004	C-R	415082
50331NA	SPG	473452	503575	C-R	471498	503789	C-R	416297	504004	ROSS	474278!
50332	SPG	450332	503577	C-R	471571	503801	C-R	471647	504005	ROSS	323138!
503344	C-R	473238	50358	SPG	473231	503804	C-R	471648	504006	ROSS	474276
503348	C-R	20503S	503582	C-R	470645	503808	C-R	481568!	504007	ROSS	450400
50335	SPG	45033S	503584	C-R	471579	503809	C-R	471647	50400S	SPG	450400
50336	SPG	474255	503585	C-R	471539!	50381	SPG	471652	504010	C-R	55469
503361	C-R	418028	50358S	SPG	473231	503811	C-R	450033	504012	C-R	410496!
503365	C-R	8635S	50359	SPG	473448	503812	C-R	481568!	504014	C-R	411245!
503368	C-R	470530!	503591	C-R	473232!	503814	C-R	471579	504015	C-R	415483!
50336S	SPG	474255	503593	C-R	482253	50381S	SPG	471652	504016	C-R	416664!
503372	C-R	415991	503598	C-R	450516	50382	SPG	474276!	504017	C-R	415001!
503372	C-R	455146!	50359S	SPG	473448	503825	C-R	481864	504018	C-R	415001!
50339	SPG	450339	50360	SPG	471870!	503828	C-R	482253	50402	TIMKE	50402
503400	C-R	455612=	503600	C-R	474274	503831	C-R	473367!	504020	C-R	455079!
503402	C-R	473367!	503604	C-R	473436	50385	SPG	330385!	504022	C-R	417343!
503408	C-R	471538!	503607	C-R	473224!	503852	C-R	417316!	504024	C-R	417344!
50340S	SPG	450340	503608	C-R	472258!	50385S	NATL	24038S	504025	C-R	415960
50341	SPG	450341	50360S	SPG	471870!	50385S	TIMKE	330385	504026	C-R	415007
503410	C-R	471553!	50361	SPG	472193!	503860	C-R	472185!	50403	SPG	470774!
503416	C-R	471267!	503612	C-R	472354!	503872	C-R	472299	504030	C-R	417134
503419	C-R	471553!	503614	C-R	473228	503877	C-R	473235!	504034	C-R	6270
503421	C-R	471553!	503617	C-R	473437	503880	C-R	472287!	504036	C-R	417267
50343	SPG	450343	503620	C-R	353141!	50389	SPG	472492!	504038	C-R	417082

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50403S	SPG	470774!	50438	SPG	472299	50491	NATL	480491	5054621	CALI	455330!
504046	C-R	415498	504388	C-R	410524	50492	SPG	450492	50548	SPG	470625!
504047	C-R	415437	50438S	SPG	472299	50494	SPG	472164!	5054821	CALI	415295
50405	TIMKE	50405	50441	SPG	471341!	504946	C-R	472572!	50552	SPG	470565!
504054	C-R	415035	50441S	SPG	471341!	504949	C-R	415284	50552S	SPG	470565!
504055	C-R	415035	50442	WHITE	410708	504951	C-R	471532	5055403	CALI	415960!
504062	C-R	415035	504424	C-R	472409	504951	NAPCO	J1110=	50557	SPG	450557
504062	C-R	415035!	50444	SPG	471835!	50496	SPG	410496!	50557	SPG	471255!
504066	C-R	455189	504444	C-R	471765!	50496S	SPG	410496!	50560	TIMKE	50560
504068	C-R	327303!	50444S	SPG	471835!	5049B	JN-MN	481864	50563	DANA	100696
504069	C-R	455191	50445	TIMKE	50445	504VB7	MARI	417546!	50565S	TROS	418028
504071	C-R	417357	504451	C-R	414045!	505000	AT IM	417349	50567	SPG	471267!
504071	C-R	455192!	50446	GARLK	471554!	505003	AT IM	352541	50567S	SPG	471267!
504076	C-R	417506	50446	SPG	450446	505005	C-R	330385!	50568	TIMKE	50568
504078	C-R	416891!	504487	C-R	417602!	505009	C-R	471538	505680	C-R	473448
50408	CLARK	471141!	50449	SPG	471270!	505016	C-R	471192	505686	C-R	40301S
504081	C-R	416892	504498	C-R	200110	505018	C-R	473231!	505687	C-R	473239
504083	C-R	455251H	50449S	SPG	471270!	50502	SPG	474260	50569	TIMKE	50569
504086	C-R	417533	5045	C-R	471526=	505020	C-R	8362	50569	TROS	472299
504088	C-R	415047	5045	C-R	471526	505022	C-R	470898!	505700	C-R	473461!
504089	C-R	417525	504502	C-R	418029!	505037	C-R	5499=	505701	C-R	450307
50409	CLARK	471141!	504504	C-R	415351!	505040	C-R	6966S	505703	C-R	473474
50409	NATL	470409!	50451	SPG	480630!	505051	C-R	471538	505705	C-R	473238
504091	C-R	455251H	504516	C-R	417356!	505055	NAPCO	J1112	505709	C-R	472636!
504095	C-R	415351!	504516	C-R	455188	505073	C-R	473459	50571	SPG	412027
504099	C-R	417269!	50452	SPG	473197	505089	C-R	331173	505714	C-R	40101S
504100	C-R	417273	50452S	SPG	473197	505125	C-R	472157	505715	C-R	410694!
504104	C-R	6465	50453	SPG	473224!	505143	C-R	331301N	505716	C-R	450111
50412	SPG	450412	50453S	SPG	473224!	50516	SPG	450516	505720	C-R	470380!
504123	C-R	418028	50455	SPG	472319	505161	C-R	40059S	505722	C-R	455321
504123	C-R	455137!	504554	C-R	415142	50519	SPG	471271!	505725	C-R	411376!
504124	C-R	475348N	50456	SPG	450456!	50519S	SPG	471271!	505729	C-R	6626S
50413	NATL	353132	50457	SPG	450457	5051B	JN-MN	415458!	505738	C-R	40301S
504132	C-R	471549!	504579	C-R	415483!	50520	SPG	471272!	505741	C-R	472397!
5041320	GMC	471466!	50457S	SPG	450457	50520S	SPG	471272!	505746	C-R	471554!
50414	SPG	472311!	50458	GARLK	471567!	50521	CUMMI	472164!	505750	C-R	471276
50415	CLARK	470898!	504592	C-R	473179	50521	OLIVE	472185!	505751	C-R	471281!
50415	SPG	450415	5046	C-R	471526!	50521S	SPG	473423	505753	C-R	415254
50417	CLARK	410694!	50460	CLARK	472354!	50522	GEHL	472258!	5057LA	JN-MN	412473!
504173	C-R	450666	50461	SPG	473440	50522	SPG	472258!	5058140	TAYLR	415447
504191	C-R	471504!	50461S	SPG	473440	505227	C-R	340815	50585	CLARK	240151
50421	SPG	450765!	50463	SPG	450463	50522S	SPG	472258!	50588	GARLK	471643!
504221	C-R	473245!	504631	SPICE	473215!	50523	SPG	450523	50588S	SPG	450588
504223C1	IH	473474=	504632	SPICE	472636!	50524	OLIVE	473228	505892C1	IH	416287
504229C1	IH	413247=	504636	MAGNA	471554!	505248	C-R	342805	505892C1	IH	416288!
504231	C-R	410102	504637	MAGNA	471224!	50525	NATL	471887	505906	C-R	417608
504232	C-R	470530!	504637	UNIVE	417546!	50527	SPG	474276!	505910	C-R	471466!
504237	C-R	471649!	504638	MICH	417546!	50528	TIMKE	50528	505919	C-R	473237
504238	ALLCH	471762!	50464S	TROS	6855N=	50529	SPG	450984	50593	SPG	450593!
504238	C-R	413246	50467	SPG	450467	50530	SPG	470530!	505930	C-R	331227H
504239	ALLCH	473234	50468	TIMKE	50468	505302	C-R	240151	505989	C-R	474278!
504239-C1	IH	471267!	50469	SPG	481537	505308	C-R	40555	505989	C-R	6859S
50424	CUMMI	473228	50470	SPG	472810!	505308	C-R	40555S!	505VB7	MARI	416107!
50424	OLIVE	473228	50470S	TIMKE	472810	505310	C-R	415437	505VB7	MARI	455073
50424	WHITE	473228	50472	SPG	450472!	505317E	OLIVE	455820	506	UNIVE	415938
504251	C-R	5924	50472S	SPG	450472!	50532	SPG	450532	50600	C-R	128X150X15!
504252	C-R	471413	50474	SPG	450474	505322E	OLIVE	455079!	506003-A	WHITE	370001A
504258	C-R	473231	50476	NATL	471344	50533	SPG	450533	50604S	SPG	450604
50427	GARLK	470954!	504781	C-R	6936S	50534	SPG	471255!	50605TA	TRSCM	415725!
504281	C-R	710028	50479	SPG	473445	50535	SPG	450535	50606	NATL	470606!
504285	C-R	710030	50479S	SPG	473445	50535	SPG	471264!	506061	C-R	7188S
50430	SPG	450430	50479SA	SPG	473445	505377	C-R	471413!	506062	C-R	473473
504301	C-R	455019!	50479SA	Y-T	473445	50539S	SPG	414268!	5060658	EATON	417343=
504303	C-R	471354!	50480	SPG	323138!	5053B	JN-MN	417511	5060658	Y-T	417343=
50431	SPG	471539!	50480S	NATL	323138!	50540	SPG	450540	506068	C-R	474260
50431S	SPG	471539!	50482	SPG	450482	505409	C-R	7338N	5060D	GOODM	455480!
504326	C-R	7607	50482S	SPG	450482	50541	SPG	471689!	5060LA	JN-MN	450593!
50433	GEHL	471539!	5048340	AMC	5759=	505412	C-R	8059S	50610H	IH	471820
50433	SPG	471138!	50485	SPG	411330!	50543	SPG	474272	5061100	CALI	415234!
504332	GMC	6064	50487	SPG	470487!	505434	C-R	340787	5061101	CALI	415234!
50433S	SPG	471138!	50487S	SPG	470487!	50545	SPG	450545	506180	C-R	415991
50435	NATL	350435	50489S	SPG	473244	5054601	CALI	416666	50619	SPICE	472015!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
506193	C-R	471413!	5067	C-R	471526!	5070	TIMKE	5070	507301	C-R	473237!
506194	C-R	471267!	50670	C-R	7378	507001	C-R	471567!	507309	C-R	471760
506198	C-R	9376	506708	C-R	416404!	507008XX	TIMKE	50X70X8	507310	C-R	471762!
5061LA	JN-MN	476838!	506723	C-R	476470=	507009E	MINNM	471570!	507312	C-R	471763
5062	C-R	471526!	506726	C-R	456105	507009XX	TIMKE	50X70X9	507315	C-R	471764!
506207XX	TIMKE	50X62X7	506731	C-R	415899N	507048	C-R	476470	507316	C-R	471765
506245	C-R	7188S	506731	C-R	416624	507052	C-R	415995!	507322	C-R	473424!
50625	SPG	470625!	506733	C-R	455144	507052	C-R	415995!*	507334	C-R	473212!
506255	C-R	331107N	506742	C-R	417354!	5070888	EATON	415938	507336	C-R	450604
50625SA	TRSCM	416865	506746	C-R	415437	5070888	Y-T	415938	507339	C-R	473212!
50625TA	TRSCM	416865!	506747	C-R	415437	5071	TIMKE	5071	507353	C-R	6489
50626S	SPG	413248	506747	C-R	415437!	507108	C-R	320457	507358	C-R	473454
5062MG	GOODM	415035	506754	C-R	455032!	507114	C-R	472705!	507360	C-R	451845
5062MG	GOODM	415035!	506755	C-R	415025	507118	C-R	240119	507361	C-R	471760
50631	TIMKE	50631	506759	C-R	415027!	507124	C-R	471532	507364	C-R	471808!
506314	C-R	340413	506759	C-R	415027	507126	C-R	471466	507365	C-R	472164!
506315	C-R	240414	50675TA	TRSCM	417542	507132	C-R	471530	507367	C-R	470565!
50633	SPG	471276	506778	C-R	340823	507133	C-R	471530	507368	C-R	472150
50634S	SPG	472475	50678	GARLK	471267!	507139	C-R	470004!	50737	SPG	410737!
50635TA	TRSCM	417278	506789	C-R	455336	507140	C-R	470004!	507373	C-R	472016
506379	C-R	472234	50679	NATL	470954!	507149	C-R	471264	50737S	SPG	410737!
50639	SPG	450639	506791	C-R	471103!	50715	GARLK	471646!	507382	C-R	450621
506391	C-R	7013S	506797	C-R	240435	50715	GMC	470530!	507390	C-R	473464
50640	C-R	7376=	506798	C-R	240435	507156	C-R	471535!	507394	C-R	473462
506438	C-R	474278!	506799	C-R	474279N	507160	C-R	473405	507397	C-R	5836
506438	C-R	6859S	5068	C-R	471526!	507169	C-R	240023	507424	C-R	415138!
50644	GMC	416273!	5068	TIMKE	5068	507171	C-R	471255!	507431	C-R	472287!
50645	C-R	455290	506800	C-R	472810!	507173	C-R	471558	507442	C-R	473427
50645	SPG	470645	506803	C-R	416865!	507174	C-R	471558	507445	C-R	416476!
506454	C-R	3095	506806	C-R	417362!	507182	C-R	481650	507455	C-R	7780
506456	C-R	471526!	506808XX	TIMKE	50X68X8	507183	C-R	481650	507478	C-R	472560N!
50645TA	TRSCM	417541	506813	C-R	416229	507184	C-R	471651	507482	C-R	450307
506486	C-R	472354!	506830	C-R	413469!	507185	C-R	471651	507493	C-R	5797
5065	TIMKE	5065	506832	C-R	410102	507186	C-R	471651	507505	C-R	470712!
50650	C-R	455290*	506837	C-R	416271!	507188	C-R	40328	507507	C-R	470682
506508	C-R	417159	506838	C-R	412861	507193	C-R	470606!	507507XX	TIMKE	50X75X7
506508XX	TIMKE	50X65X8	506839	C-R	455536	5072	TIMKE	5072	507510A	HARWA	50X75X10
506517	C-R	416654	506844	C-R	410825	507203	C-R	471747!	507512XX	TIMKE	50X75X12
506524	C-R	416956	506847	C-R	411253!	507206	C-R	203003	507548	C-R	415379
506532	C-R	417171!	506849	C-R	410102	507208XX	TIMKE	50X72X8	507550	C-R	417518
506536	C-R	455356	506851	C-R	5756	507209	C-R	204005	507551	C-R	474272*
506551	C-R	417490	506852	C-R	5877	507211	C-R	471705!	507551	C-R	474272
506553	C-R	417172	506855	C-R	473453	507218	C-R	471689	507558	C-R	455249!
506555	C-R	55141	50686	SPG	410987!	507223	C-R	473203	507564	C-R	473235
506558	C-R	416919	50686	SPG	450686	507224	C-R	50462	507576	C-R	417601
506559	C-R	415991	506860	C-R	471141!	507226	C-R	473426	507579	C-R	417542
506559	C-R	455146!	506863	C-R	472924!	507232	C-R	471733	507586	C-R	50026
506560	C-R	417501	506865	C-R	40370S	507243	C-R	471692!	507588	C-R	417555!
506562	C-R	6358	506867	C-R	40085S	507249	C-R	471442!	5076	C-R	5076
506564	C-R	320457	50687	GARLK	471570!	507250	C-R	471442!	5076	NATL	370008A
506565	C-R	455249!	506870	C-R	470530!	507251	C-R	471424!	5076	TIMKE	5076
506567	C-R	415437	5068773	GMC	471686	507252	C-R	472439	50760	TROS	1040=
506570	C-R	415379	506879	C-R	417492	507253	C-R	40071S	507609	C-R	7537S
506570	C-R	415379!	50688	NATL	410737!	507254	C-R	472439	507615	C-R	473463
506576	C-R	415023	506881	C-R	472157!	507257	C-R	50266	507618	C-R	416288!
506577	C-R	455026	506881	C-R	472157	507260	C-R	472185!	50764	NATL	470764!
506578	C-R	415394	506895	C-R	417497	507262	C-R	450068	507644	C-R	415116
5066	C-R	471526!	5069	C-R	471526!	507263	C-R	472319	5076546	GMC	470954!
5066	TIMKE	5066	5069	SPG	5092	507273	C-R	40360S!	507669	C-R	415995!
50660	SPICE	4434V	506904	C-R	413472	507275	C-R	473459	507669	C-R	415995!*
506615	C-R	471652	506911	C-R	472179	507277	C-R	450911N!	507686	C-R	473238
506625	C-R	471733	506927	C-R	481864	507278	C-R	472572!	507692	C-R	415116
506630	C-R	350364	50693	SPG	450693	507282	C-R	40183S!	507715	C-R	5113
506640	C-R	40576S	506944	C-R	8243	507283	C-R	472572!	507715	C-R	7721!
506654	C-R	480581	506945	C-R	205044	507284	C-R	473452	507718	C-R	415937!
506663	C-R	43089S	50695	SPG	473426	507291	C-R	473241	507718	MAGNA	472164!
506670	C-R	5113	506957	C-R	416921!	507293	C-R	472492!	507738	C-R	471684!
506670	C-R	7721!	506977	C-R	50560	507297	C-R	473179!	50776	SPG	450776!
506684	C-R	453279!	506986	C-R	455249!	507298	C-R	473179	507771	C-R	415379
50669	SPG	50199S!	506989	CHRY	471271!	507299	C-R	480281!	507771	C-R	415379!
50669	SPG	6863S!	506VB7	MARI	415645!	5073	TIMKE	5073	507799	C-R	473441
506697C1	IH	710006	506VB7	MARI	455104	50730	GARLK	470590	5078	SPG	AR25

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
50782	SPG	471195!	508798	C-R	472164!	5092400	CALI	415219	509815	C-R	470898 *
507837	C-R	45525S	508806	C-R	415995!	5092401	CALI	415219	509816	C-R	415035 *
50786	SPG	470334!	508807	C-R	472439	5092502	CALI	416154!	509816	C-R	415035
5078897	GMC	470954	508812	C-R	472409!	509261	C-R	471272!	509830	C-R	471271!
507895	C-R	200880=	508824	C-R	470712!	509271	C-R	417488!	509839	C-R	472636!
507945	C-R	416738!	508831	ALLCH	471785!	509277	C-R	472082	509847	C-R	473228
507945	C-R	450096	50883271	IG-RA	415725!	50929	SPG	473237!	50987	SPG	410987!
507986	C-R	473447	508835	C-R	471272!	5092LA	JN-MN	471763	509874	C-R	472397!
5079B	JN-MN	455022	508856	C-R	473010!	5093	SPG	32X45X7	50988	SPG	473474
507VB7	MARI	415938	508884	C-R	471766	5093109	SCOT	471255!	509886	C-R	473231!
508	UNIVE	416107!	508886	C-R	471138!	50934	ONAN	471442!	50988S	SPG	473474
508	UNIVE	455073	508894	C-R	50883=	5093400	CALI	415036	509895	C-R	416664!
50800	SPG	480889	5089	C-R	471526!*	5093403	CALI	416892!	50991S	SPG	480630!
508008XX	TIMKE	50X80X8	5089	NATL	417506	5093407	CALI	7354N	50992	ONAN	471466!
508023	C-R	6241S	5089	TIMKE	5089	509348	C-R	8133S	509927	C-R	415379
50803	SPG	450803	5089	WOODB	471762!	509367	C-R	473231!	50992R11	IH	6532S=
50806S	SPG	470806	508944	C-R	472016	509389	C-R	8293S	509940	C-R	473459
508075	C-R	331107N	508946	C-R	42763	509406	C-R	473228!	509949	C-R	473016!
50808	SPG	450808	508979	C-R	8610	509407	C-R	473367	509972	C-R	415449!
5081	FULLE	416921!	508982	C-R	6638S	509408	C-R	473245!	509975	C-R	471466!
508114	C-R	331228H	5089821	EATON	331228H	509410	C-R	472397!	509998	C-R	416888!
508116	C-R	472258!	5089OSR	JN-MN	455406!*	509411	C-R	472636!	509999	C-R	6815
508162	C-R	470625!	508VB7	MARI	417556	509414	C-R	471731!	509A1	ONAN	473231!
508180	CLARK	472179	5090	C-R	471526!*	509415	C-R	415995!	509A11	ONAN	471765!
50819	SPG	450819	50900111	ONAN	473227=	509416	C-R	476470	509A12S	ONAN	450188
5081B	JN-MN	415023	50900112	ONAN	472572=	509416	C-R	476470!	509A2	ONAN	471224!
5082	TIMKE	5082	5090012	ONAN	450188	509417	C-R	415991	509A40	ONAN	471765=
508212	C-R	472409	5090016	ONAN	472287!	509417	C-R	415991!	509A41	ONAN	473231!
508223	C-R	417606	5090045	ONAN	471766!	509418	C-R	415035	509A48	ONAN	470605!
5082B	JN-MN	455008*	5090046	ONAN	471442!	509420	C-R	416865!	509A59	ONAN	471554!
508342	C-R	473449	5090058	ONAN	450269	509445	C-R	472492!	509A64	ONAN	470605!
50835610	TROS	370033A	5090059	ONAN	471554!	509449	C-R	415437	509A86	ONAN	472572=
50839D	IH	473367	509006	C-R	470334!	50945	ONAN	471766!	509A87	ONAN	473227=
50840010	TROS	417356!	509006	C-R	50289	50946	ONAN	471442!	509A97	ONAN	472258
50840010	TROS	455188	5090064	ONAN	470605=	509465	C-R	415449!	509A98	ONAN	473197
508432	C-R	9150S	5090086	ONAN	472572=	5095	C-R	471526!*	509B1	ONAN	473231!
508450	C-R	417485	5090087	ONAN	473227=	5095	TIMKE	5095	509B11	ONAN	471765!
5084SH	JN-MN	471466*	509008XX	TIMKE	50X90X8	50950	ONAN	470954	509B12	ONAN	450188
5084SS	JN-MN	471466!	5090097	ONAN	472258	509505	C-R	7186S	509B16	ONAN	472287!
5085	C-R	471526!	5090098	ONAN	473197	509516	C-R	412119!	509B40	ONAN	471765=
508508XX	TIMKE	50X85X8	509010A	HARWA	50X90X10	509526	C-R	471731	509B41	ONAN	473231
508513	C-R	415294!	509010XX	TIMKE	50X90X10	509529	C-R	471744!	509B41-11	ONAN	473231=
508513B	HARWA	50X85X10	5090138	ONAN	472179	509546	C-R	416292=	509B86	ONAN	472572=
508513C	HARWA	50X85X10	5090139	ONAN	471747	509550	C-R	416557	509B87	ONAN	473227!
508520	C-R	415041	5090300	CALI	415991	509554	C-R	415449!	509P44	ONAN	471442!
508533	C-R	471539!	5090300	CALI	455146!	509556	C-R	415458!	509P46	ONAN	471442!
508539	C-R	471391!	509035	C-R	472070	50957	ONAN	471766!	509P49	ONAN	473225!
508561	C-R	417196!	509046	C-R	417495	509578	CATER	473245!	509P50	ONAN	415303!
508575	C-R	6759S	509053	C-R	418028	50958	ONAN	450269	509P64	ONAN	470605!
508584	C-R	474253	509083	C-R	7014S	509580	C-R	415263	509VB7	MARI	416666
508587	FWD	415449!	50910	ONAN	472560N!	509584	C-R	55532=	50A2402	MINNM	472179
50860	TROS	471571	50911N	SPG	450911N!	50959	ONAN	471554!	50A2403	MINNM	473227
50861	TROS	1037	509120	C-R	473211!	50960	ONAN	470954	50X62X7SC	TRSCM	50X62X7!
508613	C-R	472179	50912S	SPG	473231	509621	C-R	473475	50X62X7TC	TRSCM	50X62X7!
508615	C-R	472164!	509134	C-R	8139	509623	C-R	415379	50X65X8	NATL	1209
50862	OLIVE	472924!	509144	C-R	471264!	509636	C-R	415857!	50X65X8SC	TRSCM	50X65X8!
50865	AM WH	471766!	509154C91	IH	370057A	509648	ALLCH	471801!	50X65X8TC	TRSCM	50X65X8!
508650	MICH	415645!	509164	C-R	417600	50965	HYST	472157!	50X68X8	NATL	1948
508650	MICH	455104	509166	C-R	450084!	50965	HYST	472157	50X68X8SB	TRSCM	225020
508650	UNIVE	415645!	50917	ONAN	470605!	509656	C-R	415045!	50X68X8SC	TRSCM	50X68X8!
508650	UNIVE	455104	509172	C-R	416282	509669	C-R	6644	50X68X8TC	TRSCM	50X68X8!
508657	C-R	472258!	509174	C-R	415960	509699	C-R	415035	50X70X7TA	TRSCM	413818
50867S	SPG	470898	509178	C-R	472394	509719	C-R	473367!	50X70X8SC	TRSCM	50X70X8!
50868	SPG	473203	509179	C-R	417079	509721	C-R	415960	50X70X8TC	TRSCM	50X70X8!
50869	SPG	450869	50919	ONAN	471272!	509722	C-R	416339	50X70X9SC	TRSCM	50X70X9
5086LA	JN-MN	412871!	5091933	O-M	471224!	509722	C-R	455031!	50X70X9TC	TRSCM	50X70X9
508704	C-R	471827!	5091933	SCOT	471224!	509723	C-R	415027	50X72X8SC	TRSCM	50X72X8
508709	C-R	417484!	5092	NATL	3698	509723	C-R	415027!	50X72X8TC	TRSCM	50X72X8
508761	C-R	471192	5092	TIMKE	5092	509735	C-R	7044NA	50X75X10	SIMRT	50X75X10
50878	HYST	473238	509203	C-R	416888!	509737	C-R	451857	50X75X12SC	TRSCM	50X75X12
508793	C-R	417355!	509217	C-R	473229!	509738	C-R	55028	50X75X12TC	TRSCM	50X75X12
508793	C-R	485497	509235	C-R	472144!	5098	ONAN	330385	50X80X8SC	TRSCM	50X80X8

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
50X80X8TC TRSCM	50X80X8	510444 C-R	473450	510697 C-R	473225!	511054 C-R	455079!
50X85X10 SIMRT	50X85X10	510445 C-R	472070	510698 C-R	474264	511056 C-R	455280
50X85X8SC TRSCM	50X85X8	510475 C-R	471766!	510700 C-R	473415	511057 C-R	417158!
50X85X8TC TRSCM	50X85X8	510478 C-R	471264!	510701 C-R	476838!	511058 C-R	416654!
50X90X10 FORSH	50X90X10	510480 C-R	417355!	510729 C-R	470954	511059 C-R	415995!
50X90X10 SIMRT	50X90X10	510480 C-R	485497	510731 C-R	416738!	511059 C-R	415995!*
50X90X10SC TRSCM	50X90X10	510481 C-R	2081	510735 C-R	51322	511060 C-R	475384
50X90X10TC TRSCM	50X90X10	510482 C-R	416130!	510738 C-R	472924!	511061 C-R	415088!
50X90X8ASN ISP	50X90X8	510492 C-R	473424!	51073SA SPG	481073	511061 C-R	415088
51 UNIVE	471535!	5104LA JN-MN	415995!	510740 C-R	471750!	511064 C-R	455020
51-015-100-183 MAN	712107	5104LPD JN-MN	415995!	510741 C-R	471224!	511065 C-R	480491
51-015-100-184 MAN	712106	5104LPD JN-MN	415995!	510751 C-R	332062	511066 C-R	415984!
510 UNIVE	471556	510515 WHITE	370003A	510753 C-R	9150S	511067 C-R	416706!
5100 NATL	370046A	510537 C-R	415090	510756 C-R	472311!	511071 C-R	415303!
5100 TIMKE	5100	510538 C-R	473213!	510768 C-R	471689!	511072 C-R	472924
51004 GARLK	471224!	510539 C-R	473421	51076SA SPG	471076	511073 ALLCH	471192
5100408 GMC	204017	510540 C-R	473463	510776 C-R	100495	511073 C-R	455022
5100650 GMC	473214	510541 C-R	473242	510776 C-R	417349	511074 C-R	456105
51007 SPG	474256	510542 C-R	473462	510777 C-R	471267!	511076 C-R	471192
510116 C-R	471554!	510543 C-R	471391!	510787 C-R	473227	511080 C-R	473435
510119 C-R	470898	510546 C-R	471984	51078S SPG	451078!	511081 C-R	473419
510120 C-R	415458!	510547 C-R	473313	5107OSR JN-MN	417362!*	5110874 GMC	415284
510132 C-R	473227!	510548 C-R	470088	5108 TIMKE	5108	511090 C-R	417191
510133 C-R	472572!	510549 C-R	474281!	5108219 GMC	205017	511090 C-R	455165!
51014 SPG	471567!	510550 C-R	473440!	510826 C-R	40316S	511092 C-R	417494
51015 NATL	471015!	510551 C-R	473458!	51082S SPG	451082	511094 C-R	415437
510160 LAU	240735	510552 C-R	471868	51083 TIMKE	471413	511094 C-R	415437!
510165 C-R	350936	510554 C-R	472287!	510834 C-R	472924!	511095 C-R	455026
510168 C-R	472394	510555 C-R	470950!	5108369A GMC	205035	511096 C-R	471781!
510172 C-R	417349!	510555 C-R	6241S	51086V IH	50075=	511097 C-R	415035
51018 SPG	470898	510556 C-R	471619!	51086VX IH	481864	511099 C-R	415437
510185 C-R	471526!	510558 C-R	412027	5108OSR JN-MN	416888!	5111 TIMKE	5111
51019 SPG	472185!	510560 C-R	455356	5109 C-R	471472!	511100 C-R	417211!
510192 C-R	470954!	510561 C-R	417486	5109 TIMKE	5109	511101 C-R	481443!
510193 C-R	472439	510562 C-R	417159	510905 C-R	471504	511102 C-R	470606!
51020 GARLK	471649!	510563 C-R	412040	510914 C-R	415991	511103 C-R	473420
510205 C-R	471413!	510564 C-R	411500	510932 C-R	471442!	5111035 WOOL	40401
510206 C-R	416239!	510565 C-R	413478	51098 TIMKE	473228	511104 C-R	412473!
510207 C-R	471652	510569 C-R	471821!	510985 C-R	471192	511106 C-R	415559
510208 C-R	416888!	510570 C-R	473442!	510988 C-R	472185!	511114 C-R	450065
510210 C-R	415072	510571 C-R	450273	5110 C-R	471472!	511122 C-R	417223
510228 C-R	471570!	510572 C-R	473441	5110 NATL	370124A	511123 C-R	473445
510229 C-R	471267!	510575 C-R	473466	5110 SPG	370124A	511124 C-R	473234
51024 SPG	471653!	510589-C93 IH	HU149A	51100 SPG	471652	511125 C-R	473235!
510247 VICK	481163!	5106 TIMKE	5106	51100 SPG	482208!	511126 C-R	474265
510248 C-R	412119!	510602 C-R	471821!	511002 C-R	471735	511127 C-R	450765!
510251 C-R	415138!	510611 C-R	474264	511003 C-R	450044	511128 C-R	473236!
510260 C-R	471466!	5106223 GMC	480581=	511005 C-R	471747!	511129 C-R	473446
5102643 GMC	483602=	510624 MAGNA	470954!	511006 C-R	450313	51113 GARLK	471652
510265 C-R	472015!	510627 C-R	470530	511008 C-R	473232	511130 C-R	470086
510266 C-R	470380!	510645 C-R	40568S	511009 C-R	472012	511132 C-R	415196!
51028 GARLK	471689!	510647 C-R	471141	51101 TROS	6785	511133 C-R	415284
510281 C-R	1049	510663 C-R	470712	511010 C-R	450311	511134 C-R	415379!
51030 TROS	471267!	510674 C-R	471686	511011 C-R	473464	511134 C-R	415379
510322 C-R	55646=	510676 C-R	450456!	511011 C-R	473464!	511135 C-R	417513
51032S TIMKE	51032S	510677 C-R	450808	511012 C-R	473239	511136 C-R	471763
510339 C-R	472164!	510678 C-R	471730	511013 C-R	473179	511137 C-R	417598
51035 THEW	450335	510678 MAGNA	471801!	511014 C-R	482253	511138 C-R	415867
510361 C-R	472572!	510679 C-R	474254*	511016 C-R	50191	511139 C-R	416077
510365 C-R	472015!	510679 C-R	474254	511019 C-R	5877	511141 C-R	417298
510371 C-R	471271!	510680 C-R	450054	511023 MAGNA	473214!	511143 C-R	417601
510383 C-R	471689!	510681 C-R	473414	511029 C-R	416444	511144 C-R	417603!
510391M1 MASSE	472560N!	510683 C-R	50209	511030 C-R	472409!	511145 C-R	417563
5103951 GMC	483602=	510685 C-R	350156	511031 C-R	413469!	511148 C-R	417267
5103LA JN-MN	417484!	510685 C-R	473096	511032 C-R	412920!	511149 C-R	416158
51040 GARLK	471733	510686 C-R	471472!	511035 C-R	415350	51115 CLARK	473228
510401 C-R	416271!	510687 C-R	471344	511035 WOOL	415295	511151 C-R	415196!
510408 C-R	455536	510688 C-R	471820	511036 C-R	470354	511153 C-R	455584
510412 C-R	417316!	510689 C-R	473214	511042 C-R	450104	511154 C-R	455330!
510413 C-R	472636!	510690 C-R	473205	511043 C-R	411245!	511155 C-R	416865!
510415 C-R	203006!	510691 C-R	471354!	511044 C-R	417073	511158 C-R	415072
510432 C-R	410737!	510696 C-R	473016!	511052 C-R	412871!	511161 C-R	415219

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
511162	C-R	415076	5116476	GMC	480581=	512345	C-R	203012	512937	C-R	42101S
511163	C-R	415077	511687	IH	470954!	512346	C-R	203016	512938	C-R	417344!
511164	C-R	415482	511694R91	IH	450044	512348	C-R	203025	512946	C-R	8996S=
511165	C-R	55228=	5117	TIMKE	5117	512349	C-R	203029	512976	C-R	473473
511166	C-R	417570	511714	CLARK	416271=	51235	CLARK	240119	512989	C-R	417254
511167	C-R	415128	511716	ALLCH	471413!	5123500	CALI	50631	512993	C-R	41075S
511168	C-R	416239!	51172V	IH	470059	5123501	CALI	412943	5129B	JN-MN	471192
511169	C-R	455129	51172V	IH	470380!	512366	C-R	470774!	5130	NATL	415937
51117	GARLK	471692!	5117401	WHITE	415185H=	5123802	CALI	416008	513071	C-R	417247!
511170	C-R	55222=	511741	C-R	471765!	5124	TIMKE	5124	513073	C-R	40576S
511171	C-R	415871	511752	C-R	473442!	51240	C-R	416557	513090	C-R	353132
511172	C-R	203003	511753	C-R	472018	512415	C-R	417343!	513096	C-R	450655=
511173	C-R	417604	51176	CLARK	472185!	5124200	CALI	417604	513097	C-R	472924!
51117N	SPG	451117N=	511775	C-R	470954!	512427	C-R	412119!	5131	TIMKE	5131
511181	C-R	415043	5117983	GMC	470954!	51244	C-R	417511	513106	C-R	416664!
511182	C-R	417512	5118	SPG	5095	51245	C-R	417258	513108	C-R	40769S
511183	C-R	415138!	5118	TIMKE	5118	512452	C-R	471766!	5131329	GMC	470625!
5111883	GMC	53809S	51180	C-R	130X170X15	51246	GARLK	471766!	51314	CLARK	473446
5111S	TIMKE	5111S	51180	SPG	471707N	512468	C-R	417316!	513159	C-R	471652
5112	TIMKE	5112	511809	C-R	471649!	51247	C-R	416557	513160	C-R	476838!
511210	C-R	471141!	51181	C-R	130X150X15	51247	IRON	5759=	513162	C-R	472082
511211	C-R	471504!	51182	C-R	130X150X10!	51248	C-R	417546!	5131698	GMC	416271!
511212	C-R	450143	51182	C-R	710380	512487	C-R	5589	51319	CLARK	416271!
511213	C-R	412871!	51182	SPG	451182	512495	C-R	471442!	513195	C-R	416921!
511215	C-R	417498	511827	C-R	8477S	5125	C-R	471472!	513211	C-R	471231!
511230	C-R	410496!	511839	C-R	415960	5125	NATL	4148	51322	TIMKE	51322
51125	C-R	130X160X12	511839	C-R	415960!	51250	C-R	417546!	513245	C-R	473215!
51126	C-R	130X160X12V	51185	C-R	130X170X12V	512503	C-R	6590S	513280	C-R	471267!
51128	GARLK	470712!	511864	C-R	472409!	51251	C-R	417546!	51329	TROS	415876
5112808	EATON	472439	511867	C-R	472354!	512516	C-R	472311!	513290	C-R	41257!
511289	C-R	204020	511871	C-R	8460N	51252	C-R	417258	5132909	GMC	471649!
511289	C-R	204505!	511878	ALLCH	472070	51253	C-R	417258=	5132SS	JN-MN	481650
511297	CLARK	415025=	511895	C-R	472144!	51254	CLARK	471192	5133	C-R	471472!
5112S	TIMKE	5112S	5118SS	JN-MN	254287*	512550	C-R	416102	5133	TIMKE	5133
5113	TIMKE	5113	5119	TIMKE	5119	512562	C-R	484058	5133000	CALI	455005
51130	C-R	130X160X12!	511922M91	MASSE	5550=	512586	C-R	200642	513320	MAGNA	471442!
511306	C-R	473010!	51195SA	SPG	471195!	5126	C-R	471472!	513341	C-R	417543
511307	C-R	415449!	511974	C-R	415137!	5126	TIMKE	5126	513368	C-R	416149
511311	C-R	416229	511974	C-R	418028	51262	GARLK	471795	5133852	GMC	415284
511314	C-R	417343!	511D5	DIA	416654	51262	TROS	471787	5134	C-R	471472!
511327	C-R	7934S	511D5	WHITE	416654	512630	C-R	476470	51343	CLARK	471821!
511344	C-R	205015	511D6	WHITE	5405	512655	C-R	100495	5134336	GMC	482253=
51135	C-R	130X160X12!*	511H	BRAD	472439	512655	C-R	417349	5134351	GMC	471652
511377	C-R	472843	511VB7	MARI	471542	512657C1	IH	416158	513442	C-R	417602!
51138	GARLK	471763	512	UNIVE	416666	512657C1	NAVST	386025A	513456	C-R	473228
51139	CLARK	471766!	51201	TRANS	3543	51265S	SPG	412725	513470	C-R	415995!
5114	NATL	2146	51201	TROS	5453	512662	UNIVE	415938	513472	C-R	6575S
51140	C-R	130X170X12	512024	C-R	481073	512663	MICH	415938	51348	GARLK	472258!
511401	C-R	481792	512038	C-R	480630	51270	C-R	417546!	5134924	GMC	482069N
51143	C-R	130X170X15!	512060	C-R	415991	5127119	GMC	471689!	513513	C-R	473211
51143	CLARK	471765!	512060	C-R	415991!	5127119A	GMC	471689!	513557	C-R	471646!
5114335	GMC	415284	5121	TIMKE	5121	5127238	EATON	410308!	51356	CLARK	240319
51143S	SPG	451143	512112	DISOG	710042	512723800	EATON	410308!	51357	CLARK	471141!
511448	C-R	5126	512159	C-R	415371	512726	VICK	44052	5135820	GMC	1041
51147H	SPG	472164	5121601	CALI	415577	51275	C-R	417547	513592	C-R	450593!
5114802	GMC	455956H	512162	C-R	415995!	51276	C-R	417547	5135SS	JN-MN	471472!
511493	CLARK	410825=	51220	CLARK	417267	5127821	CUMMI	415284	51360	GARLK	471192
5115	TIMKE	5115	512215	C-R	415991	5128	NATL	710077	513600	C-R	473237!
51150	CLARK	472636!	512215	C-R	455146!	512806	C-R	417602!	51364	CLARK	470712!
511523	C-R	417514	512224	C-R	471272!	512810	C-R	9015S	513656	C-R	476470!
51153	SPG	410825	51224	GARLK	471413!	51282	WAYNE	415263	513656	C-R	476470
511537	C-R	7537S	512277	C-R	473238!	512830	GERL	472924!	513677	C-R	353135
511542	Y-T	415064	51228D	IH	415371	512839	ALLCH	473211!	513677	C-R	474278!
5115454	GMC	417344	512297	C-R	8429S	512840	ALLCH	473214!	51368	GARLK	473214!
5116	TIMKE	5116	5123	TIMKE	5123	512886R91	IH	45013S	513702	JN SON	482309
511622	C-R	412473!	512301	C-R	473367	512887R91	IH	40101S	51375	CLARK	472560N
5116224	GMC	473454	512304	C-R	471224!	5128B	JN-MN	473462	513754	C-R	416865!
5116229	DETRO	BS40502	512316	C-R	471495	5128LPD	JN-MN	473462	513756	C-R	417158!
5116229	GMC	415035	51232	GARLK	471737	5128N	TIMKE	5128N	513759	C-R	55353
511624	C-R	416332!	512322	C-R	55646*=	5129	NATL	5108	51376	WAUKE	472185!
51162N	SPG	473454	512328	C-R	415697!	512904	C-R	417548	513764	C-R	417020
511635	C-R	471554!	512328	C-R	455547	512920	C-R	6906S	513765	C-R	55224=

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
513767 C-R		415124	514580 C-R		321460	515410 C-R		8695S	51611176-05-005 ALLCH		472185!
513777 CLARK		472636!	5145LA JN-MN		450311	5154224 GMC		471076	51611176-05-011 ALLCH		415082
513773 C-R		417549!	5145LUP JN-MN		450311	5154314 GMC		416271!	51611176-05-012 ALLCH		411394!
513775 C-R		417554!	5146 TIMKE		5146	5154315 ALLCH		416271!	51611176-05-013 ALLCH		473243
513776 C-R		415072	51460 CLARK		473238	5154315 GMC		416271!	51611176-06-002 ALLCH		471705!
513778 C-R		417526	514612 C-R		8660S	515440 ALLCH		474278!	51611176-06-003 ALLCH		471766!
513779 C-R		476470	51462 GARLK		470625!	51546 CLARK		472258	51611176-06-004 ALLCH		473016!
51378 GARLK		473215!	514645 C-R		471567!	5154791 GMC		415284	51611176001 ALLCH		471646!
5137SH JN-MN		350364	51466 MASTE		473427	51548 CLARK		472258	51611176006 ALLCH		471795
513802 C-R		6356	514670 C-R		473459	5154LA JN-MN		473214	5161117605001 ALLCH		471646!
513804 C-R		5070	514680 ALLCH		472924!	5155226 GMC		472572!	516169 C-R		470565!
513805 C-R		416271!	514693 GMC		417967!	51553 AM WH		417316!	516222 C-R		9569S
51382 CLARK		471554!	514697 C-R		473237!	5155300 CALI		416107!	51625TA TRSCM		417258
51383 CLARK		471765!	51472 GARLK		470380!	5155300 CALI		455073	516285 C-R		415035
51384 CLARK		473205	514728 C-R		417487!	5155445 GMC		470059	516285 C-R		415035!
51384SA SPG		480581	514728 C-R		417487	5155445 GMC		470380!	516291 C-R		291099
51385 CLARK		471766!	5147LA JN-MN		417596	5155462 GMC		470625!	5163 C-R		471549!
51386 CLARK		470059	514810 C-R		470954!	5155621 GMC		471224!	5163 TIMKE		5163
51386 CLARK		470380!	51482 MASSE		474265	5155786 GMC		455144	516302C1 IH		456618
51387 CLARK		473446	51482 MASTE		474265	51558 CLARK		470059	51632408 TROS		416327
513870 C-R		472157	5148314 GMC		473454	51558 CLARK		470380!	516325 C-R		415072
513870 C-R		472157!	514860 C-R		9568	515589 C-R		200371	516339 C-R		410496!
5138710 GMC		483054N	514898 C-R		5711	51558R2 IH		6532S=	51633D IH		415991
5138796 GMC		470898=	5148LA JN-MN		455290*	5156309 GMC		450593!	51633D IH		455146!
51388 CLARK		416271!	5148LPD JN-MN		455290	515641 C-R		471271!	51635607.5 TROS		417366!
51389 CLARK		471141!	51492 GARLK		473228!	515644 C-R		417621!	516361 C-R		8974S
5138SS JN-MN		471558*	51492D IH		473421	51566 GARLK		473230!	516393 GERL		416892!
5139 C-R		471472=	51492DA IH		473421	515666 C-R		8705S	5164 C-R		471549!
513915 VICK		455858	51492L IH		473421	515667 C-R		415995*	51640010 TROS		417357
5139189 GMC		JX1505=	51494DA IH		472924	515667 C-R		415995!	51640010 TROS		455192!
51392 CLARK		473228	514953 C-R		416154!	515672 C-R		415035	51640808 TROS		415142
5139484 GMC		417365=	514955 C-R		416666	515713 C-R		472636!	51641208 TROS		455194
5139505 GMC		472164!	514963 GMC		417967!	5157518 GMC		415284	5164157 GMC		416921!
5139585 GMC		416229=	51498 GARLK		473228!	5157536 GMC		473467	51641607.5 TROS		472157!
51397 CLARK		473214!	514989 C-R		472409!	5157574 GMC		471134	51641607.5 TROS		472157
513984 C-R		471271!	5149LA JN-MN		471466!	51576 GARLK		473231!	51641608 TROS		472157!
514 UNIVE		416476!	515 C-R		5MR71	5157948 GMC		471646!	51641608 TROS		472157
5140 C-R		471472!	5150 C-R		471549	5158063 GMC		472924!	516445 C-R		416865!
51403 TROS		6818	5150 C-R		471549*	51583S SPG		451583!	5164463 GMC		412473
5140SS JN-MN		456744N	51501S TROS		415449!	5158446 GMC		471787!	5164468 GMC		471791
5141 C-R		471472!	5150220 GMC		483054N	515847 C-R		472185=	5164468 GMC		456585
5141050 GMC		418028	51503S TROS		473234	51585 CLARK		472560N	5164474 GMC		471766!
5141050 GMC		455137!	515071 C-R		8597S	515878 C-R		473426	516453 C-R		416239!
51412 CLARK		472015!	5150790 GMC		471765!	515886 C-R		415995!	51645TA TRSCM		471547
51413SA SPG		471413!	5150791 GMC		471647	515886 C-R		415995*	5164SS JN-MN		471833*
514151 C-R		470954!	5150846 GMC		415284	515887 C-R		415001=	516507XX TIMKE		51X65X7
514159 C-R		473228!	5150863 GMC		472924!	51590 GARLK		473010!	5165357 GMC		415284
514170 C-R		416339	515098 C-R		471649!	515920 C-R		415072	5165359 GMC		415284
514251 C-R		472164	5150SS JN-MN		472311!	515933 C-R		471272!	516553 C-R		6612S
5142678 GMC		415327=	5151090 GMC		417485	515956 C-R		471231!	516563 C-R		415483
5142R JN-MN		415034!	5151392 GMC		417344!	51598 GARLK		473232!	516564 C-R		472015!
514300 C-R		340835	5151SH JN-MN		481537*	515991 C-R		450593!	51657301-001 ALLCH		415458!
5143108 GMC		417344=	5151SS JN-MN		481537	516015 C-R		473225!	51657301-001-003 ALLCH		415458!
514321 C-R		8168=	515231 C-R		472354!	516019 C-R		472287!	51657301-002 ALLCH		416345!
514322 C-R		451182	51524 CLARK		472810!	516025 C-R		8940S	51657301-002 ALLCH		455033
514323 C-R		484054	515242 C-R		471643!	516073 C-R		471138!	51657301-003 ALLCH		455134!
51435 NATL		484054	515282 C-R		410059	516080 C-R		1097N	51657301-004 ALLCH		412871!
51435 WMG		484054	515282 C-R		470380!	5161028 GMC		471570!	51657301-005 ALLCH		416288!
5143R JN-MN		417273	515283 C-R		472299	51611176-002 ALLCH		471705!	51657301-008 ALLCH		451948
514412 C-R		5578	5152LA JN-MN		471466!	51611176-004 ALLCH		473016!	51657301-009 ALLCH		471764!
51443SA SPG		481443!	5152LUP JN-MN		471466!	51611176-005 ALLCH		472185!	51657301-010 ALLCH		472144!
51446 MASTE		473427	5153 C-R		471549!	51611176-007 ALLCH		472475	51657301-011 ALLCH		415035
51448 MASTE		471567!	515308 C-R		350936	51611176-008 ALLCH		417349	51657301-011 ALLCH		415035!
514481 C-R		415991	515328 C-R		415458!	51611176-009 ALLCH		471647	51657301-013 ALLCH		415725!
514481 C-R		455146!	5153373 GMC		417344!	51611176-010 ALLCH		415991	51657301-016 ALLCH		415991
51449 MASTE		473215!	515355 C-R		471354!	51611176-010 ALLCH		455146!	51657301-016 ALLCH		455146!
5144LUP JN-MN		412028	5153560 GMC		415284	51611176-011 ALLCH		415082	51657301-019 ALLCH		417344!
514518 C-R		415483	515378 C-R		3804S=	51611176-012 ALLCH		411394!	51657301-020 ALLCH		472258!
514523 C-R		415960	5153SH JN-MN		40169S*	51611176-013 ALLCH		473243	51657301-03-009 ALLCH		471764!
51454 GARLK		473227!	5153SS JN-MN		473214!	51611176-05-002 ALLCH		471705!	5165730100100 ALLCH		415458!
51455 CLARK		472636!	5154 C-R		471549!	51611176-05-003 ALLCH		471766!	516578 C-R		473317
514551 C-R		8594S	515400 C-R		415991=	51611176-05-004 ALLCH		473016!	5165958 EUCLD		471442!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
5165958	GMC	471442!	517658	C-R	204002	5187	SPG	52X65X9!	5194527	GMC	415991
5166	TIMKE	5166	517663	C-R	416229	5187281	GMC	416107!	5194527	GMC	455146!
5166003	GMC	415449!	5176B	JN-MN	480210!	5187281	GMC	455073	519471	ALLCH	471570!
516607	C-R	470625!	517716	CATER	415041	51875	MASTE	481568!	519475	C-R	8610
516618	C-R	472492!	517753	C-R	416339	518753	C-R	6636S	5194955	GMC	415995!
5166226	GMC	415284	517774	C-R	6818	518754	C-R	470354	5194959	GMC	416288!
516624	C-R	415449!	5177786	GMC	481203N=	518761	C-R	5778	5195SS	JN-MN	1049
516626	C-R	410694!	517794	C-R	9342S	5188	TIMKE	5188	5196038	DETRO	471570
51662S	SPG	471649!	517804	C-R	6597S	518820	C-R	8126S	519611	C-R	471267!
516642	C-R	416654!	517804O	C-R	6597S	518821	C-R	7700S!	519637	C-R	476470
516650	GERL	473463	5178219	GMC	350364	518821R91	IH	6590S	5196633	GMC	340847
516675	MICH	416107!	517848	C-R	7896S	5189	TIMKE	5189	5196852	GMC	415035
516675	MICH	455073	517859	C-R	415351!	518925	GMC	41081S=	5196852	GMC	455134!
516675	UNIVE	416107!	517884	C-R	8835S	518FF2-L	C-R	5871	51969	GMC	471551!
516675	UNIVE	455073	5178989	GMC	415284	5190	ROTO	471281!	5196927	GMC	75251S
5166SH	JN-MN	470954!	5179	C-R	471549!	519019	C-R	416332!	5197159	GMC	5460\$
5166SS	JN-MN	470954!	5179506	GMC	481163!	51901S	TROS	473227	519759	C-R	416500
5167	TIMKE	5167	517957	C-R	416654	519042	ALLCH	471619!	5197860	GMC	455251H\$
516795	C-R	415458!	517998	C-R	415449	5190707	GMC	471791	5197860	GMC	5460
5168	TIMKE	5168	5179985	GMC	455956H	5190707	GMC	455165!	5198289	GMC	417349=
516805	WAUKE	415198H=	5180	C-R	471549!	5191189	GMC	415995!	51983D	IH	416288!
516811	C-R	5406	5180093	GMC	75251S	5191190	GMC	473228	5198502	GMC	J1107
516839	C-R	370005A	518012	C-R	415725!	5191214	GMC	415027!	5198503	GMC	452261H
516851	C-R	416239!	51802	GARLK	472439	5191214	GMC	415027!	5198645	GMC	455956H
5168647	GMC	416125!	5180285	GMC	472016	519130	C-R	471766!	5198LA	JN-MN	415047*
516880	C-R	473234!	5180521	GMC	410694!	5191600	GMC	416288!	5198LUP	JN-MN	415047
5169	TIMKE	5169	518055	C-R	5313	5191707	GMC	410694!	519913	C-R	411330!
51690	GARLK	473237!	518055R91	IH	203003	5191708	GMC	470088	5199366	GMC	472311
516952	C-R	471567!	518056	C-R	480844	5191745	GMC	415025	5199367	GMC	472311=
516963	C-R	7442H	51814	GARLK	472572!	5191843	GMC	471526!	5199449	GMC	455330=
5170	C-R	471549!	518230	C-R	473211!	5191923	GMC	415035!	5199477	GMC	455134
5170	TIMKE	5170	518236	C-R	410308!	5191923	GMC	415035	5199B	JN-MN	455576!*
517013	C-R	8430S	5182365	GMC	472012	5191925	GMC	412473!	51A-EX6	ALLCH	417267
51704	GARLK	472164!	51826	GARLK	473238!	519194	C-R	473445	51A-MX7	ALLCH	450467
517064	ALLCH	471224!	518301	C-R	7381S	519213	C-R	3945	51A-TX4	ALLCH	200354
517077	C-R	415379	518321	C-R	473454	5192250	GMC	471442!	51JG-1	KEN	472164!
5170LA	JN-MN	415991	518336	C-R	472705!	5192267	GMC	471466!	51X100	GARLK	481537
5170LA	JN-MN	455146!	5183507	GMC	416888!	5192438	GMC	6370N	51X1006	GARLK	473451!*
51714	GARLK	472185!	518369	C-R	8121S	5192439	GMC	J712	51X1007	GARLK	473451!*
517147	C-R	417210!	518370	C-R	6840S	5192505	GMC	6863S!	51X1008	GARLK	473451!
51718	HYST	455189	51838	GARLK	473239!	519257	C-R	472705!	51X101	GARLK	481537
5172000	GMC	415284	518389	C-R	204027	5192617	GMC	416666	51X1012	GARLK	473452*
517201	C-R	415458	5183965	GMC	473464!	5192620	GMC	471466!	51X1013	GARLK	473452*
517202	C-R	8975S	5183965	GMC	473464	5192776	GMC	455251H	51X1014	GARLK	473452
5172164	GMC	474253	5184	C-R	471549!	5192777	GMC	75251S	51X102	GARLK	481073*
517225	C-R	7994S	5184	C-R	472467	519280	C-R	340927	51X1022	GARLK	473453*
517232	C-R	6808N	5184	EIMCO	473451!	519289	C-R	481181!	51X1023	GARLK	473453*
51726	GARLK	472179	51840S	TROS	470954!	519290	C-R	474276	51X1049	GARLK	472572!
517262	C-R	416892!	518449R91	IH	471737	519291	C-R	471224!	51X105	GARLK	481397*
517273	C-R	415138!	51845	C-R	417548	519297	C-R	240356	51X1055	GARLK	414045!*
517274A1	FORD	471231!	5184576	GMC	455290	5193122	GMC	471138!	51X1056	GARLK	414045!*
517274A2	FORD	471231!	51848	GARLK	473240!	519316	C-R	415960!	51X106	GARLK	481397
517323	C-R	416706	5185	TIMKE	5185	519316	C-R	415960!	51X1064	GARLK	473239
517324	C-R	415995!	51850	C-R	455956H	519319	C-R	412119!	51X1067	GARLK	473457!*
517326	C-R	472016	5185065	GMC	350364	5193274	GMC	415991	51X1068	GARLK	473457!
517328	C-R	415001!	51851	C-R	417548	5193274	GMC	455146!	51X1070	GARLK	473240!*
517329	C-R	415960!	51852	C-R	4494V	5193413	GMC	5460\$	51X1071	GARLK	473240!
517329	C-R	415960	51852	C-R	455956H	5193598	GMC	425RR	51X1077	GARLK	473458!*
5173384	GMC	472258	518567	C-R	8421S	5193599	GMC	471255!	51X1078	GARLK	472439*
5173B	JN-MN	417600	518574	C-R	472150	5193684	GMC	471733	51X1079	GARLK	472439*
517448	C-R	6283S	518581	C-R	6760S	519371	C-R	417484!	51X1080	GARLK	472439
517448O	C-R	6283S	5186	SPG	1960	519388	C-R	472012	51X1081	GARLK	471868*
51749	GMC	410102	518611	C-R	6098=	5193LPD	JN-MN	416156	51X1082	GARLK	471868*
517505	C-R	473234	518660	C-R	9116S	5194019	GMC	472924!	51X1083	GARLK	471868
517511	C-R	416956	518674	C-R	370037A	519405	C-R	471193	51X1084	GARLK	472572!
5175136	GMC	471692!	518674	C-R	370338A	519413	C-R	472299	51X1085	GARLK	472572!
5175276	GMC	472705!	518680	C-R	370021A	5194233	GMC	412871!	51X1086	GARLK	472572!
517536	GERL	455019!	518682	C-R	370019A	519430	C-R	470774!	51X1090	GARLK	414045!*
5175836	OLIVE	416654!	518683	C-R	370021A	519437	C-R	471442!	51X1091	GARLK	414045!*
5176287	GMC	450039	51869	GMC	473458!	5194382	GMC	472164!	51X1092	GARLK	414045!*
5176288	GMC	471255!	5186F	OSHKO	415995!	519443	C-R	7457N	51X110	GARLK	471529
5176552	GMC	417548	5187	SPG	1955	5194462	GMC	417550	51X1105	GARLK	473240!*

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51X1106	GARLK	473240!*	51X1300	GARLK	450096	51X1511	GARLK	471272!	51X1706	GARLK	416271!*
51X1107	GARLK	473240!	51X1301	GARLK	416738!	51X1512	GARLK	471272!	51X1707	GARLK	416271!
51X1133	GARLK	473460	51X1301	GARLK	450096	51X1518	GARLK	471138!	51X1714	GARLK	416071*
51X1136	GARLK	472394*	51X1302	GARLK	416738!	51X1522	GARLK	410737!	51X1715	GARLK	416071*
51X1140	GARLK	473461!	51X1302	GARLK	450096	51X1523	GARLK	410737!	51X1716	GARLK	416071*
51X1151	GARLK	450472!*	51X1306	GARLK	450313*	51X1524	GARLK	410737!	51X1724	GARLK	471887*
51X1152	GARLK	450472!	51X1307	GARLK	450313*	51X1531	GARLK	411253!	51X1736	GARLK	412040*
51X1153	GARLK	473241	51X1308	GARLK	450313	51X1532	GARLK	411253!	51X1748	GARLK	411245!
51X1154	GARLK	473241*	51X1309	GARLK	450532*	51X1533	GARLK	411253!	51X175	GARLK	471539!
51X1155	GARLK	473241*	51X1310	GARLK	450532*	51X1534	GARLK	412920!	51X176	GARLK	471539!
51X1163	GARLK	450474*	51X1311	GARLK	450532*	51X1535	GARLK	412920!	51X1771	GARLK	412040*
51X1164	GARLK	450474*	51X1312	GARLK	450343*	51X1536	GARLK	412920!	51X1772	GARLK	412040*
51X1167	GARLK	50528	51X1313	GARLK	450343*	51X1537	GARLK	455136*	51X1773	GARLK	412040
51X1171	GARLK	473461!*	51X1314	GARLK	450343*	51X1538	GARLK	455136*	51X1775	GARLK	50560*
51X1172	GARLK	473461!*	51X1331	GARLK	410308!	51X1539	GARLK	455136	51X1776	GARLK	50560*
51X1173	GARLK	473461!*	51X1332	GARLK	410308!	51X154	GARLK	470390	51X178	GARLK	471231!
51X1174	GARLK	471391!*	51X1334	GARLK	472016*	51X1540	GARLK	411376!	51X1780	GARLK	450104*
51X1175	GARLK	471391!*	51X1339	GARLK	472409!	51X1541	GARLK	411376!	51X1781	GARLK	450104*
51X1176	GARLK	471391!*	51X1340	GARLK	472409!	51X1542	GARLK	411376!	51X1782	GARLK	450104
51X1180	GARLK	473462	51X1358	GARLK	416267!*	51X1546	GARLK	415234!*	51X1783	GARLK	411245!
51X1181	GARLK	473462	51X1361	GARLK	470898	51X1547	GARLK	415234!*	51X1784	GARLK	411245!
51X1182	GARLK	473462	51X1362	GARLK	470898	51X1548	GARLK	415234!*	51X1785	GARLK	411245!
51X1202	GARLK	470530!	51X1363	GARLK	473467	51X1549	GARLK	415259!*	51X179	GARLK	474253
51X1208	GARLK	473463	51X1364	GARLK	473467	51X1550	GARLK	415259!*	51X180	GARLK	472394*
51X122	GARLK	470506!	51X1365	GARLK	473467	51X1551	GARLK	415259!	51X181	GARLK	450588*
51X1222	GARLK	472924!	51X1366	GARLK	472015!	51X1562	GARLK	472150*	51X181	GARLK	450588*
51X1223	GARLK	472924!	51X1367	GARLK	472015!	51X1574	GARLK	411394!	51X1811	GARLK	410496!
51X1224	GARLK	472924!	51X1368	GARLK	472015!	51X1577	GARLK	410694!*	51X182	GARLK	450588
51X1225	GARLK	470530!	51X1369	GARLK	410308!	51X1579	GARLK	450133*	51X1829	GARLK	455079!*
51X1226	GARLK	470530!*	51X1370	GARLK	410308!	51X1580	GARLK	450133*	51X184	GARLK	471645
51X1227	GARLK	470530!*	51X1371	GARLK	410308!	51X1586	GARLK	416444*	51X1840	GARLK	471271!
51X1228	GARLK	472397!	51X1372	GARLK	472016*	51X159	GARLK	481443!	51X1841	GARLK	471271!
51X1229	GARLK	472397!	51X1373	GARLK	472016*	51X1595	GARLK	455321*	51X1842	GARLK	471271!
51X1230	GARLK	472397!	51X1374	GARLK	472016	51X1596	GARLK	455321	51X1852	GARLK	415449!
51X1231	GARLK	473463*	51X1379	GARLK	450621	51X160	GARLK	481443!*	51X1853	GARLK	415449!
51X1232	GARLK	473463*	51X1380	GARLK	450621*	51X1600	GARLK	472150*	51X1854	GARLK	415449!
51X1233	GARLK	473463	51X1386	GARLK	450869*	51X1601	GARLK	472150*	51X1855	GARLK	415001!
51X1240	GARLK	473464	51X1396	GARLK	416267!*	51X1602	GARLK	472150	51X1856	GARLK	415001!
51X1240	GARLK	473464!	51X1397	GARLK	416267!*	51X161	GARLK	481568!	51X1857	GARLK	415001!
51X1241	GARLK	473464!	51X1398	GARLK	416267!	51X1612	GARLK	411394!	51X1858	GARLK	416273!
51X1241	GARLK	473464	51X1407	GARLK	473471*	51X1613	GARLK	411394!	51X1859	GARLK	416273!
51X1242	GARLK	473464!	51X1409	GARLK	472020*	51X1614	GARLK	411394!	51X186	GARLK	471686
51X1242	GARLK	473464	51X1424	GARLK	412943*	51X162	GARLK	481568!*	51X1860	GARLK	416273!
51X1246	GARLK	412027*	51X1435	GARLK	472234*	51X1633	GARLK	455321*	51X1861	GARLK	455079!*
51X1247	GARLK	412027*	51X1436	GARLK	472234*	51X1634	GARLK	455321*	51X1862	GARLK	455079!*
51X1248	GARLK	412027	51X1437	GARLK	472234	51X1635	GARLK	455321	51X1863	GARLK	455079!
51X1257	GARLK	473466	51X1438	GARLK	472018*	51X1640	GARLK	473474*	51X187	GARLK	473412*
51X1259	GARLK	472012*	51X1439	GARLK	472018	51X1643	GARLK	470565!*	51X188	GARLK	473412
51X1262	GARLK	450307*	51X1440	GARLK	472018*	51X1649	GARLK	473475	51X1882	GARLK	413479*
51X1265	GARLK	450311*	51X1441	GARLK	473471*	51X1655	GARLK	413246	51X1883	GARLK	413479*
51X1271	GARLK	416738!	51X1442	GARLK	473471	51X166	GARLK	481644*	51X1884	GARLK	413479
51X1271	GARLK	450096	51X1443	GARLK	473471*	51X1664	GARLK	410987!	51X1886	GARLK	415302*
51X1272	GARLK	416738!	51X1444	GARLK	472020*	51X1665	GARLK	410987!	51X1887	GARLK	415302
51X1272	GARLK	450096	51X1445	GARLK	472020*	51X1667	GARLK	416271!*	51X1889	GARLK	455311*
51X1280	GARLK	450532*	51X1446	GARLK	472020	51X1673	GARLK	410825	51X189	GARLK	471729*
51X1281	GARLK	450532*	51X1450	GARLK	470354*	51X1674	GARLK	410825*	51X1890	GARLK	455311
51X1282	GARLK	451948*	51X1451	GARLK	470354	51X1676	GARLK	416071*	51X1891	GARLK	415988*
51X1283	GARLK	451948*	51X1452	GARLK	470354*	51X1687	GARLK	473475*	51X1892	GARLK	415988*
51X1284	GARLK	451948*	51X1459	GARLK	50631*	51X1688	GARLK	473475	51X1893	GARLK	415988*
51X1285	GARLK	473466*	51X1460	GARLK	50631*	51X1689	GARLK	473475*	51X1894	GARLK	417481*
51X1286	GARLK	473466*	51X1461	GARLK	50631*	51X169	GARLK	474273	51X1895	GARLK	417481*
51X1287	GARLK	473466	51X1472	GARLK	471341!	51X1693	GARLK	413246	51X1896	GARLK	417481*
51X1288	GARLK	472012*	51X1478	GARLK	473473	51X1694	GARLK	413246	51X1897	GARLK	455280*
51X1289	GARLK	472012*	51X1479	GARLK	473473	51X1695	GARLK	413246	51X1898	GARLK	455280*
51X1290	GARLK	472012	51X1487	GARLK	410737!	51X1696	GARLK	412119!	51X1899	GARLK	455280*
51X1291	GARLK	450307*	51X1488	GARLK	410737!	51X1697	GARLK	412119!	51X190	GARLK	471729
51X1292	GARLK	450307*	51X1502	GARLK	455136*	51X1698	GARLK	412119!	51X1909	GARLK	411330!*
51X1293	GARLK	450307	51X1503	GARLK	455136	51X1699	GARLK	413247!	51X1910	GARLK	411330!*
51X1294	GARLK	450311*	51X1507	GARLK	472299*	51X170	GARLK	474273	51X1911	GARLK	411330!
51X1295	GARLK	450311*	51X1508	GARLK	472299*	51X1700	GARLK	413247!	51X1912	GARLK	415302*
51X1296	GARLK	450311	51X1509	GARLK	471341!	51X1701	GARLK	413247!	51X1913	GARLK	415302*
51X1300	GARLK	416738!	51X1510	GARLK	471272!	51X1705	GARLK	416271!*	51X1914	GARLK	415302

! Industrial Size/Type * Minor Width Difference

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
51X1915	GARLK	455311*	51X2088	GARLK	455005	51X288	GARLK	471224!	51X403	GARLK	450048*
51X1916	GARLK	455311*	51X2089	GARLK	417485*	51X289	GARLK	473380*	51X404	GARLK	450048
51X1917	GARLK	455311	51X2090	GARLK	417485*	51X290	GARLK	473380	51X405	GARLK	450173*
51X1918	GARLK	415988*	51X2091	GARLK	417485*	51X291	GARLK	471649!	51X406	GARLK	450173
51X1919	GARLK	415988*	51X2092	GARLK	475384*	51X292	GARLK	471649!	51X425	GARLK	471750!
51X1920	GARLK	415988*	51X2093	GARLK	475384*	51X293	GARLK	471689!	51X434	GARLK	450177*
51X1921	GARLK	417481*	51X2094	GARLK	475384*	51X294	GARLK	471689!	51X435	GARLK	450177*
51X1922	GARLK	417481*	51X2101	GARLK	455005*	51X295	GARLK	450593!	51X444	GARLK	471808!
51X1923	GARLK	417481	51X2102	GARLK	455005*	51X296	GARLK	450593!	51X4483	GARLK	415442!
51X1924	GARLK	455280*	51X2103	GARLK	455005	51X297	GARLK	471733*	51X4483	GARLK	55442
51X1925	GARLK	455280*	51X2104	GARLK	417485*	51X298	GARLK	471733	51X4484	GARLK	455396*
51X1926	GARLK	455280*	51X2105	GARLK	417485*	51X299	GARLK	471744!	51X449	GARLK	470050
51X1931	GARLK	412871!	51X2106	GARLK	417485*	51X300	GARLK	471744!	51X450	GARLK	470050*
51X1934	GARLK	413248	51X2116	GARLK	415303!	51X301	GARLK	471760*	51X452	GARLK	473424!
51X1937	GARLK	450412*	51X2119	GARLK	417344!	51X302	GARLK	471760	51X454	GARLK	450124=
51X1938	GARLK	450412	51X2130	GARLK	415303!	51X303	GARLK	471619!	51X455	GARLK	450124=
51X1947	GARLK	415458!	51X2131	GARLK	415303!	51X304	GARLK	471619!	51X456	GARLK	415294!
51X1949	GARLK	417343!*	51X2132	GARLK	417344!	51X308	GARLK	481650*	51X4579	GARLK	470088
51X1953	GARLK	415007*	51X2133	GARLK	417344!	51X341	GARLK	450044*	51X4580	GARLK	415023
51X1956	GARLK	417082*	51X2134	GARLK	417344!	51X342	GARLK	450044	51X4586	GARLK	471570!
51X196	GARLK	473414*	51X2135	GARLK	416404!*	51X347	GARLK	450159*	51X4589	GARLK	450400*
51X1960	GARLK	413248	51X2136	GARLK	416404!*	51X348	GARLK	450159	51X4590	GARLK	472164!
51X1961	GARLK	413248	51X2137	GARLK	416404!*	51X356	GARLK	417600*	51X4592	GARLK	470898
51X1962	GARLK	413248	51X2138	GARLK	416921!	51X357	GARLK	417600	51X4593	GARLK	411330!*
51X1966	GARLK	415483!	51X2139	GARLK	416921!	51X360	GARLK	417601*	51X46	GARLK	470004!
51X1967	GARLK	415483!	51X2140	GARLK	416921!	51X360	GARLK	417601*	51X4600	GARLK	474256
51X1968	GARLK	415483!	51X2156	GARLK	417486*	51X361	GARLK	417601	51X4603	GARLK	471231!
51X1972	GARLK	415458!	51X2157	GARLK	416956*	51X3609	GARLK	417022*	51X4605	GARLK	471554!
51X1973	GARLK	415458!	51X2158	GARLK	416956*	51X3610	GARLK	417604*	51X4610	GARLK	415871*
51X1974	GARLK	415458!	51X2159	GARLK	416956	51X3611	GARLK	417567*	51X4640	GARLK	415991
51X1975	GARLK	417343!*	51X2160	GARLK	417159*	51X3619	GARLK	455462	51X4640	GARLK	455146!
51X1976	GARLK	417343!*	51X2161	GARLK	417159*	51X3623	GARLK	415090	51X4645	GARLK	450143
51X1977	GARLK	417343!	51X2162	GARLK	417159*	51X3627	GARLK	55218=	51X4646	GARLK	412119!
51X1978	GARLK	415007*	51X2163	GARLK	416654!	51X364	GARLK	471736	51X4651	GARLK	415035
51X1979	GARLK	415007*	51X2164	GARLK	416654!	51X3647	GARLK	417606*	51X4651	GARLK	415035!
51X1980	GARLK	415007*	51X2165	GARLK	416654!	51X3648	GARLK	417606	51X4652	GARLK	416239!*
51X1981	GARLK	417082*	51X2166	GARLK	417486*	51X3656	GARLK	55224=	51X4654	GARLK	417172*
51X1982	GARLK	417082*	51X2167	GARLK	417486*	51X366	GARLK	473428	51X4659	GARLK	473244
51X1983	GARLK	417082*	51X2190	GARLK	55548*	51X3660	GARLK	417605*	51X4662	GARLK	470506!
51X1995	GARLK	455434	51X2191	GARLK	55548*	51X3673	GARLK	417020	51X4665	GARLK	472636!
51X200	GARLK	473414*	51X2196	GARLK	455820*	51X368	GARLK	471764!	51X4667	GARLK	55548*
51X2014	GARLK	455434*	51X2197	GARLK	455820*	51X3680	GARLK	415227!	51X4668	GARLK	417541*
51X2015	GARLK	455434*	51X2223	GARLK	455020*	51X3689	GARLK	55228=	51X4669	GARLK	416892!*
51X2016	GARLK	455434	51X2224	GARLK	455020*	51X3694	GARLK	415482	51X4670	GARLK	472924!
51X2023	GARLK	455151*	51X241	GARLK	450038*	51X37	GARLK	50199S!	51X4671	GARLK	471504!
51X2024	GARLK	455151*	51X242	GARLK	450038	51X37	GARLK	6863S!	51X4672	GARLK	472164!
51X2025	GARLK	455151	51X2436	GARLK	415832*	51X3705	GARLK	415076*	51X4681	GARLK	415124*
51X2026	GARLK	455008*	51X2437	GARLK	415832*	51X375	GARLK	450362	51X4682	GARLK	417351!
51X2027	GARLK	455008*	51X2451	GARLK	55646* =	51X376	GARLK	450362*	51X4686	GARLK	417344!
51X2028	GARLK	455008*	51X2452	GARLK	55646* =	51X38	GARLK	50199S!	51X4688	GARLK	415645!
51X2033	GARLK	480491*	51X257	GARLK	472951	51X38	GARLK	6863S!	51X4688	GARLK	455104
51X2034	GARLK	480491	51X257	GARLK	474252	51X385	GARLK	473426*	51X4691	GARLK	473475*
51X204	GARLK	473415	51X258	GARLK	472951	51X3863	GARLK	350435	51X4693	GARLK	472144!*
51X2042	GARLK	415984!*	51X258	GARLK	474252	51X3869	GARLK	472705!	51X4695	GARLK	416229*
51X2051	GARLK	416706!	51X259	GARLK	450039*	51X3871	GARLK	450342	51X4704	GARLK	471785!
51X2056	GARLK	416664!	51X260	GARLK	450039	51X3874	GARLK	471747!	51X4710	GARLK	455026*
51X2057	GARLK	416664!	51X269	GARLK	451583!*	51X3882	GARLK	471344*	51X4712	GARLK	456105*
51X2058	GARLK	416664!	51X270	GARLK	451583!*	51X3886	GARLK	450090*	51X4717	GARLK	455019!*
51X2059	GARLK	417484!	51X2706	GARLK	417238	51X3889	GARLK	450965*	51X4718	GARLK	473212!*
51X2060	GARLK	417484!	51X2707	GARLK	417238	51X39	GARLK	474277	51X4720	GARLK	416107!
51X2061	GARLK	417484!	51X271	GARLK	450545*	51X3902	GARLK	455080*	51X4720	GARLK	455073
51X2062	GARLK	415984!*	51X272	GARLK	450545	51X3905	GARLK	472234*	51X4723	GARLK	417134
51X2063	GARLK	415984!*	51X273	GARLK	471648*	51X3906	GARLK	472234	51X4727	GARLK	416865!*
51X2064	GARLK	415984!*	51X274	GARLK	471648*	51X3909	GARLK	416921!	51X4729	GARLK	457874
51X2065	GARLK	417316!	51X276	GARLK	471688	51X3910	GARLK	417486*	51X4732	GARLK	417196!*
51X2066	GARLK	417316!	51X277	GARLK	450040*	51X3912	GARLK	415995!	51X4734	GARLK	415082*
51X2067	GARLK	417316!	51X278	GARLK	450040	51X3924	GARLK	417602!*	51X4735	GARLK	411376!
51X2068	GARLK	415960	51X279	GARLK	451082*	51X3932	GARLK	455123	51X4736	GARLK	55028*
51X2069	GARLK	415960	51X280	GARLK	451082	51X3932	GARLK	417606*	51X4738	GARLK	417621!
51X2070	GARLK	415960	51X285	GARLK	450339*	51X40	GARLK	474277	51X4740	GARLK	414045!*
51X2086	GARLK	455005*	51X286	GARLK	450339				51X4745	GARLK	415991
51X2087	GARLK	455005*	51X287	GARLK	471224!				51X4745	GARLK	455146!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
51X4752	GARLK	417512*	51X4928	GARLK	416154!*	51X5887	GARLK	473446*	51X6374	GARLK	416364!*
51X4754	GARLK	471554!	51X4929	GARLK	455462*	51X5892	GARLK	416888!	51X6375	GARLK	416239!*
51X4766	GARLK	473232	51X493	GARLK	473212!*	51X5893	GARLK	472810!	51X6378	GARLK	415867*
51X4768	GARLK	415482*	51X4934	GARLK	415066*	51X5897	GARLK	455080*	51X6385	GARLK	417603!
51X4771	GARLK	416892!*	51X4938	GARLK	412920!	51X5900	GARLK	473466*	51X6387	GARLK	55301S*
51X4772	GARLK	416345!	51X494	GARLK	473212!*	51X5906	GARLK	417020*	51X6389	GARLK	55222* =
51X4772	GARLK	455033	51X4945	GARLK	416738!	51X5907	GARLK	416404!*	51X6390	GARLK	55239* =
51X4774	GARLK	55078S*	51X4945	GARLK	450096	51X5912	GARLK	417548*	51X6391	GARLK	417605*
51X4775	GARLK	417526*	51X495	GARLK	473212!*	51X5913	GARLK	472018*	51X6395	GARLK	415482*
51X4780	GARLK	416892!*	51X4958	GARLK	411394!	51X5914	GARLK	473010	51X6411	GARLK	471413*
51X4781	GARLK	471549!	51X4959	GARLK	416268	51X5920	GARLK	417567*	51X6413	GARLK	417247!*
51X4783	GARLK	417541*	51X4966	GARLK	417247!*	51X5922	GARLK	417349*	51X6414	GARLK	473460*
51X4784	GARLK	415072*	51X4967	GARLK	417549!*	51X5925	GARLK	417486*	51X6415	GARLK	471554!
51X4785	GARLK	415124*	51X4968	GARLK	416144*	51X5929	GARLK	415551*	51X6418	GARLK	415295*
51X4787	GARLK	476470	51X497	GARLK	323138!*	51X5930	GARLK	417211!*	51X6422	GARLK	417598*
51X4788	GARLK	415066*	51X4976	GARLK	472843*	51X5933	GARLK	55301S*	51X6430	GARLK	417185!
51X4789	GARLK	415327*	51X498	GARLK	473213!	51X5938	GARLK	415371*	51X6431	GARLK	455022*
51X4790	GARLK	416288!*	51X4982	GARLK	417547*	51X5945	GARLK	417278*	51X6433	GARLK	416364!*
51X4792	GARLK	471354!*	51X4987	GARLK	415458!	51X5947	GARLK	411253!	51X6434	GARLK	417357
51X4800	GARLK	417020*	51X4988	GARLK	470774!	51X5948	GARLK	415984!*	51X6434	GARLK	455192!
51X4801	GARLK	415227!*	51X499	GARLK	450503* =	51X5953	GARLK	417357	51X6437	GARLK	416239!*
51X4803	GARLK	55532 =	51X4991	GARLK	455480!*	51X5953	GARLK	455192!	51X6438	GARLK	472397!
51X4804	GARLK	417487	51X4992	GARLK	473237!	51X5957	GARLK	471413!*	51X6439	GARLK	417350!
51X4805	GARLK	55228* =	51X4998	GARLK	417486*	51X5959	GARLK	415090*	51X6440	GARLK	471272!
51X4806	GARLK	455129*	51X5	GARLK	350364	51X5960	GARLK	417606*	51X6444	GARLK	416654!
51X4808	GARLK	417247!*	51X500	GARLK	450503* =	51X5966	GARLK	472179	51X6446	GARLK	412473!
51X4809	GARLK	415294!	51X5002	GARLK	415683*	51X5968	GARLK	473474	51X6450	GARLK	471619!
51X4825	GARLK	417254*	51X5005	GARLK	472179	51X5969	GARLK	455509	51X6451	GARLK	417488!*
51X4828	GARLK	416865!*	51X5005E	JOHND	471272 =	51X5978	GARLK	473380*	51X6456	GARLK	415449!
51X4832	GARLK	415303!*	51X5007	GARLK	472287!*	51X5980	GARLK	412119!	51X6457	GARLK	450129
51X4836	GARLK	417247!*	51X5008	GARLK	415437	51X5981	GARLK	55078S*	51X6457	GARLK	472826!
51X4837	GARLK	415196!*	51X5008	GARLK	415437!	51X5983	GARLK	415036*	51X6461	GARLK	456105*
51X4838	GARLK	413469!*	51X501	GARLK	450503* =	51X6	GARLK	350364*	51X6462	GARLK	473225!*
51X484	GARLK	450129	51X5025	GARLK	416288!*	51X60	GARLK	471530	51X6465	GARLK	415449!
51X484	GARLK	472826!	51X5028	GARLK	455476*	51X6062	GARLK	472810!	51X6466	GARLK	471763*
51X4842	GARLK	471472!	51X5030	GARLK	415023	51X6099	GARLK	481397*	51X6467	GARLK	417316!
51X4844	GARLK	415001!	51X5031	GARLK	415072*	51X610	GARLK	473437*	51X6468	GARLK	416071*
51X4847	GARLK	471539!	51X5041	GARLK	471538!*	51X611	GARLK	473437*	51X6469	GARLK	472394*
51X485	GARLK	450129	51X5043	GARLK	415371*	51X612	GARLK	473437	51X6471	GARLK	417316!
51X485	GARLK	472826!	51X5049	GARLK	415034!	51X6127	GARLK	471231!	51X6474	GARLK	470682*
51X4854	GARLK	415035	51X5050	GARLK	350364*	51X614	GARLK	471862*	51X6475	GARLK	471835!
51X4855	GARLK	481537*	51X5051	GARLK	417539!*	51X615	GARLK	471862	51X6478	GARLK	471272!
51X4861	GARLK	473226*	51X5053	GARLK	473242*	51X619	GARLK	473438*	51X6479	GARLK	471192
51X4862	GARLK	471870!	51X5059	GARLK	417351!	51X6192	GARLK	470806*	51X6484	GARLK	416666*
51X4865	GARLK	417254*	51X5060	GARLK	455336*	51X620	GARLK	473438*	51X6487	GARLK	471887*
51X487	GARLK	473421*	51X5061	GARLK	415483!	51X621	GARLK	473438	51X6489	GARLK	476470
51X4871	GARLK	470954!*	51X5063	GARLK	55028*	51X6224	GARLK	480630!	51X6497	GARLK	417487
51X4872	GARLK	417597*	51X5066	GARLK	415045!*	51X6230	GARLK	473231	51X6499	GARLK	417487
51X4873	GARLK	416888!	51X5078	GARLK	472397!	51X6231	GARLK	473231	51X6500	GARLK	471267!*
51X4874	GARLK	55392* =	51X5079	GARLK	416339	51X6245	GARLK	450400*	51X6502	GARLK	416288!*
51X4876	GARLK	455406!*	51X5079	GARLK	455031!	51X6252	GARLK	472164!	51X6506	GARLK	471271!
51X4878	GARLK	417602!*	51X5082	GARLK	450124 =	51X6266	GARLK	417474*	51X651	GARLK	471820*
51X488	GARLK	473421*	51X511	GARLK	473435*	51X6271	GARLK	470625!*	51X6510	GARLK	417600*
51X4882	GARLK	417262!	51X512	GARLK	473435*	51X6272	GARLK	472492!	51X6511	GARLK	415088
51X4883	GARLK	417269!	51X513	GARLK	473435*	51X6289	GARLK	471498*	51X6511	GARLK	415088!
51X489	GARLK	473421*	51X514	GARLK	473436*	51X6328	GARLK	417621!	51X6513	GARLK	416167!
51X4891	GARLK	471862*	51X515	GARLK	473436	51X6333	GARLK	455330!*	51X6515	GARLK	455434*
51X4897	GARLK	415025*	51X516	GARLK	473436*	51X6335	GARLK	455583N!*	51X6516	GARLK	473231
51X4899	GARLK	455536*	51X517	GARLK	50168*	51X6340	GARLK	417600*	51X6517	GARLK	471808!*
51X490	GARLK	473211!*	51X518	GARLK	50168*	51X6353	GARLK	473405*	51X6521	GARLK	455462*
51X4900	GARLK	471391!*	51X519	GARLK	50168	51X6356	GARLK	476470*	51X6522	GARLK	471984*
51X4902	GARLK	417269!	51X520	GARLK	450054*	51X6358	GARLK	415991	51X6523	GARLK	471267!*
51X4904	GARLK	416556!	51X521	GARLK	450054*	51X6358	GARLK	455146!	51X6528	GARLK	418028
51X4904	GARLK	472157	51X522	GARLK	450054	51X6359	GARLK	416332!	51X6528	GARLK	455137!
51X4907	GARLK	50026*	51X540	GARLK	472287!*	51X6360	GARLK	415035	51X6529	GARLK	473224!*
51X491	GARLK	473211!	51X558	GARLK	471835!	51X6360	GARLK	415035!	51X6530	GARLK	415072*
51X4912	GARLK	415150!*	51X560	GARLK	472843*	51X6361	GARLK	415196!*	51X6534	GARLK	415991
51X4914	GARLK	416271!*	51X561	GARLK	472843	51X6363	GARLK	416888!	51X6534	GARLK	455146!
51X4916	GARLK	470898	51X574	GARLK	50254* =	51X6365	GARLK	415725!*	51X6541	GARLK	411245!
51X492	GARLK	473211!*	51X575	GARLK	50254* =	51X6366	GARLK	417549!*	51X6545	GARLK	415711*
51X4924	GARLK	417597*	51X576	GARLK	50254* =	51X6369	GARLK	417515*	51X6546	GARLK	472439*
51X4925	GARLK	417606*	51X5886	GARLK	455008*	51X6370	GARLK	416229*	51X6547	GARLK	473237!*

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
51X6548	GARLK	473243*	51X6700	GARLK	415302*	51X6896	GARLK	481073*	51X7145	GARLK	472012*
51X6549	GARLK	473405*	51X6701	GARLK	473214	51X6898	GARLK	470565!*	51X7146	GARLK	350435*
51X6550	GARLK	417605*	51X6705	GARLK	471821!	51X6899	GARLK	473229	51X7152	GARLK	473367!
51X6551	GARLK	473228	51X6706	GARLK	473464!	51X6900	GARLK	470487!	51X7152	GARLK	473367!
51X6554	GARLK	473236!*	51X6706	GARLK	473464	51X6900	GARLK	417316!	51X7153	GARLK	417350!
51X6556	GARLK	417357	51X6707	GARLK	417554!*	51X6901	GARLK	416332!	51X7154	GARLK	415036*
51X6556	GARLK	455192!	51X6708	GARLK	476470	51X6904	GARLK	472397!	51X7155	GARLK	415072*
51X6560	GARLK	412040*	51X671	GARLK	470625!	51X6907	GARLK	415027*	51X7159	GARLK	455005*
51X6563	GARLK	415045!*	51X6711	GARLK	415725!*	51X6914	GARLK	416476!	51X716	GARLK	470682*
51X6564	GARLK	415551*	51X6713	GARLK	417601*	51X6917	GARLK	417525*	51X7160	GARLK	472016*
51X6565	GARLK	417357	51X6714	GARLK	415988*	51X692	GARLK	473440!*	51X7162	GARLK	415351!*
51X6565	GARLK	455192!	51X672	GARLK	470625!	51X6920	GARLK	415294!	51X7165	GARLK	416891!*
51X6568	GARLK	415035	51X6722	GARLK	417601*	51X6921	GARLK	455462*	51X7174	GARLK	472018*
51X6568	GARLK	415035!	51X6723	GARLK	417488!*	51X6923	GARLK	415711*	51X7176	GARLK	471192
51X6573	GARLK	415090*	51X6730	GARLK	417344!	51X6924	GARLK	416666*	51X7177	GARLK	416706!
51X6576	GARLK	470774!	51X6732	GARLK	417176*	51X6927	GARLK	471554!	51X7178	GARLK	55199* =
51X6578	GARLK	415449!	51X6733	GARLK	330385!	51X693	GARLK	473440!	51X7186	GARLK	471760*
51X6580	GARLK	450593!	51X6734	GARLK	416154!*	51X6931	GARLK	55441* =	51X7187	GARLK	415483!
51X6581	GARLK	417603!*	51X6739	GARLK	417621!	51X6934	GARLK	473235!*	51X7192	GARLK	415379
51X6584	GARLK	476470	51X6741	GARLK	417254*	51X6937	GARLK	470625!	51X7192	GARLK	415379!
51X6585	GARLK	455655!*	51X6745	GARLK	471766!	51X6938	GARLK	417269!	51X7194	GARLK	412473!
51X6586	GARLK	415090*	51X6746	GARLK	415683*	51X6939	GARLK	417541*	51X7195	GARLK	480630!
51X6588	GARLK	416654!	51X6749	GARLK	471255!	51X6946	GARLK	417539!*	51X7196	GARLK	415960
51X6590	GARLK	416332!	51X6750	GARLK	415645!	51X6947	GARLK	416364!*	51X7197	GARLK	415995!
51X6592	GARLK	473450	51X6750	GARLK	455104	51X6949	GARLK	415138!*	51X7199	GARLK	417487
51X6593	GARLK	472015!	51X6753	GARLK	474265	51X6950	GARLK	450869*	51X720	GARLK	471316
51X6599	GARLK	416921!	51X6757	GARLK	411376!	51X6952	GARLK	417362!*	51X7205	GARLK	416153!
51X65X7SC TRSCM	51X65X7!		51X6760	GARLK	417603!	51X6955	GARLK	471141!	51X7206	GARLK	415711*
51X65X7TC TRSCM	51X65X7!		51X6762	GARLK	471134*	51X6957	GARLK	470354*	51X7210	GARLK	455151*
51X6600	GARLK	416345!	51X6764	GARLK	455015*	51X6959	GARLK	455476*	51X722	GARLK	473441*
51X6600	GARLK	455033	51X6765	GARLK	417278*	51X6961	GARLK	474264	51X7220	GARLK	455191*
51X6602	GARLK	476470	51X6767	GARLK	415035	51X6966	GARLK	455655!*	51X7221	GARLK	416313*
51X6603	GARLK	415725!*	51X6768	GARLK	417020*	51X6968	GARLK	415021*	51X7223	GARLK	472319*
51X6604	GARLK	472015!	51X6770	GARLK	417604*	51X6971	GARLK	471558*	51X7224	GARLK	415001!
51X6605	GARLK	473243*	51X6773	GARLK	415551*	51X6975	GARLK	9568	51X7226	GARLK	474264
51X6608	GARLK	471870!	51X6774	GARLK	473214	51X6978	GARLK	415196!*	51X7229	GARLK	455189*
51X6610	GARLK	473228	51X6794	GARLK	473367!	51X6981	GARLK	455194*	51X7230	GARLK	415437!
51X6616	GARLK	455476*	51X6794	GARLK	473367	51X6982	GARLK	416345!	51X7230	GARLK	415437
51X663	GARLK	470487!	51X6795	GARLK	471341!	51X6982	GARLK	455033	51X7231	GARLK	417354!*
51X6630	GARLK	55367* =	51X6796	GARLK	417362!	51X6984	GARLK	471564*	51X7233	GARLK	415551*
51X6632	GARLK	455151	51X6797	GARLK	455330!*	51X6990	GARLK	415035	51X7238	GARLK	450104*
51X6634	GARLK	415116*	51X6798	GARLK	415559*	51X6991	GARLK	416125!*	51X7241	GARLK	455406!*
51X6635	GARLK	417542*	51X6799	GARLK	415035	51X6992	GARLK	476838!	51X7245	GARLK	415371*
51X6637	GARLK	471466!	51X6800	GARLK	417082*	51X6993	GARLK	471765!	51X7247	GARLK	417562*
51X6638	GARLK	473240!*	51X6806	GARLK	416339	51X6995	GARLK	471138!*	51X7248	GARLK	473459
51X6639	GARLK	473197	51X6806	GARLK	455031!	51X7007	GARLK	472810!	51X7249	GARLK	415960
51X6640	GARLK	415725!*	51X6832	GARLK	472179	51X7039	GARLK	471539!	51X7253	GARLK	415027!
51X6644	GARLK	457874	51X6833	GARLK	417606*	51X705	GARLK	472299	51X7253	GARLK	415027!
51X6645	GARLK	415991	51X6835	GARLK	417509*	51X7060	GARLK	474256	51X7254	GARLK	473234
51X6645	GARLK	455146!	51X6838	GARLK	9568	51X7069	GARLK	470774!	51X7255	GARLK	417351!
51X6651	GARLK	417343!*	51X6839	GARLK	476470*	51X7072	GARLK	474264	51X7258	GARLK	416892!*
51X6652	GARLK	417496*	51X6840	GARLK	417506*	51X7081	GARLK	473237!*	51X7259	GARLK	450133*
51X666	GARLK	473440!	51X6842	GARLK	417020*	51X7090	GARLK	471271!	51X726	GARLK	450273
51X6664	GARLK	415379	51X6844	GARLK	455397*	51X7091	GARLK	415082*	51X7262	GARLK	474274
51X6664	GARLK	415379!	51X6847	GARLK	417526*	51X7099	GARLK	472924!	51X7265	GARLK	417362!*
51X6665	GARLK	417541*	51X6853	GARLK	472394*	51X7101	GARLK	417604	51X7269	GARLK	415437
51X6667	GARLK	470059	51X6856	GARLK	471255!	51X7104	GARLK	415458!	51X7269	GARLK	415437!
51X6667	GARLK	470380!	51X6857	GARLK	471692!	51X7110	GARLK	416888!	51X7270	GARLK	417181!*
51X6668	GARLK	413478*	51X6858	GARLK	55141*	51X7114	GARLK	415551*	51X7272	GARLK	472492!
51X6670	GARLK	415294!	51X6860	GARLK	473010	51X7115	GARLK	415991	51X7276	GARLK	416077*
51X6674	GARLK	471795	51X6864	GARLK	417073*	51X7115	GARLK	455146!	51X7277	GARLK	417474
51X6675	GARLK	450165	51X6865	GARLK	417481*	51X7120	GARLK	417366!*	51X7280	GARLK	471821!
51X6675	GARLK	471801!	51X6866	GARLK	412871!	51X7121	GARLK	473437*	51X7282	GARLK	416339
51X6678	GARLK	417082*	51X6868	GARLK	417351!	51X7125	GARLK	473231	51X7282	GARLK	455031!
51X6679	GARLK	417191	51X6870	GARLK	455134!*	51X7128	GARLK	416666*	51X7284	GARLK	417539!*
51X6679	GARLK	456585	51X6871	GARLK	417515*	51X7130	GARLK	471316	51X7285	GARLK	411245!
51X6680	GARLK	416921!	51X6872	GARLK	417362!*	51X7134	GARLK	416154!*	51X7289	GARLK	417191
51X6682	GARLK	472636!	51X6888	GARLK	417584*	51X7137	GARLK	470059	51X7289	GARLK	456585
51X6687	GARLK	415077*	51X689	GARLK	470487!	51X7137	GARLK	470380!	51X7291	GARLK	416891!*
51X669	GARLK	474281!	51X6892	GARLK	416239!*	51X7140	GARLK	472029*	51X7292	GARLK	417316!
51X6692	GARLK	417355!*	51X6893	GARLK	416865!*	51X7141	GARLK	416556!	51X7299	GARLK	471529*
51X670	GARLK	470625!	51X6895	GARLK	455406!*	51X7141	GARLK	472157	51X7307	GARLK	472164!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
51X7313	GARLK	418028	51X7559	GARLK	417356!	51X779	GARLK	474274	51X8205	GARLK	417596
51X7313	GARLK	455137!	51X7559	GARLK	455188	51X7791	GARLK	416339	51X8208	GARLK	417513*
51X7314	GARLK	55199*=	51X7560	GARLK	416154!*	51X7791	GARLK	455031!	51X821	GARLK	450415*
51X7317	GARLK	417562*	51X7561	GARLK	417602!*	51X7795	GARLK	417247!*	51X8213	GARLK	472636!
51X7318	GARLK	455406!*	51X7562	GARLK	415219*	51X7796	GARLK	455584*	51X8214	GARLK	455820*
51X732	GARLK	451817	51X7563	GARLK	472492!	51X7803	GARLK	415196!*	51X822	GARLK	450415
51X7320	GARLK	471424!*	51X7564	GARLK	471271!	51X7812	GARLK	416345!	51X8222	GARLK	417621!
51X7324	GARLK	415027*	51X7566	GARLK	416865!*	51X7812	GARLK	455033	51X8224	GARLK	455191*
51X7327	GARLK	471887*	51X7568	GARLK	470625!	51X7814	GARLK	415035	51X8231	GARLK	417191
51X7328	GARLK	415995!	51X7572	GARLK	417316!	51X7819	GARLK	416167!	51X8231	GARLK	456585
51X7332	GARLK	415027*	51X7574	GARLK	415303!*	51X7824	GARLK	415090*	51X8233	GARLK	476470*
51X7334	GARLK	455144*	51X7578	GARLK	417522	51X7825	GARLK	417597*	51X8238	GARLK	417606*
51X734	GARLK	450065*	51X7590	GARLK	472157	51X7829	GARLK	416664!	51X8243	GARLK	415072*
51X7342	GARLK	415645!	51X7590	GARLK	472157!	51X7831	GARLK	471646!	51X8245	GARLK	417487
51X7342	GARLK	455104	51X7594	GARLK	416271!*	51X7837	GARLK	417513*	51X8248	GARLK	470950!
51X7346	GARLK	451948*	51X7603	GARLK	416476!	51X7839	GARLK	417252*	51X8248	GARLK	6241S
51X7347	GARLK	415027	51X7610	GARLK	417549!*	51X7840	GARLK	55357*	51X825	GARLK	414268!
51X7347	GARLK	415027!	51X7611	GARLK	417198*	51X7842	GARLK	472020*	51X8251	GARLK	417596*
51X7348	GARLK	417535*	51X7612	GARLK	415072*	51X7861	GARLK	415196!*	51X8252	GARLK	415294!
51X7349	GARLK	475384*	51X7615	GARLK	415027	51X7864	GARLK	450285*	51X8262	GARLK	415124*
51X735	GARLK	450065*	51X7615	GARLK	415027!	51X7873	GARLK	473231	51X8265	GARLK	481792*
51X7350	GARLK	415991	51X7616	GARLK	416332!	51X7877	GARLK	415066*	51X8266	GARLK	473444
51X7350	GARLK	455146!	51X7626	GARLK	417549!*	51X7879	GARLK	417780*	51X8267	GARLK	471551!
51X7353	GARLK	417601*	51X7629	GARLK	417562*	51X7880	GARLK	416556!	51X8270	GARLK	410308!
51X7357	GARLK	412473!	51X7633	GARLK	471887*	51X7880	GARLK	472157	51X8272	GARLK	471472!
51X7358	GARLK	471646!	51X7642	GARLK	416294!*	51X790	GARLK	473231	51X8274	GARLK	473239
51X7364	GARLK	455019!*	51X7646	GARLK	473454	51X7907	GARLK	470950!	51X8275	GARLK	450165
51X7366	GARLK	417550*	51X7649	GARLK	472018*	51X7907	GARLK	6241S	51X8275	GARLK	415327!
51X7368	GARLK	455480!*	51X7652	GARLK	417541*	51X7909	GARLK	417602!*	51X8278	GARLK	416153!
51X7371	GARLK	415551*	51X7653	GARLK	415076*	51X791	GARLK	473231	51X8280	GARLK	415379!
51X7372	GARLK	471808!*	51X7659	GARLK	415034!	51X7915	GARLK	471835!	51X8280	GARLK	415379
51X7374	GARLK	476470	51X7661	GARLK	471192	51X792	GARLK	473231	51X8284	GARLK	474256
51X7375	GARLK	417596*	51X7668	GARLK	417316!	51X7922	GARLK	55223*=	51X8292	GARLK	473458!*
51X7382	GARLK	411253!	51X7669	GARLK	417298*	51X793	GARLK	473367!	51X8293	GARLK	473238!*
51X7386	GARLK	472258!*	51X7670	GARLK	476470	51X793	GARLK	473367	51X830	GARLK	473445*
51X7389	GARLK	415379	51X7671	GARLK	415259!*	51X7937	GARLK	2081	51X8300	GARLK	415327*
51X7389	GARLK	415379!	51X7675	GARLK	471787!	51X794	GARLK	473367	51X8306	GARLK	416107!
51X7390	GARLK	471766!	51X7677	GARLK	472319*	51X794	GARLK	473367!	51X8306	GARLK	455073
51X7391	GARLK	474255	51X7684	GARLK	473234	51X795	GARLK	473367!	51X8309	GARLK	417538*
51X740	GARLK	482253*	51X7685	GARLK	415938*	51X795	GARLK	473367	51X831	GARLK	473445*
51X7402	GARLK	415088	51X7686	GARLK	415041*	51X799	GARLK	450260*	51X8310	GARLK	417539!*
51X7402	GARLK	415088!	51X7687	GARLK	481792	51X7993	GARLK	417273*	51X8311	GARLK	415437
51X7409	GARLK	416107!	51X7689	GARLK	416158*	51X800	GARLK	450260*	51X8311	GARLK	415437!
51X7409	GARLK	455073	51X7690	GARLK	415187*	51X801	GARLK	450260	51X8314	GARLK	471765!
51X741	GARLK	482253	51X7695	GARLK	474281!	51X805	GARLK	450073*	51X8328	GARLK	455197N*
51X7418	GARLK	415683*	51X770	GARLK	473010	51X806	GARLK	450073*	51X8330	GARLK	416154!*
51X7419	GARLK	476470	51X7700	GARLK	413246	51X807	GARLK	450073	51X8331	GARLK	417258*
51X7420	GARLK	472029*	51X7717	GARLK	417171!*	51X8102	GARLK	455556*	51X8384	GARLK	415867*
51X7423	GARLK	6936S	51X7722	GARLK	472157!	51X8104	GARLK	472299*	51X839	GARLK	473235!*
51X743	GARLK	451469*	51X7722	GARLK	472157	51X8111	GARLK	417196!*	51X8396	GARLK	415937!*
51X7433	GARLK	415072*	51X7723	GARLK	472636!	51X8112	GARLK	417511*	51X8400	GARLK	415142*
51X7435	GARLK	472020*	51X7745	GARLK	417556*	51X8117	GARLK	415023	51X8401	GARLK	473454
51X7436	GARLK	415327*	51X7746	GARLK	450908=	51X8120	GARLK	415371*	51X8404	GARLK	413469!*
51X7439	GARLK	55199*=	51X7747	GARLK	417484!	51X8127	GARLK	416891!*	51X8409	GARLK	471633!*
51X7440	GARLK	415379	51X7749	GARLK	417534*	51X8128	GARLK	417355!*	51X8410	GARLK	417512*
51X7440	GARLK	415379!	51X7752	GARLK	471760*	51X8129	GARLK	470774!	51X8416	GARLK	410737!
51X7447	GARLK	470059	51X7758	GARLK	417601*	51X8131	GARLK	450285*	51X8417	GARLK	455584*
51X7447	GARLK	470380!	51X7759	GARLK	457874	51X8135	GARLK	473227	51X8419	GARLK	415138!*
51X7448	GARLK	415036*	51X7764	GARLK	416273!	51X8140	GARLK	455462*	51X8423	GARLK	415072*
51X7510	GARLK	472311!	51X7765	GARLK	418028	51X8151	GARLK	415991	51X8430	GARLK	456105*
51X7516	GARLK	474278!	51X7765	GARLK	455137!	51X8151	GARLK	455146!	51X8437	GARLK	55301S*
51X7518	GARLK	471766!	51X7768	GARLK	450307*	51X8153	GARLK	415458!	51X8442	GARLK	417252*
51X7523	GARLK	471862*	51X7772	GARLK	455820*	51X8154	GARLK	416404!*	51X8443	GARLK	416229*
51X753	GARLK	450274	51X7774	GARLK	415227!*	51X8156	GARLK	417171!*	51X8460	GARLK	416891!*
51X7542	GARLK	417349*	51X7775	GARLK	455556*	51X8161	GARLK	415045!*	51X8462	GARLK	415090*
51X7544	GARLK	415437	51X7776	GARLK	415458!	51X8165	GARLK	415066*	51X8466	GARLK	417509*
51X7544	GARLK	415437!	51X7780	GARLK	415128*	51X8169	GARLK	457874*	51X8469	GARLK	415871*
51X7549	GARLK	413246	51X7783	GARLK	417604*	51X8173	GARLK	416077*	51X8470	GARLK	417159*
51X7551	GARLK	415088	51X7784	GARLK	417181!*	51X8187	GARLK	472475*	51X8471	GARLK	417556*
51X7551	GARLK	415088!	51X7785	GARLK	455123*	51X8188	GARLK	455019!*	51X8477	GARLK	455026*
51X7554	GARLK	415683!	51X7786	GARLK	455123*	51X8192	GARLK	417273*	51X8488	GARLK	455566*
51X7555	GARLK	471984*	51X7787	GARLK	417351!	51X820	GARLK	450415*	51X8494	GARLK	415482*

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
51X8498	GARLK	471341!	51X875	GARLK	50075*	51X963	GARLK	471984	52056	GARLK	472397!
51X8521	GARLK	412040*	51X8752	GARLK	417362!*	51X964	GARLK	473313	520571	C-R	8705S
51X8530	GARLK	416664!	51X8755	GARLK	55223*	51X965	GARLK	473313	5205717	CLARK	473224!
51X8551	GARLK	416149*	51X8756	GARLK	417020*	51X966	GARLK	473313	520585	C-R	8549S
51X8556	GARLK	417507!	51X8757	GARLK	417494*	51X977	GARLK	472070*	5205865	CLARK	5965
51X8556	GARLK	417507!	51X8758	GARLK	417020*	51X980	GARLK	471866!	5205963	CLARK	412040
51X8560	GARLK	417604*	51X876	GARLK	50075=	51X981	GARLK	471866!	5205B	JN-MN	416404!*
51X8566	GARLK	455576!*	51X877	GARLK	50191*	51X983	GARLK	473449	5206	SEALD	5206
51X8569	GARLK	471818*	51X8775	GARLK	417298*	51X987	GARLK	480281!	5206	TIMKE	5206
51X8570	GARLK	415263*	51X8778	GARLK	416163*	51X992	GARLK	473450	5206032	CLARK	473440
51X8571	GARLK	413248	51X878	GARLK	50191*	51X993	GARLK	473450	5206279	CLARK	472572!
51X8572	GARLK	472029*	51X8780	GARLK	415991	5200	SEALD	5200	5206513	CLARK	415449!
51X8573	GARLK	415001!	51X8780	GARLK	455146!	5200	TIMKE	5200	5206542	CLARK	415449!
51X8579	GARLK	417601*	51X8787	GARLK	415259!*	52006	GARLK	471424!	52066	NATL	484058
51X8585	GARLK	415072*	51X879	GARLK	50191	52007658	CHRY	4739*	5206673	CLARK	470954!
51X8591	GARLK	415871*	51X8790	GARLK	473441*	52007661	CHRY	4740	52067595	CHRY	473235
51X8592	GARLK	417211!*	51X8797	GARLK	413247!	5201	SEALD	5201	52067596	CHRY	5126
51X8596	GARLK	455584*	51X8819	GARLK	455406!*	5201	TIMKE	5201	520687	UNIVE	417556
51X8608	GARLK	455022*	51X8824	GARLK	417254*	520104	C-R	473179	520688	MICH	417556
51X862	GARLK	50327*	51X8825	GARLK	416891!*	52018H	IH	5M867	5207	SEALD	5207
51X8628	GARLK	417542*	51X8828	GARLK	455462*	5202	SEALD	5202	5207	TIMKE	5207
51X8629	GARLK	417539!*	51X8830	GARLK	415559*	5202	TIMKE	5202	520709	CONTI	50199S!
51X8631	GARLK	416167!	51X8833	GARLK	416664!	520226	NATL	470590	520709	CONTI	6863S!
51X8633	GARLK	416154!*	51X8836	GARLK	417171!*	52023	GARLK	472492!	52071	GARLK	473242
51X8635	GARLK	455197N*	51X8845	GARLK	417541*	520269	FULLE	472164	520737	C-R	472397!
51X8636	GARLK	415196!*	51X8846	GARLK	417547*	520280	AVCO	240356	520777	CONTI	473473
51X8638	GARLK	417205!*	51X8847	GARLK	417497*	520280	CONTI	240356	5208	TIMKE	5208
51X864	GARLK	50327*	51X8848	GARLK	410987!*	520280	HERCU	240356	5208359	CLARK	J1122
51X8640	GARLK	415984!*	51X8856	GARLK	417537*	520282	GMC	9613S	5208A	C-R	5957S
51X8643	GARLK	472572!*	51X886	GARLK	50081*	5202OSR	JN-MN	474265	5208J	OSHKO	417351!
51X8646	GARLK	450068*	51X8864	GARLK	418028	5203	SEALD	5203	5209514	CLARK	470605!
51X8652	GARLK	50254* =	51X8864	GARLK	455137!	5203	TIMKE	5203	521	C-R	5M81
51X8657	GARLK	417262!*	51X8868	GARLK	417605*	520317	CLARK	7412S	5210	DICO	203005!
51X8662	GARLK	417020*	51X887	GARLK	50081*	5203465	CHRY	3655	5210	DICO	205005
51X8663	GARLK	417541*	51X8870	GARLK	415683*	52035	GARLK	472924!	5210	TIMKE	5210
51X8665	GARLK	417603!*	51X8875	GARLK	50327*	5203590	CHRY	710056	521012	CONTI	474278!
51X8668	GARLK	455685*	51X8879	GARLK	450593!	5203603	CLARK	473232!	521025	C-R	9584
51X8676	GARLK	417159	51X888	GARLK	50081*	5203611	CLARK	416339	521026	C-R	415983N!
51X8678	GARLK	417366!*	51X8881	GARLK	416556!	5203613	CLARK	417538	521050	C-R	6864S
51X8679	GARLK	455151*	51X8881	GARLK	472157	5203614	CLARK	455566	521162	C-R	370015A
51X8680	GARLK	415227!*	51X8886	GARLK	470596*	5203618	CLARK	417551	521192	CONTI	471554!
51X8681	GARLK	417501*	51X8887	GARLK	471413	5203620	CLARK	470898	5211B	JN-MN	470682*
51X8682	GARLK	470645*	51X8903	GARLK	417191	5203645	CLARK	415938	52120	TROS	40438S
51X8683	GARLK	417511*	51X8903	GARLK	456585	5203648	CLARK	415035!	5212535	CHRY	5604
51X8687	GARLK	415128*	51X8904	GARLK	416107!	5203649	CLARK	417546!	5212536	CHRY	5604
51X8696	GARLK	417485*	51X8904	GARLK	455073	5203651	CLARK	472016!	521262	C-R	7687S
51X8697	GARLK	417509*	51X8907	GARLK	415045!*	5203655	CLARK	455290	521263	C-R	9178S
51X8698	GARLK	455297*	51X8912	GARLK	417542*	5203661	CLARK	416956	521265	C-R	9195S=
51X8700	GARLK	418028	51X8917	GARLK	415090*	5203683	CLARK	470625!	5212B	JN-MN	471736
51X8700	GARLK	455137!	51X895	GARLK	470086*	5203686	CLARK	415027	5212LUP	JN-MN	471736
51X8704	GARLK	470625!	51X897	GARLK	470086	5203687	CLARK	471466!	521316	C-R	9339S
51X8705	GARLK	480281!	51X9009	GARLK	471688*	5203688	CLARK	416624!	521317	CONTI	417344!
51X8708	GARLK	417780*	51X9013	GARLK	352541*	5203689	CLARK	415085!	5213271	VICK	470712!
51X871	GARLK	450068*	51X917	GARLK	473447*	5203692	CLARK	471138!	521351	CONTI	417191
51X8712	GARLK	415645!	51X920	GARLK	470334!	5203693	CLARK	417343!	521351	CONTI	455165!
51X8712	GARLK	455104	51X920	GARLK	50289	5203695	CLARK	473237!	521371	ALLCH	472185!
51X872	GARLK	450068*	51X929	GARLK	471984*	5203696	CLARK	470954!	521430	C-R	487945
51X8724	GARLK	473463*	51X932	GARLK	473313	5203699	CLARK	472015!	521473	C-R	443527=
51X8726	GARLK	417349*	51X941	GARLK	50266*	5203703	CLARK	472020	5214OSR	JN-MN	415035
51X8728	GARLK	470605!*	51X942	GARLK	50266	5203902	CLARK	5971	5214OSR	JN-MN	415035!
51X873	GARLK	450068	51X944	GARLK	450269*	5203903	CLARK	412040	521507	C-R	416892!
51X8731	GARLK	417356!	51X945	GARLK	450269	5204	SEALD	5204	521520	C-R	416556!
51X8731	GARLK	455188	51X947	GARLK	450285*	5204	TIMKE	5204	521520	C-R	472157
51X8732	GARLK	473239	51X948	GARLK	450285	520402	CONTI	473211!	521522	C-R	472157!
51X8734	GARLK	471820*	51X950	GARLK	471866!*	520428	CONTI	415458!	521522	C-R	472157
51X8736	GARLK	415072*	51X9501	GARLK	330385!	5204620	CLARK	415559	521523	C-R	416556!
51X8738	GARLK	470565!*	51X9515	GARLK	471267!*	5204633	CLARK	470354	521523	C-R	472157
51X874	GARLK	50075* =	51X958	GARLK	473448*	5204691	CLARK	415294!	521566	C-R	411245!
51X8744	GARLK	417357	51X959	GARLK	473448*	5204LA	JN-MN	474256	521568	C-R	411500
51X8744	GARLK	455192!	51X960	GARLK	473448	5204LPD	JN-MN	474256	52159	GARLK	473204
51X8745	GARLK	416891!*	51X961	GARLK	471984*	5205	TIMKE	5205	521627	C-R	416404!
51X8747	GARLK	415867*	51X962	GARLK	471984*	5205591	CHRY	3459	52164282	IG-RA	416153!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
521683	C-R	417621!	5231	NATL	39807	5246317	SPICE	240319	52548	C-R	472157!
521684	C-R	416404!	52317	GARLK	471138!	5246318	SPICE	416921!	52548	C-R	472157
521686	C-R	417621!	523192	ADAMS	471224!	5246319	SPICE	472258	52548	GARLK	470605!
521697	C-R	417210!	5232	NATL	39723	5246320	SPICE	240319	52548M1	C-R	416556!
521703	C-R	417366!	52329	GARLK	472636!	5246326	SPICE	455402=	52548M1	C-R	472157
52171	GARLK	470898	5233	NATL	39705	5246328	SPICE	472560N	5254SH	JN-MN	472560N*
5217B	JN-MN	415483!	523325R91	IH	40101S	524634	C-R	204027	5254SS	JN-MN	472560N!
521810	C-R	415871	523376	C-R	450285	5247	NATL	417621	52551	GARLK	415449!
521835	C-R	417158!	5234	NATL	39701	524700	MICH	416666	52557	GARLK	415449!
521836	C-R	417344!	52341	GARLK	412920!	524700	UNIVE	416666	5256	SKIL	471264
521837	C-R	416921!	52348D	IH	412473!	52475	C-R	447060	525606	ALLCH	472311!
521841	C-R	416921!	5234LA	JN-MN	471192	52479D	IH	472070	525629	C-R	415937
521842	C-R	417344!	523620	CONTI	471270!	52480	C-R	417262!	52569	GARLK	416273
521844	C-R	416921!	523646	C-R	2043	524803	C-R	6649	5256B	JN-MN	412920!
52186	GARLK	472015!	523675	C-R	416070	52484	C-R	417358	5257169	GMC	455858
521883	ALLCH	450765!	523700	ADAMS	471192	52485	C-R	417358	5257224	GMC	5487
521915	C-R	415958	523700	LETN	471192	52486	C-R	417358	5257225	GMC	455858
521915	C-R	415958!	5237486	GMC	473467	52487	C-R	417358	52573	HYST	473227!
521924	C-R	474276	523763	C-R	8750S	52488	C-R	415645!*	5257B	JN-MN	417350!
521925	CONTI	474260	5239SS	JN-MN	471281!*	5248B	JN-MN	473420*	5258	SPG	5001
52198	GARLK	472016!	523D6	WHITE	5401	5249	SPG	5071	52583	OLIVE	353132
5220	C-R	13X26X7	5240542	CHRY5	3476	52490	C-R	415645!	5259	ROTO	471466!
522010	C-R	416345!	5240692	CHRY5	25598	52490	C-R	455104	525978	ALLCH	411253!
522068	ADAMS	411253!	524096	ONAN	6489	52491	C-R	415645!	525F48	C-R	416556!
5221	C-R	13X26X7	5240B	JN-MN	55441!*	52491	C-R	455104	525F48	C-R	472157
52210	GARLK	473243	5241	DIVCO	473179	52494	C-R	415645!	525H	CHRY5	473426
522104	C-R	416404!	524109	CONTI	471692!	52494	C-R	455104	525H	DURA	473426
522107	C-R	417621	524207	C-R	413246	52495	C-R	415645!	525H48-T8	C-R	472157*
522108	C-R	417621	52422	GARLK	470565!	52496	C-R	415645!	5260939	CLARK	415036
522146	ADAMS	471554!	52424	C-R	415294!	52496	C-R	455104	5260F	GOODM	415294!
5221LA	JN-MN	450307	524314	C-R	455471	524965	C-R	5401	52617	GARLK	413248
522241	CONTI	474255	524316	C-R	415559	524966	C-R	5487	526199	ALLCH	204008
5222798	CHRY5	3816*	524322	C-R	416670	52497	C-R	415645!	52623	HYST	40337S
5222SS	JN-MN	471354!*	524324	C-R	415150!	52499	C-R	415645!	52625TA	TRSCM	417262!
522309	WOOL	417205!	524326	C-R	455189	52499	C-R	455104	5263	SPG	5422
522433	C-R	5778	524328	C-R	417366!	524B41608	TROS	415196!	52632	C-R	417359
522434	C-R	6808N	524330	C-R	455191	524D6	DIA	5405	52632	GARLK	415483
522467	CONTI	471442!	52434	C-R	415394*	524D6	WHITE	5405	52633	C-R	417359
5224B	JN-MN	450593!	52434	GARLK	413246	524E44	C-R	415142	52633	WAYNE	415041
52257	ALLCH	416865!	52436008.5	TROS	370008A	524H326	C-R	455189*	52634	C-R	417359
522574	C-R	3604	52438	C-R	455328*	524N316-T8	C-R	6612S*	52635	C-R	417359
52260	TROS	471787!	5244	C-R	417357	5250	C-R	13X28X7!	5264	SPG	5424
522631	C-R	417487	5244	C-R	455192!	52500	C-R	415645!	52644	GARLK	415458!
522678	ADAMS	471341!	52440008	TROS	370015A	525085	C-R	5131	52648	C-R	417549!
52273	TROS	6547	524416	C-R	327303!	5252053	CHRY5	223253	526497	C-R	471271!
522825	C-R	473473	52441608	TROS	415196!	5252499	CHRY5	8660S	526499	C-R	417484
522826	C-R	9363S	52442	C-R	55193!*	525252	C-R	473367*	5264G	GOODM	416229
522827	C-R	9161	52444	C-R	415142*	525252	C-R	473367	52650	C-R	417549!
522849	C-R	416273	52444Q6	C-R	415142*	525252	C-R	473367	526509XX	TIMKE	52X65X9
522887	ADAMS	473464	52445	C-R	417262!	525314	C-R	455471	52656	GARLK	417343!
522887	LETN	410059	52445	C-R	417262*	525316	C-R	415559	52658	C-R	370069A
522887	LETN	470380!	52446	C-R	455194*	525324	C-R	415150!*	5265B	JN-MN	415021*
5228B	JN-MN	55239!*	52446	GARLK	413247!	525324	MINMA	415150!	52660	C-R	370069A
522958	ADAMS	472015!	52447	C-R	417262=	525324M1	C-R	415150!*	52664	C-R	370069A
522958	LETN	472015!	52447M1	C-R	472157	525326	C-R	455189*	52675TA	TRSCM	417549!
522959	ADAMS	455655!	52447M1	C-R	472157!	525328	C-R	417366!*	526808XX	TIMKE	52X68X8
522959	WABCO	455655!	52448	C-R	472157!	525328M1	C-R	417366!*	52683	GARLK	416664!
522D6	DIA	5403	52448	C-R	472157	525330	C-R	455191*	52689	GARLK	415984!
522D6	WHITE	5403	52448M1	C-R	472157!	525330M1	C-R	455191*	5269	ROTO	473464
5230	C-R	13X27X7	52448M1	C-R	472157	52534	C-R	415394*	5269	ROTO	473464!
5230	NATL	415937	524496	C-R	2146	52536	GARLK	471271!	526910XX	TIMKE	52X69X10
5230007	GMC	471526!	52450	C-R	417262!	52538	C-R	455328*	52698	GARLK	415984!
523027R91	IH	204008	52451	C-R	417262!	5254	C-R	13X28X7!	5269LPD	JN-MN	471744!*
52303	GARLK	471272!	524569	LETN	415995!	52542	C-R	55193!*	527008XX	TIMKE	52X70X8
523037	C-R	415991	524569	LETN	415995!	52544	C-R	415142*	5270SS	JN-MN	471103!
523037	C-R	415991!	52457	C-R	417262!	52544	MARI	415142	52710	GARLK	417316!
523047	ADAMS	473214!	52458	C-R	417262!	52544M1	C-R	415142*	527176	C-R	370023A
523047	LETN	473214	52459	C-R	417262!	52544Q6	C-R	415142*	52719	GARLK	415960
523061	ADAMS	472924!	52461	GARLK	416271!	52546	C-R	455194*	5271SS	JN-MN	472258!
523061	LETN	472924!	5246314	SPICE	473228	52546M1	C-R	455194*	527208XX	TIMKE	52X72X8
523088	ADAMS	415984!	5246315	SPICE	415449!	52547	C-R	472157!	52721	TROS	5596=
5231	NATL	2297	5246316	SPICE	472258	52547	C-R	472157	5273	TIMKE	5273

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
527302	CLARK	417562	529684R91	IH	472129=	530329D	SPG	712132	5319970147	DETRO	917117
5273B	JN-MN	417780*	5296B	JN-MN	417273	53033	GARLK	415995!	5320B	JN-MN	471391!
5274	TIMKE	5274	5297073	CLARK	417496	53033	GARLK	415995!	532101	BENDI	350435
527418	C-R	7214	52975D	IH	474265	5303625	CLARK	412473!	5321B	JN-MN	472319*
5274A	TIMKE	5274A	5297SH	JN-MN	417267	5303635	CLARK	471424!	53220	TROS	416297
527512XX	TIMKE	52X75X12	5298SS	JN-MN	470712!	5303655	CLARK	455290	53221	TROS	415960
52753HA	IH	5957S	52D3	WHITE	471442!	530370	FRUEH	370065A	53222	TROS	415857!
5276	TMTR	473215!	52X17925A	JOHND	240435	530370	FRUEH	376590A	5322B	JN-MN	416167!
527677	C-R	5121	52X65X9SC	TRSCM	52X65X9!	53042	GARLK	417351!	53232009	TROS	455612=
5276LA	JN-MN	471391!	52X65X9TC	TRSCM	52X65X9!	530475	ALLCH	472193!	53234409	TROS	417502
5277	TIMKE	5277	52X68X8SC	TRSCM	52X68X8!	530480	FRUEH	370065A	53236	GARLK	417181!
52770	GARLK	415303!	52X68X8TC	TRSCM	52X68X8!	530480	FRUEH	376590A	53236009	TROS	417506
527739R91	IH	473225	52X69X10SC	TRSCM	52X69X10	530488	CHRYSS	473464!	53240009	TROS	415036
5278	TIMKE	5278	52X69X10TC	TRSCM	52X69X10	530488	CHRYSS	473464	53240310	TROS	417505
52782	GARLK	417344!	52X70X8SC	TRSCM	52X70X8!	530489	CHRYSS	411253!	53240409	TROS	455037
527870	C-R	712625	52X70X8TC	TRSCM	52X70X8!	530507	C-R	6283S	532404X09	TROS	417506
5278LA	JN-MN	416167!	52X72X8SC	TRSCM	52X72X8!	530520	CONTI	330385	53241010	TROS	9128S
5279	TIMKE	5279	52X72X8TC	TRSCM	52X72X8!	530573	AVANT	40769S	53241609	TROS	416891!
52791	GARLK	417158!	52X75X12SC	TRSCM	52X75X12	53058	IPS	1012	53243208	TROS	416888!
52797	MASTE	471570!	52X75X12TC	TRSCM	52X75X12	53058	IPS	1012N	53243209	TROS	416888!
5279A	TIMKE	5279A	52X80X10	SIMRT	52X80X10	53058	IPS	45X62X8!	53243210	TROS	416888!
527H2	WHITE	473367!	52X80X10SC	TRSCM	52X80X10	5305SS	JN-MN	471529	532467	CONTI	471341!
527H2	WHITE	473367	52X80X10TC	TRSCM	52X80X10	530607	C-R	200855	532471	CONTI	471529
528	C-R	5M89	52X82X8SC	TRSCM	52X82X8	5307SS	JN-MN	471652	532489	CONTI	476838!
5280	C-R	13X30X7!	52X82X8TC	TRSCM	52X82X8	530806R91	IH	472018=	532496	C-R	3909
528010A	HARWA	52X80X10	52X85X8AN	ISP	52X85X7*	530859	CONTI	416956	5324SH	JN-MN	40208*
528010XX	TIMKE	52X80X10	53	UNIVE	471553!	530875	C-R	8998	5324SS	JN-MN	472324!
5280B	JN-MN	55301S*	530000	GEHL	472439	53088	IPS	225230	5325	SPG	6077
52812	GARLK	416921!	53000237	CHRYSS	4019N	53088	IPS	52X72X8!	532506	CONTI	471647
528208XX	TIMKE	52X82X8	53000239	AMC	470547	53089	IPS	225420	532508	CONTI	471571
528367	C-R	370021A	530003	GEHL	473016!	53089	IPS	54X72X10!	532509	C-R	370003A
528370	C-R	370019A	53000476	CHRYSS	473212!	53091	IPS	225110	532509	C-R	380003A
528507XX	TIMKE	52X85X7	530006	GEHL	471138!	53091	IPS	51X65X7!	532510	CONTI	471551!
52852	MASTE	450133	530008	GEHL	471276	53094	IPS	224820	532534	CONTI	474253!
52852	RELEE	450133	530009	GEHL	291099	53094	IPS	48X62X8!	53262	TROS	1091=
528576	ACF	471264	530012	GEHL	471760	53096	IPS	226285	532663	WHITE	455022
52869D	IH	415995!	530013	GEHL	240319	53096	IPS	62X85X8!	532664	WHITE	418028
52869D	IH	415995!	530014	GEHL	481163!	530969R91	IH	473367	532664	WHITE	455137!
5287	TIMKE	5287	530016	GEHL	473225!	53102	IPS	224045	532665	COC	416339
528712	UNIVE	416476!	530017	GEHL	472924!	53102	IPS	40X62X12!	532665	COC	455031!
528713	MICH	416476!	530019	GEHL	473454	53102	TROS	7934S	532665	WHITE	416339
5287A	TIMKE	5287A	530021	GEHL	474278!	53102S	TROS	7934S	532665	WHITE	455031!
5289	ROTO	450415	530022	GEHL	471272!	53104	GARLK	417621!	53275	GARLK	417353!
528920	C-R	471224!	5300241	EATON	J1126	53106	IPS	1174	5329	SPG	6465
528942	C-R	370065A %	53002642	AMC	473452	53106	IPS	38X52X8.5!	5329	TIMKE	5329
528942	C-R	376590A >	5300331	EATON	J1136	531094	C-R	416444	532957	C-R	340872
528955	C-R	9316	5300381	EATON	415725!	531098	C-R	470596	532990	CONTI	472354!
52896HA	IH	5871	530038100	EATON	415725!	53114	IPS	224835	532GC220A	MACK	5645 \$
52896HAX	IH	5871	53005629	CHRYSS	713103	53114	IPS	48X68X10!	5331	SPG	473229
52896HX	IH	5871	53005630	CHRYSS	713103	53119	IPS	224045	533161	ONAN	6403=
528977	C-R	470954!	53005837	CHRYSS	328039	53119	IPS	40X62X12!	53320	TROS	415060
529023	ALLCH	412473!	530060	CHRYSS	473471	53120	IPS	225010	53320	TROS	455060
529029	ALLCH	472354!	53009	GARLK	417349!	53120	IPS	50X65X8!	533225	CONTI	473441
529046	ALLCH	471737	530102R91	IH	416664!	531240	C-R	474274	533226	CONTI	417474
529057	ALLCH	470954!	53011	IPS	1012	531284	C-R	715101	53326D	IH	472016
529192	C-R	472015	53011	IPS	1012N	5313	TIMKE	5313	5333	C-R	471530*
5291LA	JN-MN	416102	53011	IPS	45X62X8!	53135	C-R	135X160X13	53338DA	IH	210914
5291LUP	JN-MN	416102	53013D	IH	415379	531378	CONTI	471526!	5334	C-R	471530*
529266	C-R	3385	530165	CHRYSS	415449!	531379	CONTI	450188	53346	GARLK	416294!
5292722	CLARK	415559	5301691	EATON	471255!	53130SR	JN-MN	416332!	5335	LAU	471570!
5292736	CLARK	472020	53018	GARLK	417350!	53140	C-R	135X160X13	53358DA	IH	210945
5292SS	JN-MN	471539!	53020488	CHRYSS	713103	53143	GARLK	417171!	5336	SPG	473179
52931D	IH	450048	53021103	CHRYSS	328039	531488	C-R	450474	53364	GARLK	412473!
52940S	TROS	473367!	53024	IPS	1174	5314B	JN-MN	416167!	53366	NATL	472409
52940S	TROS	473367	53024	IPS	38X52X8.5!	53150	C-R	417550	53370	C-R	417554!
529443R91	IH	471442!	53027	IPS	1973	53151	C-R	417550	53379	GARLK	417191
529466R91	IH	417698	53027	IPS	48X65X10!	53160	TROS	1070=	5338	C-R	471530
529484	WHITE	417344!	530289	CONTI	451583!	531690569	CHALL	415995!	5338	NATL	5095
529485	WHITE	J1119	530307	C-R	712375	531756	C-R	710043	5339	C-R	471530
5294B	JN-MN	417520*	530309	C-R	712937	531813	CHRYSS	415988	53394	GARLK	417354!
5295B	JN-MN	416892!*	5303144	GMC	471466!	5318LA	JN-MN	470059	53395HX	IH	5957S
529684R1	IH	472129=	53032	ALLCH	415960!	5318LA	JN-MN	470380!	5340B	JN-MN	455290*

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5344R	JN-MN	416071	53721	GARLK	417211!	53X2188	GARLK	455019!	53X2300	GARLK	456648
5345B	JN-MN	417350!	53732	MASTE	417172	53X2189	GARLK	55548	53X2306	GARLK	416313
53460	GARLK	416624!	53733	GARLK	416345!	53X2192	GARLK	416370!	53X2307	GARLK	416313 *
53461	HYST	472164!	537330	C-R	415263 *	53X2195	GARLK	455820 *	53X2308	GARLK	416313
5347	C-R	471530	537330M1	C-R	415263 *	53X2198	GARLK	455019! *	53X2312	GARLK	455024
534798	CONTI	471539!	5373B	JN-MN	415035	53X2199	GARLK	455019! *	53X2313	GARLK	455024 *
534938	CONTI	450588!	5373B	JN-MN	415035!	53X2200	GARLK	455019! *	53X2314	GARLK	455024 *
534939	CATER	J1117	5374	C-R	416130! *	53X2201	GARLK	55155 =	53X2321	GARLK	412473!
534956	CONTI	471538!	53740	C-R	415938	53X2202	GARLK	55155 =	53X2322	GARLK	412473!
534957	CONTI	471538!	53745	GARLK	415697!	53X2203	GARLK	55155 =	53X2323	GARLK	412473!
53499	GARLK	471796!	53748	C-R	415196! *	53X2204	GARLK	455015 *	53X2324	GARLK	417191
53502S	TROS	473179	53748M1	C-R	415196! *	53X2205	GARLK	455015 *	53X2324	GARLK	455165!
53503	TROS	472164!	5374B	JN-MN	417511	53X2206	GARLK	455015	53X2325	GARLK	417191
535065	CATER	J1121	5375R	JN-MN	472492!	53X2210	GARLK	55141 *	53X2325	GARLK	455165!
5351	UNIVE	370021A	53763	GARLK	417366!	53X2211	GARLK	55141 *	53X2326	GARLK	417191
5351142	AMC	472635	53763	HYST	6872S	53X2212	GARLK	55141 *	53X2326	GARLK	455165!
535121	ALLCH	412871!	53764	HYST	6481S	53X2222	GARLK	455020 *	53X2327	GARLK	417354! *
5351OS	JN-MN	476470	537696	ALLCH	350936	53X2225	GARLK	417621!	53X2328	GARLK	417354! *
5352	C-R	481534	5377	FULLE	415995!	53X2226	GARLK	417621!	53X2329	GARLK	417354!
535208R91	IH	471413 =	53770D	IH	415995!	53X2227	GARLK	417621!	53X2330	GARLK	416321
535208R92	IH	471413!	53770D	IH	415995!	53X2228	GARLK	416288!	53X2336	GARLK	415025
535209R91	IH	471424!	53775	C-R	417554!	53X2229	GARLK	416288! *	53X2337	GARLK	415025 *
535209R92	IH	471424!	53790	C-R	3292	53X2230	GARLK	416288! *	53X2338	GARLK	415025 *
5352171	AMC	442380	53799	C-R	416112	53X2231	GARLK	417171!	53X2342	GARLK	416327
5352609	AMC	471271!	53806D	IH	415437	53X2232	GARLK	417171! *	53X2345	GARLK	417492 *
5352786	AMC	417480!	5381-26-157	VILA	710150	53X2233	GARLK	417171!	53X2346	GARLK	417492 *
535320	C-R	415832	53825	HYST	410308!	53X2234	GARLK	417172 *	53X2347	GARLK	417492
535330	C-R	415263	53825	HYST	473468	53X2235	GARLK	417172 *	53X2348	GARLK	417493 *
53548	C-R	415196!	538283	GE	471466	53X2236	GARLK	417172 *	53X2349	GARLK	417493 *
535554	CONTI	471692!	5384	SPG	7154S	53X2237	GARLK	416297 *	53X2350	GARLK	417493
53562	TROS	2551	5385	SPG	6649	53X2246	GARLK	415021	53X2354	GARLK	417494 *
5356675	AMC	442874	538555-55	C-R	712000	53X2247	GARLK	415021 *	53X2355	GARLK	417494 *
535667R91	IH	477055	5386	SPG	223035	53X2248	GARLK	415021 *	53X2356	GARLK	417494
535674	FRUEH	455260	5386LA	JN-MN	553015 *	53X2249	GARLK	456105 *	53X2357	GARLK	455026 *
53568	GARLK	416332!	53872D	IH	410708	53X2250	GARLK	456105 *	53X2358	GARLK	455026 *
5358	SPG	5095	53888D	IH	472924!	53X2251	GARLK	456105	53X2359	GARLK	455026 *
535806	GMC	471193	538948	CONTI	471442!	53X2252	GARLK	417490 *	53X2363	GARLK	455471 *
5358980	AMC	482267	538983R1	IH	2093H =	53X2253	GARLK	417490 *	53X2364	GARLK	455471 *
5359457	AMC	3173	5389LA	JN-MN	471413! *	53X2254	GARLK	417490	53X2365	GARLK	455471 *
5359457	AMC	710928	5389LUP	JN-MN	471413!	53X2255	GARLK	455336 *	53X2366	GARLK	415991
53596HB	IH	412871!	538W330	C-R	6270	53X2256	GARLK	455336 *	53X2366	GARLK	455146!
5359703	AMC	471271!	5390	TIMKE	5390	53X2257	GARLK	455336 *	53X2367	GARLK	415991
53601	GARLK	417355!	53902	HYST	455858	53X2260	GARLK	6358	53X2367	GARLK	455146!
53613	GARLK	416125!	53912	HYST	473459	53X2261	GARLK	417490	53X2368	GARLK	415991
536144R91	IH	413246	539161	GMC	291295	53X2267	GARLK	455022 *	53X2368	GARLK	455146!
5362	SPG	5201	539226	CONTI	471341!	53X2268	GARLK	455022 *	53X2369	GARLK	417196! *
536282	ALLCH	473231!	53925	HYST	470898	53X2269	GARLK	455022 *	53X2370	GARLK	417196! *
5363	SPG	5200	539421	GMC	471193	53X2270	GARLK	476470	53X2371	GARLK	417196!
53634D	IH	473467!	5394B	JN-MN	473215!	53X2271	GARLK	476470	53X2372	GARLK	415437
5363713	GMC	470605!	53967D	IH	473215!	53X2272	GARLK	476470	53X2373	GARLK	415437
53640S	TROS	6636S	53968D	IH	473228	53X2273	GARLK	417181!	53X2373	GARLK	415437!
53646	GARLK	416041	5397	TIMKE	5397	53X2274	GARLK	417181! *	53X2374	GARLK	415437
53646	HYST	415725!	5399	C-R	471281	53X2275	GARLK	417181!	53X2374	GARLK	415437!
5365082	AMC	3945	5399	TIMKE	5399	53X2276	GARLK	418028	53X2375	GARLK	417198 *
5365G	GOODM	417298	53H027	SHOV	472397!	53X2277	GARLK	418028	53X2376	GARLK	417198 *
53660	TROS	472164!	53H039	SHOV	474276!	53X2277	GARLK	455137!	53X2377	GARLK	417198
53667	GARLK	417205!	53R012	SHOV	415001!	53X2278	GARLK	418028	53X2378	GARLK	415027
53675TA	TRSCM	417554!	53W005	SHOV	415007	53X2278	GARLK	455137!	53X2379	GARLK	415027!
536778	CHRY	415960!	53X2174	GARLK	415995!	53X2279	GARLK	417353!	53X2379	GARLK	415027
536810A	HARWA	53X68X10	53X2174	GARLK	415995!	53X2280	GARLK	417353! *	53X2380	GARLK	415027
536810XX	TIMKE	53X68X10	53X2177	GARLK	417351!	53X2281	GARLK	417353! *	53X2381	GARLK	417495 *
53688	C-R	417551	53X2178	GARLK	417351!	53X2282	GARLK	456305	53X2382	GARLK	417495 *
53690	C-R	417551	53X2180	GARLK	417487!	53X2284	GARLK	416865!	53X2383	GARLK	417495
53692	C-R	455576!	53X2180	GARLK	417487	53X2288	GARLK	415023	53X2384	GARLK	415559 *
53693	C-R	455576!	53X2181	GARLK	417487	53X2289	GARLK	415023	53X2385	GARLK	415559 *
53695	C-R	455576!	53X2182	GARLK	417487	53X2290	GARLK	415023	53X2386	GARLK	415559 *
5369970047	DETRO	100294	53X2183	GARLK	417488!	53X2294	GARLK	455328 *	53X2390	GARLK	417496 *
536D4	WHITE	415001!	53X2184	GARLK	417488! *	53X2295	GARLK	455328 *	53X2391	GARLK	417496
5370	SPG	5370	53X2185	GARLK	417488!	53X2296	GARLK	455328 *	53X2392	GARLK	417496 *
53701	C-R	415938 *	53X2186	GARLK	415088	53X2298	GARLK	417491 *	53X2393	GARLK	415711 *
53715V	IH	415458	53X2187	GARLK	415088	53X2299	GARLK	417491	53X2394	GARLK	415711 *
5371B	JN-MN	471652 *	53X2187	GARLK	415088!	53X2300	GARLK	415085!	53X2395	GARLK	415711

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
53X2396	GARLK	417497*	53X2511	GARLK	417366!*	53X2622	GARLK	455203*	53X2733	GARLK	55199=
53X2397	GARLK	417497*	53X2512	GARLK	417366!*	53X2623	GARLK	455203	53X2734	GARLK	55199* =
53X2398	GARLK	417497	53X2513	GARLK	415958	53X2627	GARLK	455056*	53X2738	GARLK	417525*
53X2399	GARLK	417498*	53X2513	GARLK	415958!	53X2628	GARLK	455056	53X2739	GARLK	417525
53X2400	GARLK	417498*	53X2516	GARLK	417505	53X2629	GARLK	455056*	53X2740	GARLK	417525*
53X2401	GARLK	417498	53X2519	GARLK	415034!	53X2630	GARLK	455194*	53X2744	GARLK	417526*
53X2402	GARLK	55028*	53X2520	GARLK	415034!	53X2631	GARLK	455194*	53X2745	GARLK	417526*
53X2417	GARLK	416332!	53X2521	GARLK	476470!	53X2632	GARLK	455194*	53X2746	GARLK	417526
53X2418	GARLK	416332!	53X2521	GARLK	476470	53X2636	GARLK	417513*	53X2750	GARLK	415351!*
53X2419	GARLK	416332!	53X2525	GARLK	455191*	53X2637	GARLK	417513	53X2751	GARLK	415351!
53X2420	GARLK	415937!	53X2527	GARLK	455191*	53X2638	GARLK	417513*	53X2752	GARLK	415351!*
53X2421	GARLK	415937!	53X2528	GARLK	415263	53X2642	GARLK	417514*	53X2753	GARLK	416888!
53X2422	GARLK	415937!	53X2529	GARLK	415263*	53X2643	GARLK	417514	53X2754	GARLK	416888!
53X2423	GARLK	417355!	53X2530	GARLK	415263*	53X2644	GARLK	417514*	53X2755	GARLK	416888!
53X2424	GARLK	417355!*	53X2531	GARLK	417506*	53X2648	GARLK	417515*	53X2756	GARLK	416153!
53X2425	GARLK	417355!	53X2532	GARLK	417506	53X2654	GARLK	417516	53X2757	GARLK	416153!
53X2426	GARLK	416125!	53X2533	GARLK	417506*	53X2655	GARLK	417516	53X2758	GARLK	416153!
53X2427	GARLK	416125!*	53X2537	GARLK	415035	53X2656	GARLK	417516*	53X2759	GARLK	416892!
53X2428	GARLK	416125!*	53X2538	GARLK	415035	53X2657	GARLK	472157!	53X2760	GARLK	416892!
53X2432	GARLK	417499	53X2538	GARLK	415035!	53X2657	GARLK	472157	53X2761	GARLK	416892!*
53X2435	GARLK	415832	53X2539	GARLK	415035	53X2658	GARLK	472157!	53X2762	GARLK	417531
53X2441	GARLK	417501*	53X2540	GARLK	417356!	53X2658	GARLK	472157	53X2765	GARLK	416154!*
53X2442	GARLK	417501*	53X2540	GARLK	455188	53X2659	GARLK	416556!	53X2766	GARLK	416154!*
53X2443	GARLK	417501	53X2541	GARLK	417356!	53X2659	GARLK	472157	53X2767	GARLK	416154!
53X2447	GARLK	55030*	53X2541	GARLK	455188	53X2660	GARLK	415196!	53X2768	GARLK	416070
53X2448	GARLK	55030*	53X2542	GARLK	417356!	53X2661	GARLK	415196!*	53X2769	GARLK	416070
53X2449	GARLK	55030*	53X2542	GARLK	455188	53X2662	GARLK	415196!*	53X2770	GARLK	416070*
53X2450	GARLK	55646=	53X2543	GARLK	417357	53X2663	GARLK	416891!	53X2771	GARLK	415351!
53X2453	GARLK	416670*	53X2543	GARLK	455192!	53X2664	GARLK	416891!	53X2772	GARLK	415351!
53X2454	GARLK	416670*	53X2544	GARLK	417357	53X2665	GARLK	416891!*	53X2773	GARLK	415351!
53X2455	GARLK	416670*	53X2544	GARLK	455192!	53X2666	GARLK	416135!	53X2774	GARLK	417532*
53X2459	GARLK	417502*	53X2545	GARLK	417357	53X2669	GARLK	415045!*	53X2775	GARLK	417532*
53X2462	GARLK	415379	53X2546	GARLK	416130!	53X2670	GARLK	415045!	53X2776	GARLK	417532
53X2462	GARLK	415379!	53X2547	GARLK	416130!*	53X2671	GARLK	415045!*	53X2780	GARLK	417533*
53X2463	GARLK	415379	53X2548	GARLK	416130!*	53X2675	GARLK	416137*	53X2781	GARLK	417533
53X2464	GARLK	415379!	53X2549	GARLK	415036*	53X2676	GARLK	416137*	53X2782	GARLK	417533*
53X2464	GARLK	415379	53X2550	GARLK	415036	53X2677	GARLK	416137	53X2786	GARLK	417534*
53X2465	GARLK	417205!	53X2551	GARLK	415036*	53X2678	GARLK	417518*	53X2787	GARLK	417534*
53X2466	GARLK	417205!*	53X2552	GARLK	417507	53X2679	GARLK	417518*	53X2788	GARLK	417534
53X2467	GARLK	417205!	53X2552	GARLK	417507!	53X2680	GARLK	417518	53X2792	GARLK	457585*
53X2468	GARLK	416339	53X2553	GARLK	417507	53X2681	GARLK	415058*	53X2798	GARLK	416156
53X2469	GARLK	416339	53X2553	GARLK	417507!	53X2682	GARLK	415058	53X2799	GARLK	416156
53X2469	GARLK	455031!	53X2554	GARLK	417507	53X2683	GARLK	415058*	53X2801	GARLK	415371
53X2470	GARLK	416339*	53X2554	GARLK	417507!	53X2684	GARLK	456141	53X2802	GARLK	415371
53X2474	GARLK	415150!*	53X2555	GARLK	415041*	53X2687	GARLK	455197N*	53X2803	GARLK	415371*
53X2475	GARLK	415150!*	53X2556	GARLK	415041	53X2688	GARLK	455197N	53X2804	GARLK	455685*
53X2476	GARLK	415150!*	53X2557	GARLK	415041*	53X2689	GARLK	455197N*	53X2805	GARLK	455685*
53X2477	GARLK	416127	53X2561	GARLK	417509*	53X2693	GARLK	417520*	53X2806	GARLK	455685
53X2480	GARLK	417503*	53X2562	GARLK	417509*	53X2694	GARLK	417520	53X2807	GARLK	416158*
53X2484	GARLK	417504*	53X2563	GARLK	417509	53X2695	GARLK	417520*	53X2808	GARLK	416158*
53X2485	GARLK	417504	53X2567	GARLK	417223*	53X2699	GARLK	416144*	53X2809	GARLK	416158
53X2486	GARLK	455032!*	53X2568	GARLK	417223	53X2700	GARLK	416144*	53X2813	GARLK	415064*
53X2487	GARLK	455032!*	53X2569	GARLK	417223*	53X2701	GARLK	416144	53X2814	GARLK	415064
53X2488	GARLK	455032!*	53X2573	GARLK	55193* =	53X2705	GARLK	417238	53X2815	GARLK	415064*
53X2492	GARLK	455189*	53X2574	GARLK	55193* =	53X2708	GARLK	415425	53X2819	GARLK	415284*
53X2493	GARLK	455189*	53X2575	GARLK	55193* =	53X2711	GARLK	416380!	53X2820	GARLK	415284
53X2494	GARLK	455189*	53X2579	GARLK	455037*	53X2712	GARLK	415196!	53X2821	GARLK	415284*
53X2501	GARLK	417211!	53X2580	GARLK	455037	53X2713	GARLK	415196!*	53X2825	GARLK	417535
53X2502	GARLK	417211!*	53X2581	GARLK	455037*	53X2717	GARLK	415047*	53X2826	GARLK	417535*
53X2503	GARLK	417211!	53X2600	GARLK	417511	53X2718	GARLK	415047	53X2827	GARLK	417535
53X2504	GARLK	416345!	53X2601	GARLK	417511*	53X2719	GARLK	415047*	53X2831	GARLK	417536
53X2505	GARLK	416345!	53X2602	GARLK	417511	53X2723	GARLK	416149*	53X2832	GARLK	417536
53X2505	GARLK	455033	53X2603	GARLK	415142*	53X2724	GARLK	416149*	53X2833	GARLK	417536*
53X2506	GARLK	416345!	53X2604	GARLK	415142*	53X2725	GARLK	416149	53X2834	GARLK	417537
53X2506	GARLK	455033	53X2605	GARLK	415142*	53X2726	GARLK	417522	53X2835	GARLK	417537*
53X2507	GARLK	415697!	53X2609	GARLK	417512*	53X2729	GARLK	415060*	53X2836	GARLK	417537
53X2507	GARLK	455547	53X2610	GARLK	417512	53X2729	GARLK	455060*	53X2837	GARLK	415138!*
53X2508	GARLK	415697!	53X2611	GARLK	417512*	53X2730	GARLK	415060	53X2838	GARLK	415138!
53X2508	GARLK	455547	53X2615	GARLK	415043*	53X2730	GARLK	455060	53X2839	GARLK	415138!*
53X2509	GARLK	415697!	53X2616	GARLK	415043	53X2731	GARLK	415060*	53X2840	GARLK	417538*
53X2509	GARLK	455547	53X2617	GARLK	415043*	53X2731	GARLK	455060*	53X2842	GARLK	417538
53X2510	GARLK	417366!	53X2621	GARLK	455203*	53X2732	GARLK	55199* =	53X2843	GARLK	417247!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
53X2844	GARLK	53X3066	GARLK	53X3357	GARLK	53X3553	GARLK
53X2845	GARLK	53X3066	GARLK	53X3358	GARLK	53X3557	GARLK
53X2846	GARLK	53X3067	GARLK	53X3359	GARLK	53X3558	GARLK
53X2847	GARLK	53X3067	GARLK	53X3360	GARLK	53X3566	GARLK
53X2848	GARLK	53X3068	GARLK	53X3367	GARLK	53X3567	GARLK
53X2849	GARLK	53X3070	GARLK	53X3368	GARLK	53X3574	GARLK
53X2850	GARLK	53X3071	GARLK	53X3369	GARLK	53X3578	GARLK
53X2851	GARLK	53X3095	GARLK	53X3370	GARLK	53X3579	GARLK
53X2858	GARLK	53X3096	GARLK	53X3375	GARLK	53X3582	GARLK
53X2859	GARLK	53X3097	GARLK	53X3376	GARLK	53X3583	GARLK
53X2860	GARLK	53X3122	GARLK	53X3377	GARLK	53X3588	GARLK
53X2864	GARLK	53X3123	GARLK	53X3384	GARLK	53X3589	GARLK
53X2865	GARLK	53X3124	GARLK	53X3385	GARLK	53X3592	GARLK
53X2866	GARLK	53X3125	GARLK	53X3386	GARLK	53X3593	GARLK
53X2873	GARLK	53X3126	GARLK	53X3387	GARLK	53X3596	GARLK
53X2874	GARLK	53X3127	GARLK	53X3394	GARLK	53X3597	GARLK
53X2875	GARLK	53X3128	GARLK	53X3395	GARLK	53X3600	GARLK
53X2876	GARLK	53X3129	GARLK	53X3396	GARLK	53X3601	GARLK
53X2877	GARLK	53X3130	GARLK	53X3397	GARLK	53X3602	GARLK
53X2878	GARLK	53X3131	GARLK	53X3398	GARLK	53X3607	GARLK
53X2879	GARLK	53X3132	GARLK	53X3399	GARLK	53X3609	GARLK
53X2880	GARLK	53X3133	GARLK	53X3400	GARLK	53X3610	GARLK
53X2881	GARLK	53X3155	GARLK	53X3401	GARLK	53X3611	GARLK
53X2894	GARLK	53X3156	GARLK	53X3402	GARLK	53X3613	GARLK
53X2900	GARLK	53X3157	GARLK	53X3403	GARLK	53X3614	GARLK
53X2901	GARLK	53X3176	GARLK	53X3404	GARLK	53X3615	GARLK
53X2902	GARLK	53X3177	GARLK	53X3405	GARLK	53X3617	GARLK
53X2903	GARLK	53X3178	GARLK	53X3406	GARLK	53X3618	GARLK
53X2904	GARLK	53X3179	GARLK	53X3407	GARLK	53X3619	GARLK
53X2905	GARLK	53X3180	GARLK	53X3408	GARLK	53X3623	GARLK
53X2915	GARLK	53X3181	GARLK	53X3417	GARLK	53X3624	GARLK
53X2916	GARLK	53X3182	GARLK	53X3418	GARLK	53X3627	GARLK
53X2917	GARLK	53X3183	GARLK	53X3419	GARLK	53X3633	GARLK
53X2918	GARLK	53X3183	GARLK	53X3420	GARLK	53X3634	GARLK
53X2921	GARLK	53X3184	GARLK	53X3421	GARLK	53X3646	GARLK
53X2922	GARLK	53X3184	GARLK	53X3422	GARLK	53X3648	GARLK
53X2923	GARLK	53X3185	GARLK	53X3423	GARLK	53X3649	GARLK
53X2924	GARLK	53X3190	GARLK	53X3424	GARLK	53X3652	GARLK
53X2926	GARLK	53X3200	GARLK	53X3426	GARLK	53X3654	GARLK
53X2927	GARLK	53X3215	GARLK	53X3427	GARLK	53X3655	GARLK
53X2928	GARLK	53X3216	CATER	53X3434	GARLK	53X3656	GARLK
53X2929	GARLK	53X3216	GARLK	53X3435	GARLK	53X3660	GARLK
53X2933	GARLK	53X3217	GARLK	53X3444	GARLK	53X3662	GARLK
53X2934	GARLK	53X3228	GARLK	53X3445	GARLK	53X3670	GARLK
53X2935	GARLK	53X3229	GARLK	53X3460	GARLK	53X3673	GARLK
53X2936	GARLK	53X3230	GARLK	53X3461	GARLK	53X3676	GARLK
53X2937	GARLK	53X3234	GARLK	53X3464	GARLK	53X3677	GARLK
53X2938	GARLK	53X3235	GARLK	53X3465	GARLK	53X3680	GARLK
53X2941	GARLK	53X3236	GARLK	53X3474	GARLK	53X3687	GARLK
53X2951	GARLK	53X3240	GARLK	53X3482	GARLK	53X3688	GARLK
53X2960	GARLK	53X3249	GARLK	53X3483	GARLK	53X3689	GARLK
53X2961	GARLK	53X3275	GARLK	53X3492	GARLK	53X3694	GARLK
53X2962	GARLK	53X3276	GARLK	53X3493	GARLK	53X3705	GARLK
53X2990	GARLK	53X3277	GARLK	53X3496	GARLK	53X3737	GARLK
53X2992	GARLK	53X3278	GARLK	53X3497	GARLK	53X3775	GARLK
53X2993	GARLK	53X3281	GARLK	53X3500	GARLK	53X3924	GARLK
53X2996	GARLK	53X3282	GARLK	53X3501	GARLK	53X3925	GARLK
53X2997	GARLK	53X3283	GARLK	53X3504	GARLK	53X3932	GARLK
53X2998	GARLK	53X3284	GARLK	53X3505	GARLK	53X3937	GARLK
53X2999	GARLK	53X3293	GARLK	53X3514	GARLK	53X3945	GARLK
53X3000	GARLK	53X3296	GARLK	53X3515	GARLK	53X3949	GARLK
53X3001	GARLK	53X3322	GARLK	53X3518	GARLK	53X3951	GARLK
53X3030	GARLK	53X3323	GARLK	53X3519	GARLK	53X3954	GARLK
53X3032	GARLK	53X3324	GARLK	53X3526	GARLK	53X3965	GARLK
53X3033	GARLK	53X3331	GARLK	53X3527	GARLK	53X3967	GARLK
53X3034	GARLK	53X3332	GARLK	53X3536	GARLK	53X3975	GARLK
53X3059	GARLK	53X3333	GARLK	53X3537	GARLK	53X3984	GARLK
53X3060	GARLK	53X3347	GARLK	53X3538	GARLK	53X3989	GARLK
53X3061	GARLK	53X3348	GARLK	53X3539	GARLK	53X3996	GARLK
53X3062	GARLK	53X3349	GARLK	53X3544	GARLK	53X3998	GARLK
53X3065	GARLK	53X3355	GARLK	53X3545	GARLK	53X4016	GARLK
53X3065	GARLK	53X3356	GARLK	53X3552	GARLK	53X4030	GARLK

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
53X4057	GARLK	415077*	53X8149F1	GARLK	415294!	5410SH	JN-MN	471264*	542990	C-R	410308!
53X4058	GARLK	415077	53X8216F1	GARLK	415327	5410SS	JN-MN	471264!	542990	C-R	473468
53X4059	GARLK	415077*	53X8306F1	GARLK	416107!	5411	LAU	471255!	543039	C-R	470774!
53X4062	GARLK	415076	53X8311F1	GARLK	415437	54117	IPS	1208	5431	FULLE	412871!
53X4184	GARLK	55103S	53X8319F1	GARLK	416321	54117	IPS	48X72X7!	5431	SPG	5585
53X4502	GARLK	417603!	53X8531F1	GARLK	416670	54119	IPS	1012	54317C	DIA	474276!
53X4503	GARLK	417940!	53X8663R1	GARLK	417541	54119	IPS	1012N	543188	C-R	483793
53X4503	GARLK	55301S*	53X8683F1	GARLK	417511	541196	C-R	471267!	5432	FULLE	473473
53X4505	GARLK	455476*	53X8932R1	GARLK	415725!	541197	C-R	450412	543219	C-R	5133
53X4506	GARLK	456462	53X8996F1	GARLK	416154!	541199	C-R	417621!	5433	TIMKE	5433
53X4507	GARLK	455462*	53X9209F1	GARLK	412473!	5412	C-R	221410	54330	C-R	138X152X12!
53X4515	GARLK	55239* =	53X9347F1	GARLK	416158	5412	HART	471554!	54330	C-R	138X152X15!*
53X4517	GARLK	55078S*	53X9401R1	GARLK	417355!	54121	IPS	1969	54330	C-R	710368
53X4526	GARLK	55228* =	53X9664R1	GARLK	417596	54121	IPS	48X63X9!	5435	HART	471570!
53X4587	GARLK	416394	53X9724	GARLK	417487	54125A	GW	471763	5435	LAU	471570!
53X4929R1	GARLK	417606	53X9780	GARLK	415294!	54126A	GW	471760	54350	C-R	55357
53X4966F1	GARLK	417247!	54	UNIVE	471554!	5413	C-R	14X25X5!	5435B	JN-MN	417273
53X4991R1	GARLK	415294!	5401	TIMKE	5401	5413	C-R	710116	5436	HART	471224!
53X5049R1	GARLK	415034!	540115	BENDI	471466!	54131	IPS	239146	5436	LAU	471224!
53X5201F1	GARLK	417211!	540166	SPERY	203020	54131	IPS	38X54X7!	5436	TIMKE	5436
53X5280F1	GARLK	415036	54017	IPS	1955	54134	IPS	1213N	54360	TROS	40185
53X5319F1	GARLK	417492	54017	IPS	52X65X9!	5414	C-R	710116	5437	HART	50209
53X5332F1	GARLK	416321	54021	TROS	476470	5414	TIMKE	5414	5437	LAU	50209
53X5492F1	GARLK	415041	54023	IPS	1181	54140	TROS	6781	543771	C-R	710043
53X5512F1	GARLK	476470!	54023	IPS	41X56X7!	541429	C-R	471526!	5438	LAU	471649!
53X5512F1	GARLK	476470	54026	IPS	224045	541485M1	MASSE	353132	5438B	JN-MN	417211!*
53X5646F1	GARLK	416125!	54026	IPS	40X62X12!	541486M1	MASSE	340817	5439	C-R	14X28X6
53X5683F1	GARLK	417603!	5403	TIMKE	5403	541487M1	MASSE	470954!	5439	C-R	14X30X7
53X5831F1	GARLK	416888!	54031	IPS	224270	5414B	JN-MN	410190	54392D	C-R	330749V
53X5923F1	GARLK	415610	54031	IPS	42X72X10!	5414LUP	JN-MN	410190	5439LA	JN-MN	413478*
53X5949R1	GARLK	415090	54035	GARLK	417356!	5415	C-R	14X26X7	5439LUP	JN-MN	413478
53X6089R1	GARLK	416077	54040008	TROS	417507	541503	C-R	417350!	5440	C-R	14X28X6
53X6146R1	GARLK	415074	54042	IPS	1994	541582	C-R	471526!	544011	C-R	710067
53X6433	GARLK	416364!	54042	IPS	48X70X9!	5415B	JN-MN	55199* =	5441	C-R	14X28X6
53X6433F1	GARLK	416364!	54046	IPS	1953	54160	TROS	1077 =	5441	TIMKE	5441
53X6434R1	GARLK	417357	54046	IPS	42X60X7!	5416B	JN-MN	473235!	5441B	JN-MN	474254
53X6435	GARLK	415962	5405	NATL	6480\$	541746	C-R	470354	5442	LAU	470954!
53X6437F1	GARLK	416239!	5405	TIMKE	5405	541845M1	MASSE	340413	5442B	JN-MN	471684!
53X6484F1	GARLK	476470!	54053	IPS	1214	541849	C-R	417484	5443	TIMKE	5443
53X6484F1	GARLK	476470	54053	IPS	1214N	5419	TIMKE	5419	54435612	TROS	370023A
53X6590F1	GARLK	416332!	54053	IPS	473823	541934	ALLCH	480630!	544386R91	IH	473517!
53X6603F1	GARLK	415725!	54055	GARLK	417357	541949	C-R	3591	5444	HART	471255!
53X6661F1	GARLK	417600	5406	NATL	6481S	542	GARLK	450165	5444	SPG	1996
53X6711R1	GARLK	415725!	5406	TIMKE	5406	542	GARLK	471801!	544452	GMC	332062
53X6760F1	GARLK	417603!	54060	IPS	224045	5420	C-R	14X27X7*	5444B	JN-MN	471730
53X6872R1	GARLK	417362!	54060	IPS	40X62X12!	542126R91	IH	471801!	5445	LAU	471267!
53X6891F1	GARLK	416239!	540603	SPERY	471231!	542127R91	IH	471733	544544	WHITE	370036A
53X68X10	SIMRT	53X68X10	540644	C-R	472635	542134R91	IH	471760	544544	WHITE	370349A
53X68X10SC	TRSCM	53X68X10	540708	C-R	370132A	54215D	IH	472179	54455	GARLK	416888!
53X68X10TC	TRSCM	53X68X10	540727	C-R	712260	542161	C-R	472164!	544570	VIC	370019A
53X6920F1	GARLK	415294!	540782R91	IH	482591 =	5422	TIMKE	5422	544570	WHITE	370019A
53X6978F1	GARLK	416380!	5408	TIMKE	5408	54220S	TROS	5487	544630	VIC	370023A
53X7115F1	GARLK	415991!	540856	CONTI	415137!	542321	C-R	415988	544630	WHITE	370023A
53X7115F1	GARLK	415991	540856	CONTI	418028	542329	C-R	712270	544631	SPICE	472636!
53X7151F1	GARLK	415645!	540870	C-R	472258!	542390	C-R	477163N	544632	SPICE	473238
53X7155F1	GARLK	415072	54089	TROS	417487	5423B	JN-MN	415047	544692	WHITE	370036A
53X7233F1	GARLK	415551	54091	IPS	225005	5424	TIMKE	5424	544692	WHITE	370349A
53X7289F1	GARLK	417191	54091	IPS	50X62X7!	54240	TROS	50402	544693	VIC	370021A
53X7402F1	GARLK	415088	540924	C-R	471442!	542499	C-R	3893V	544693	WHITE	370021A
53X7433F1	GARLK	415072	54094	IPS	1012	542533	C-R	710067	544694	VIC	370003A
53X7433R1	GARLK	415072	54094	IPS	1012N	54255	GARLK	416556!	544694	WHITE	370003A
53X7436F1	GARLK	415327	54096	IPS	1180	54255	GARLK	472157	544694D6	DIA	370003A
53X7448F1	GARLK	415036	54096	IPS	41X55X7!	542591	ALLCH	411394!	544695	VIC	370030A
53X7670F1	GARLK	476470!	54097	IPS	1955	54260	TROS	224045	544695	WHITE	370030A
53X7670F1	GARLK	476470	54097	IPS	52X65X9!	54260	TROS	40X62X12!	54475	GARLK	416153!
53X7673F1	GARLK	417020	540977	BENDI	471570!	54261	TROS	470898	544782R91	IH	46997S
53X7686F1	GARLK	415041	54098	IPS	223605	54275	GARLK	415196!	54498	GARLK	416892!
53X7880F1	GARLK	416556!	54098	IPS	36X50X7!	542895	C-R	370023A	5450	C-R	14X30X7
53X7880F1	GARLK	472157	541	GARLK	471192	542895	C-R	456618	545007	C-R	471554!
53X7909F1	GARLK	417606	5410	HART	480210!	542899	C-R	415437!	54501S	TROS	9613S
53X7953	GARLK	415577*	5410	LAU	480210!	542899	C-R	415437	545059	C-R	473214
53X7973	GARLK	55329* =	5410	TIMKE	5410	54297	GW	471570!	545067	C-R	472164!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
5451OSR JN-MN	55218=	5475 C-R	5667	54950 C-R	455073	550095 C-R	1097N
5452 C-R	14X30X7	5475 NATL	417505	54959 C-R	416107!*	550097 C-R	472258!
5452 LAU	471466!	5475 NATL	5667	54960 C-R	416107!*	550099 C-R	471195!
5452 TIMKE	5452	5475 WMG	417505	54971 C-R	416107*	55009S SPG	415960
545290 GIB	415035	54760 TROS	224040	549712R1 IH	470954!	5500R JN-MN	473458!
545290 GIB	415035!	54760 TROS	40X60X10!	54971R CASE	470954!	5501 ALOY	2146
545298 WHITE	471821!	547915C91 IH	370065A	54971R1 CASE	470954!	55010 SPG	417485
5453 TIMKE	5453	547915C91 IH	376590A	54972 C-R	416107!*	550102 C-R	471224!
545327 BOWEN	417191	5480 C-R	14X35X7	54973 C-R	416107!	550106 C-R	1110
545327 BOWEN	456585	5480 SPG	471646!	54978 C-R	416107!	55011 SPG	416921!
545333 KEN	472029	5480LA JN-MN	50191	54979 C-R	416107!	550111 C-R	1035=
54533HA IH	415437	5480LPD JN-MN	50191	54980 C-R	416107!	550115 C-R	473234!
54534HA IH	415437	5481 C-R	14X35X7	54981 C-R	416107!	55011S SPG	416921!
5453528 GMC	471442!	5481 TIMKE	5481	549818 US-EL	352541	55012 SPG	416654!
545364 ALLCH	471349	548210XX TIMKE	54X82X10	54990 C-R	416107!	550121 C-R	472164!
545376 CONDC	415551	548212 ALLCH	473226	54990 C-R	455073	550124 C-R	1110
54539 MC-CL	473230!	548342 ALLCH	471271!	54C-49 OLIVE	40061S=	55012S SPG	416654!
5454 C-R	14X30X7V	548349 ALLCH	473474	54X65X8SC TRSCM	54X65X8	55013 SPG	415995!
5454 LAU	470328	5483B JN-MN	415960	54X65X8TC TRSCM	54X65X8	550135 C-R	1091=
5454 LAU	481213!	5484 CHAMP	470954!	54X72X10SC TRSCM	54X72X10!	550139 C-R	471787!
545458 WHITE	473473	54840009 TROS	415041	54X72X10TC TRSCM	54X72X10!	55013S SPG	415995!
5455 LAU	470606!	54840014 TROS	370036A	54X73X8SC TRSCM	54X73X8!	55014 SPG	417487
5456 C-R	14X30X7V	54840014 TROS	370349A	54X73X8TC TRSCM	54X73X8!	550148 C-R	223005
5458 TIMKE	5458	54840014 TROS	380036A	54X82X10 NATL	225450	550148 C-R	30X40X7!
5459 LAU	471442!	54840809 TROS	415043	54X82X10SC TRSCM	54X82X10	55014S SPG	417487
5459B JN-MN	415072*	54843209 TROS	416892	54X82X10TC TRSCM	54X82X10	55015 SPG	455015
5460 TIMKE	5460	54844009 TROS	415371	54X85X10SC TRSCM	54X85X10!	550154 C-R	1012
5460B JN-MN	417562	54844409 TROS	415284	54X85X10TC TRSCM	54X85X10!	550154 C-R	1012N
5461B JN-MN	417596	54844412C TROS	415284	55 UNIVE	474253!	550154 C-R	471831!
5462 LAU	7014S	54844809 TROS	415138!	55-S282 LETN	416364!	550158 C-R	225230
5462 TIMKE	5462	5484B JN-MN	415023	55-S556 LETN	455556	55016 SPG	416288!
54625 GARLK	415138!	548510XX TIMKE	54X85X10	5500 C-R	712028	550165 C-R	4529N
5463 LAU	471539!	5485B JN-MN	416891!	55000 SPG	417073	55016S SPG	416288!
5464 SPG	370002A	54861 TROS	471224!	550001 C-R	1049	55017 SPG	456105
5464S GARLK	417247!	5486B JN-MN	415072	550002 C-R	1010=	550175 C-R	224520
546494D6 DIA	370003A	5487 TIMKE	5487	550003 C-R	1037	550175 C-R	45X60X10!
5464R JN-MN	416956	5487B JN-MN	416239!	550004 C-R	471737	550178 C-R	473560N
5465 LAU	471224!	5488 SPG	5589	550005 C-R	472299	55017S SPG	456105
5465 SPG	417506	5488B JN-MN	417556	55001 SPG	415001!	55018 SPG	476470
546508XX TIMKE	54X65X8	548913 CHRYS	415988	550012 C-R	472492!	550184 C-R	224040
5465R JN-MN	473462	5489B JN-MN	417357	550017 C-R	471827	550184 C-R	40X60X10!
5466 LAU	340771	5489B JN-MN	455192!	55001S SPG	415001!	550185 C-R	224850
546667 GMC	416239!	5489LPD JN-MN	417357	55002 SPG	415988	550185 C-R	473455!
5466B JN-MN	473464!	5489LPD JN-MN	455192!	55002S SPG	415988	550186 C-R	1077=
5466B JN-MN	473464	5489LUP JN-MN	417357	55003 SPG	415458!	550186 C-R	223535
5466LPD JN-MN	473464!	5489LUP JN-MN	455192!	55003S SPG	415458!	550189 C-R	1163=
5466LPD JN-MN	473464	548BM416 C-R	416888!	55004 SPG	417316!	55018S SPG	476470
5467 LAU	481644	548ED CALI	415295	550042 C-R	1094=	55019 SPG	455019!
5467 SPG	370019A	549 HART	451583!	550044 C-R	472492!	550190 C-R	40X58X10!*
5467R JN-MN	472397!	549 LAU	451583!	55004S SPG	417316!	550193 C-R	226020
5468 LAU	441130	5490B JN-MN	455197N	55005 SPG	455005	550193 C-R	60X80X8!
5468 SPG	370005A	5491B JN-MN	417507	550059 C-R	473238!	550199 C-R	224045
5468B JN-MN	416891!*	5491B JN-MN	417507!	55005S SPG	455005	550199 C-R	40X62X12!
5469B JN-MN	415219*	54923 C-R	476842	55006 SPG	417344!	55019S SPG	455019!
546D CALI	416666	54928 CHRYS	5M81	550060 C-R	470712!	550202 C-R	1062=
546ED CALI	455330!	54929 C-R	6872S	550069 C-R	2551	550217 C-R	1174
547 HART	450040	54930 C-R	5471	55006S SPG	417344!	550219 C-R	32X58X8!
547 LAU	450040	54931 C-R	417254*	55007 C-R	415007	55022 SPG	455022
5470 C-R	14X32X7	54933 C-R	417254	550071 C-R	1070=	550220 C-R	224045
5470 LAU	471649!	54934 C-R	417254*	550073 C-R	1097N	550220 C-R	40X62X12!
5471 TIMKE	5471	54935 C-R	5473	550074 C-R	472311	550222 C-R	1170
5472 NATL	7006S	54940 C-R	417254	55007S SPG	415007	550223 C-R	1173
54721 TROS	5479	54941 C-R	417254	55008 SPG	455008	550224 C-R	1167
547210XX TIMKE	54X72X10	54943 C-R	417254	550081 C-R	1873	550225 C-R	1977
547253 GMC	9845	54946 C-R	417360	550082 C-R	470898	550226 C-R	47X62X8!
5472B JN-MN	474255	54947 C-R	417360	550085 C-R	451948	550227 C-R	1174
5473 TIMKE	5473	54948 C-R	417360	550085 C-R	472579!	550227 C-R	38X52X8.5!
547308XX TIMKE	54X73X8	54949 C-R	417360	550087 C-R	471192	550228 C-R	1183
5473SS JN-MN	471442!	5494G P-C	TCS45483	550088 CLARK	472492!	550228 C-R	43X55X8!
547431R91 IH	6180=	5495 FREIG	5495	550089 C-R	416664!	550229 C-R	2000
5474G P-C	TCS45483	5495 TIMKE	5495	55009 SPG	415960	550229 C-R	224235
5475 C-R	370023A	54950 C-R	416107!	550094 C-R	472164!	550229 C-R	42X58X7!

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55023	SPG	415023	550280	C-R	48X63X9!	55053S	SPG	415138!	550H2	WHITE	471466!
550230	C-R	224045	550284	C-R	222242	55054	SPG	417223	550H410-T8	C-R	455197N
550230	C-R	40X62X12!	550285	C-R	482126	55054S	SPG	417223	550M48-B	C-R	416891!
550231	C-R	223542	550288	C-R	224320*	55056	SPG	455056	550W410	C-R	455197N*
550231	C-R	35X55X11!	55029	SPG	416125!	55058	SPG	415058	550W412	C-R	415196!
550232	C-R	41X56X7!	550294	C-R	224560	55058S	SPG	415058	550W414	C-R	55199* =
550233	C-R	223542	550294	C-R	45X68X7!	55059	SPG	417238	550W662	CONE	5146
550233	C-R	35X55X11!	55029S	SPG	416125!	55060	SPG	415060	5510	C-R	313156
550234	C-R	1177	55030	GARLK	415725!	55060	SPG	455060	55101	SPG	416282
550236	C-R	224015	55030	TIMKE	55030	55062	SPG	415351!	55102S	TROS	415302
550237	C-R	224205	55031	SPG	416339	55062S	SPG	415351!	55103S	TIMKE	55103S
550237	C-R	42X55X8!	55031	SPG	455031!	55063	SPG	457585	55104	SPG	415645!
550238	C-R	1959	550310	C-R	455612=	55065	SPG	417536	55104	SPG	455104
550239	C-R	1955	550312	C-R	2642	55067	SPG	456890	55104S	SPG	415645!
550239	C-R	52X65X9!	550314	C-R	455472=	55068	SPG	417269!	55104S	SPG	455104
55023S	SPG	415023	550316	C-R	417496	55068S	SPG	417269!	55105	SPG	415938
55024	SPG	455024	55031S	SPG	416339	5506SS	JN-MN	471255!	55105S	SPG	415938
550240	C-R	224015	55031S	SPG	455031!	55070	SPG	416865!	55106	SPG	417556
550241	C-R	55X82X12!	55032	NATL	455032!	55070N	SPG	416865	55106S	SPG	417556
550242	C-R	1956	55032	SPG	455032!	55070S	SPG	416865!	55108	NATL	457874
550243	C-R	1167	550322	C-R	417502	55071	SPG	417546!	55108	WMG	457874
550244	C-R	43X65X8!	55033	SPG	416345!	55071S	SPG	417546!	55109	SPG	417562
550244	C-R	470460	55033	SPG	455033	55072	SPG	415072	55109S	SPG	417562
550245	C-R	224560	550330	C-R	417506	55072S	SPG	415072	55110	SPG	417563
550246	C-R	471831!	550330Q6	C-R	417506	55073	SPG	416107!	5511068	AM HO	5965
550247	C-R	1217	55033S	SPG	416345!	55073	SPG	455073	55111	SPG	416229
550249	C-R	224270	55033S	SPG	455033	55073R91	IH	471532	55111S	SPG	416229
550249	C-R	42X72X10!	55034	SPG	415034!	55073S	SPG	416107!	551123	GMC	472082
55025	SPG	415025	55034S	SPG	415034!	55073S	SPG	455073	55113	SPG	455310
550250	C-R	223830	55035N	SPG	415035	55075	SPG	416476!	55114	SPG	455584
550250	C-R	223832	55035S	SPG	415035!	55075S	SPG	416476!	55115	C-R	140X160X12
550250	C-R	38X55X7!	55035S	SPG	415035	55076	SPG	415076	55115	C-R	140X160X13!
550251	C-R	1994	55036	SPG	415036	55077	SPG	415077	55115	SPG	416077
550251	C-R	48X70X9!	55036S	SPG	415036	55077AX	OSHKO	471267!	55116	C-R	140X160X13*
550255	C-R	222510	55037	SPG	455037	55078S	TIMKE	55078S	55116	SPG	415116
550255	C-R	25X35X7!	55037S	SPG	455037	55078SSR	SPG	55078S	55116S	SPG	415116
550256	C-R	1981	55038	SPG	417512	55079	SPG	455079!	55117	SPG	455117
550257	C-R	1174	55040	SPG	416891!	55079A	OSHKO	415899N	55118	C-R	140X170X12!
550257	C-R	38X52X8.5!	55040S	SPG	416891!	55079A	OSHKO	416624	55118	C-R	710406
550258	C-R	2000	55041	SPG	415041	55079S	SPG	455079!	55118	SPG	415551
550258	C-R	224235	550410	C-R	455197N	55080	GARLK	416865!	55118S	SPG	415551
550258	C-R	42X58X7!	550410M1	C-R	455197N	55080	SPG	455080	55119	C-R	710406
55025S	SPG	415025	550412	C-R	415196!	55082	SPG	415082	55119	SPG	417598
55026	SPG	455026	550412M1	C-R	415196!	55084	SPG	416239!	5511LA	JN-MN	450803
550260	C-R	1213N	550414	C-R	55199=	55084S	SPG	416239!	55120	C-R	140X170X15!
550262	C-R	223542	550414M1	C-R	55199=	55085	SPG	415085!	55120	C-R	710406
550262	C-R	35X55X11!	550416	C-R	416888!	55085	SPG	456648	55120	SPG	455406!
550263	C-R	1994	550416	GR-DV	416888!	55086	SPG	417487	55121	C-R	710406
550263	C-R	48X70X9!	550416	MINMA	416888!	55086S	SPG	417487	55121	SPG	455121
550264	C-R	1214	550416M1	C-R	416888!	55087	BOSTN	471281!	55123	SPG	455123
550264	C-R	1214N	55041S	SPG	415041	55088	BOSTN	254287	55124	SPG	415124
550265	C-R	1981	55042	C-R	455037	55088	SPG	415088	55124S	SPG	415124
550267	C-R	710050	55043	SPG	415043	55088	SPG	415088!	55125	C-R	140X170X12V
550267	C-R	712011	55044	C-R	417512	55088S	SPG	415088	55125	SPG	417022
55027	SPG	415027	55044M1	C-R	417512	55088S	SPG	415088!	55127	C-R	140X180X12!
55027	SPG	415027!	55045	SPG	415045!	55091	SPG	416167!	55127	SPG	417567
550270	C-R	1174	550450	CLARK	45827S	550914R91	IH	471224!	55129	SPG	455129
550270	C-R	1205	55045S	SPG	415045!	55091S	SPG	416167!	55129S	SPG	455129
550270	C-R	1205N	55046	C-R	417513	55093	ONAN	416888!	55130	C-R	416107!
550270	C-R	38X52X8.5!	55046M1	C-R	417513	55093	SPG	411376!	55130	GARLK	417278
550270	C-R	710309*	55048	C-R	416891!	55093S	SPG	411376!	55131	TROS	6815
550271	C-R	1187	55048	FAIRB	416891!	55094	AM WH	417488!	55131AX	OSHKO	415137!
550271	C-R	47X68X10!	55048	GOODM	416891!	55094	SPG	416444	55131AX	OSHKO	418028
550275	C-R	1195	55048	GR-DV	416891!	55094S	SPG	416444	55134	SPG	455134!
550278	C-R	1209	55048	SPG	417525	55095	SPG	416271!	55134S	SPG	455134!
550279	C-R	1208	55048K	GOODM	416891!	55095S	SPG	416271!	55136	NATL	455136
550279	C-R	48X72X7!	55049	SPG	416892!	55096	SPG	411245!	55137	SPG	418028
55027N	SPG	415027	55049S	SPG	416892!	55096S	SPG	411245!	55137	SPG	455137!
55027S	SPG	415027!	5504G	P-C	TCS45483	55098	SPG	415302	551377	ADAMS	411245!
55027S	SPG	415027	5505	C-R	313156	55098S	SPG	415302	55137S	SPG	418028
55028	TIMKE	55028	55050	SPG	417533	550F4	C-R	415036	55137S	SPG	455137!
550280	C-R	1969	55053	SPG	415138!	550F48	C-R	416891!	55141Q6	C-R	455037

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55143 C-R	416107!	55195 SPG	472157!	55294S SPG	415294!	55375 SPG	455375=
55143 C-R	455073	55195 SPG	472157	55300 SPG	417601	55377 SPG	417541
55144 SPG	455144	55195HA SPG	472157	55300S SPG	417601	553778 VIC	370048A
55145 SPG	417172	55195S SPG	472157!	55301 SPG	55301S	553778 VIC	380048A
55145S SPG	417172	55195S SPG	472157	55301S TIMKE	55301S	553778 WHITE	370048A
55146 SPG	415991	55196 SPG	415196!	55305 SPG	415991	553778 WHITE	380048A
55146 SPG	455146!	55196S SPG	415196!	55305 SPG	455146!	55377S SPG	417541
55146S SPG	415991	55197N SPG	455197N	55305S SPG	415991	55378 SPG	415284
55146S SPG	455146!	55198 SPG	415198	55305S SPG	455146!	55378N SPG	415284
55147 SPG	415449!	55199 WMG	457295	5531 TIMKE	5531	55378S SPG	415284
55147S SPG	415449!	55200 SPG	416888!	5531 TMTR	450446	55379 SPG	415379
55148 SPG	417366!	55200N SPG	416888	55310 GARLK	417278	55379 SPG	415379!
55150 C-R	416107!	55200S SPG	416888!	55310 SPG	455310	55379S SPG	415379!
55150 C-R	455073	55202 TROS	417506	55311 SPG	455311	55379S SPG	415379
55150 SPG	415150!	55203 SPG	455203	55313 SPG	416670	5538 TIMKE	5538
55151 SPG	455151	55204 SPG	417515	55315 SPG	415984!	55382R91 IH	473419
55153 SPG	417486	55208 SPG	417526	55315S SPG	415984!	55383 SPG	416956
55153S SPG	417486	5520814 GMC	415995!	55317 NATL	415317	55383S SPG	416956
55154 SPG	417351!	5521 FULLE	410496!	55317 WMG	415317	55384 SPG	475384
55154S SPG	417351!	55210 SPG	417534	5532 ALOY	8610	55393 SPG	417511
55156 SPG	417621!	552102R91 IH	471554!	5532 TIMKE	5532	55394 SPG	415394
55156S SPG	417621!	55211 SPG	416158	5532 TMTR	412473!	55396 SPG	455396
55157 C-R	417361	55213 SPG	417247!	55321 SPG	455321	55397 SPG	455397
55158 SPG	417488!	55213S SPG	417247!	55321S SPG	455321	5539B JN-MN	471835!
551581 C-R	457734	55215S TROS	5458	55322 SPG	417484!	55400 GARLK	415645!
55158S SPG	417488!	55216 SPG	417539!	55322N SPG	417484!	55402 SPG	455402=
55161 SPG	417490	5522 C-R	314259!	55322S SPG	417484!	5541 C-R	472705!
55165 C-R	5472=	55221 SPG	417606	55327 SPG	415327	55419 TIMKE	417492
55165 SPG	417191	55224 BOSTN	471538!	55328 SPG	455328	5542 C-R	481315V=
55165 SPG	455165!	55225 BOSTN	471612	5532LA JN-MN	417211!*	5542LPD JN-MN	455655!*
55165S SPG	417191	55226 BOSTN	473380	5533 ALOY	8660S	5543 C-R	472705!
55165S SPG	455165!	55226 SPG	417570	55330 SPG	455330!	55434 SPG	455434
55169 SPG	417493	55227 SPG	415227!	55331 SPG	417191	554361 FRUEH	370020A
55170 C-R	7006S	55229 SPG	415482	55331 SPG	456585	554364 FRUEH	730009
55170 SPG	417196!	55230 TROS	473228	55332 SPG	415027	554366 FRUEH	HU019A
55170S SPG	417196!	55232 SPG	416153!	55336 BOSTN	471686	55436AM IH	473367!
55171 SPG	415711	55232S SPG	416153!	55336 SPG	455336	55436AM IH	473367
55172 C-R	370043A	552330 WHITE	471870!	55337 TIMKE	55337	55437 SPG	415437
55172 SPG	416332!	55234 SPG	415234!	5533LA JN-MN	416229	55437S SPG	415437
55172N SPG	416332!	55234S SPG	415234!	55340 SPG	415991	55442 NATL	415442!
55173 SPG	415437	55236 NATL	415577	55340 SPG	455146!	55447 NATL	415447
55173 SPG	415437!	55238 TIMKE	55238	553408 VIC	370048A	55448 SPG	417262!
55173S SPG	415437	55244 SPG	417481	553408 VIC	380048A	55450 GARLK	417359
55173S SPG	415437!	55246 NATL	416919	553408 WHITE	370048A	55454 C-R	417361
55175 C-R	370120A	55249 NATL	455249!	553408 WHITE	380048A	55455 C-R	417361
55176 SPG	417501	55251H SPG	455251H	55341 SPG	417494	55456 C-R	417361
55177 C-R	370120A	55252 HYST	471466!	55342 SPG	417531	55457 C-R	417361
55177 SPG	415379	55253 SPG	455253	55344 SPG	416313	55462 SPG	455462
55177 SPG	415379!	552571 GMC	8610	55347 SPG	417159	554631 GMC	8660S
55179 C-R	456192	552572 GMC	8610	55347S SPG	417159	554631S SPICE	473454
55179 SPG	417210!	552573 GMC	8610	55349 SPG	415349	554633 SPICE	470059
55179S SPG	417210!	5526 TIMKE	5526	5534LA JN-MN	413247!	554633 SPICE	470380!
5518 TIMKE	5518	55260 SPG	455260	55350 GARLK	417358	554634 SPICE	471763
55180 C-R	8635S	55263 SPG	415263	55353 TIMKE	55353	554635 SPICE	473454
55180 SPG	417498	55263S SPG	415263	55354 SPG	416404!	554636 SPICE	473231
55181 C-R	456192=	55264 SPG	415867	55354S SPG	416404!	554637 SPICE	473454
551837R91 IH	471766!	5527 TIMKE	5527	55355S SPG	417158!	55464 SPG	417550
55184 SPG	417504	55271 SPG	415725!	55356S SPG	455356	55469 TIMKE	55469
55185 SPG	417211!	552711 GMC	472082=	55357 TIMKE	55357	55471 C-R	416191
55185S SPG	417211!	55271S SPG	415725!	5535LA JN-MN	473225!	55471 SPG	455471
55186 SPG	417967!	55272 SPG	416706!	55360 TROS	470712!	55473 SPG	417518
55187 SPG	415187	55272S SPG	416706!	55362S TROS	6952S=	55475 BOSTN	472951
55188 SPG	417356!	55279 TROS	7245	55364 SPG	416664!	55475 BOSTN	474252
55188 SPG	455188	55280 SPG	455280	55364S SPG	416664!	55475 NATL	455475
55189 SPG	455189	55281 SPG	417349	55365 NATL	327303!	55476 BOSTN	472649
55189S SPG	455189	55281S SPG	417349	55368 SPG	415483!	55476 SPG	455476
55191 SPG	455191	55282 SPG	416364!	55368S SPG	415483!	55477 BOSTN	472642
55192 SPG	417357	55282S SPG	416364!	5536LA JN-MN	473229	55477 BOSTN	472642V!
55192 SPG	455192!	5528LA JN-MN	471272!	5536LUP JN-MN	473229	55478 BOSTN	472644!
55192S SPG	417357	55290 SPG	455290	5537 TIMKE	5537	55479 SPG	417350!
55192S SPG	455192!	55293 NATL	417584	55371 SPG	415371	55480 SPG	455480!
55194 SPG	455194	55294 SPG	415294!	55371S SPG	415371	55480S SPG	455480!

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55481	SPG	417543	5563	SPG	417506	55823R1	IH	5MR1009	55X82X12SC	TRSCM	55X82X12!
55482	SPG	415482	55630	SPG	415085!	558245	CHRY	450073	55X82X12TC	TRSCM	55X82X12!
55487	SPG	417555!	55630	SPG	456648	55829	SPG	410825	55X85X10SC	TRSCM	55X85X10
55494N	SPG	455956H	55630TB	TRSCM	6872S	5582LA	JN-MN	471271!	55X85X10TC	TRSCM	55X85X10
55494S	SPG	417548	55634	SPG	415371	5583LPD	JN-MN	471747!	55X85X8ASN(32)	ISP	55X85X8
55499	SPG	418029!	5564	ALOY	2506	55840	SPG	417604	55X88X8SC	TRSCM	55X88X8
554D	CALI	415960!	556452	ACF	415371	55850	GARLK	417362!	55X88X8TC	TRSCM	55X88X8
55502	SPG	455583N!	5565	ALOY	410059	558510XX	TIMKE	55X85X10	55X90X13SC	TRSCM	55X90X13
55504S	TROS	7412S	5565	ALOY	470380!	55854	SPG	415854	55X90X13TC	TRSCM	55X90X13
55509	SPG	455509	5565	ALOY	472189A!	55857	NATL	415857!	55X90X8AS	ISP	55X90X8
55513	SPG	417507	5565	ALOY	9613S	55858	NATL	455858	56 UNIVE		471570!*
55513	SPG	417507!	55650	C-R	55358=	5586	SPG	5072	5600	ALOY	5699
55513S	SPG	417507	55650	GARLK	417360	55860	SPG	417480!	56000	BOSTN	472655
55513S	SPG	417507!	556514C91	IH	291099	55861	GMC	476838!	560007R91	IH	472164!
55524	TIMKE	55524	55653	DGASK	2904	55865C1	IH	41461S	56001	BOSTN	472953
55526S	SPG	417350!	55655	SPG	455655!	55879D	IH	415449!	56002	BOSTN	471904
5553	SPG	370003A	5566	ALOY	331301N	558808XX	TIMKE	55X88X8	5601	TIMKE	100495
55536	SPG	455536	5566	ALOY	9015S*	5589	C-R	472705!	5601	TIMKE	5601
555382R91	IH	473419	55661	SPG	455661	5589	TIMKE	5589	560116R91	IH	471835!
555383R91	IH	473438	556623	ACF	417252	55890	GARLK	417363	56012	EARTH	476838!
555384R91	IH	472636!	556672R91	IH	471504!	55896	SPG	2055	5601LA	JN-MN	415351!
555385R91	IH	474274	5567	SPG	5092	55901	TROS	50419	5602	TIMKE	4561V
555386R91	IH	473466	55672	SPG	412473!	559013XX	TIMKE	55X90X13	5602	TIMKE	5602
555387R91	IH	50081	556754	ACF	471689!	559032	C-R	416137	5602	WMG	4561V
555388R91	IH	471747!	5567SS	JN-MN	471255!	55904	BOSTN	472954!	56024871	BENDI	481073
555389R91	IH	472185!	556808A	HARWA	55X68X8!	55905	BOSTN	473197!	5602LA	JN-MN	473463
555390R91	IH	473225!	556808XX	TIMKE	55X68X8	55906	BOSTN	470596!	5603	TIMKE	5603
555391R91	IH	470712!	55683	SPG	415683	55907	BOSTN	470806	56030	GARLK	417365
555392R91	IH	471224!	55685	SPG	455685	55908C	DIA	5401	5603LA	JN-MN	415036
555394R91	IH	471137	55689	SPG	417353!	5591	TIMKE	5591	5604	TIMKE	5604
555395R91	IH	471137	55690	SPG	416297	55910	GARLK	416666	560470R91	IH	415458!
555396R91	IH	471766!	556939	CHRY	473462	5591SS	JN-MN	481528	56049J	DIA	5751
555397R91	IH	476838!	556976	CHRY	410308!	55921NA	SPG	413246	5604M1	C-R	417507
555398R91	IH	473419	556D5	DIA	415960!	55925	GARLK	417364	5604M1	C-R	417507!
5554	NATL	7378	556D5	WHITE	415960	5592B	JN-MN	450279*	5605	C-R	718610
55547	SPG	415697!	5570	SPG	5072	5592EL	SUL	473245!	56050	GARLK	415072
55547	SPG	455547	557008XX	TIMKE	55X70X8	55949	EARTH	471764!	5605X	HYST	473367!
55547S	SPG	415697!	55702S	TROS	415371	5594LA	JN-MN	415371	5605X	HYST	473367!
55547S	SPG	455547	5570LA	JN-MN	473232	5594LUP	JN-MN	415371	5606	C-R	472705!
55548	TIMKE	55548	5571	DIVCO	416738!	55962	EARTH	472012	5606	C-R	718610
55549	SPG	415035!	5571	DIVCO	450096	5597LUP	JN-MN	472185!	5606	NATL	39817
55549	SPG	415035	55710	GARLK	417361	5598	ALOY	8705S	560680	GMC	3553
55556	SPG	455556	55718	SPG	415060	5598LUP	JN-MN	415001!	560680-850	GMC	3553
55558S	NATL	417780	55718	SPG	455060	5599	ALOY	8594S	5606LA	JN-MN	417273
55563	TIMKE	417433	55719	SPG	415960	5599	SPG	343115	5607	C-R	472705!*
55563	WMG	417433!	557197	CHRY	473438	559921	MC-CL	5573	5607	HYST	470050
55565	TROS	222510	5571LA	JN-MN	450311*	559922R91	IH	340823	56071R91	IH	416282
55565	TROS	25X35X7!	5571LPD	JN-MN	450311	5599LA	JN-MN	473010	560754C1	IH	470898
55566	SPG	455566	557208XX	TIMKE	55X72X8	55HB122	BRADF	471766!	5609	TIMKE	5609
55566S	SPG	455576!	5572LA	JN-MN	473010	55HB123	BRADF	472015!	5609LA	JN-MN	417602!
55566S	WMG	455566	557369M1	MASSE	473214!	55X10013X	TIMKE	55X100X13	5609LUP	JN-MN	417602!
55576S	SPG	455576!	5573LA	JN-MN	470625!	55X1007X	TIMKE	55X100X7	56100	C-R	417555!
55581	SPG	456618	5573S	TIMKE	5573	55X100X10ASN	ISP	55X100X7	56101	C-R	417555!
55583N	SPG	455583N!	5574LA	JN-MN	473228	55X100X13SC	TRSCM	55X100X13	56101	TROS	416273!
5558B	JN-MN	417604*	557500	ACF	413246	55X100X13TC	TRSCM	55X100X13	56102	SPG	416102
55592S	SPG	455592	557508XX	TIMKE	55X75X8	55X68X8	FORSH	55X68X8!	56103	C-R	5146
55601	SPG	416070	557510XX	TIMKE	55X75X10	55X68X8	SIMRT	55X68X8!	56105	C-R	417555!
55613	SPG	416294!	55755SA	TRSCM	456192	55X68X8SC	TRSCM	55X68X8!	5610LUP	JN-MN	415072
55614	WMG	455614	5576	NATL	5650	55X68X8TC	TRSCM	55X68X8!	5611LA	JN-MN	472144!
55615	SPG	418028	557627	ACF	415483!	55X70X8SC	TRSCM	55X70X8!	5611TA	OSHKO	370036A
55615	SPG	455137!	5576SS	JN-MN	414045!	55X70X8TC	TRSCM	55X70X8!	5612LA	JN-MN	472397!
55615S	SPG	418028	557782	GMC	472439	55X72X8SC	TRSCM	55X72X8!	5613	TIMKE	5613
55615S	SPG	455137!	5578	C-R	472705!*	55X72X8TC	TRSCM	55X72X8!	561328C91	IH	472016
55618	SPG	416029N!	557810A	HARWA	55X78X10	55X75X10SC	TRSCM	55X75X10	561347R91	IH	471571
5562	ALOY	7607	557810XX	TIMKE	55X78X10	55X75X10TC	TRSCM	55X75X10	56135	C-R	417556
55620	BOSTN	471276!	5579	HYST	473438	55X75X8SC	TRSCM	55X75X8	56136	C-R	417556
55620	GARLK	417254	5579448	AMGEN	714675*	55X75X8TC	TRSCM	55X75X8	56137	C-R	417556=
55621	BOSTN	412920!	558008XX	TIMKE	55X80X8	55X78X10	SIMRT	55X78X10	5613LA	JN-MN	415960
55621	BOSTN	472950	55805D	IH	473245!	55X78X10SC	TRSCM	55X78X10	5613LPD	JN-MN	415960
55622	BOSTN	473259	55820	SPG	455820	55X78X10TC	TRSCM	55X78X10	56147	TROS	6960
55623	BOSTN	473427	55820R91	IH	5MR1009	55X80X8SC	TRSCM	55X80X8	56149	BOSTN	472660
556231	GMC	472439	558212XX	TIMKE	55X82X12	55X80X8TC	TRSCM	55X80X8	5614G	P-C	TCS45483

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
56150	BOSTN	472651V	564403R91	IH	203008	5672855	GMC	7412S	5698	TIMKE	5698
56151	BOSTN	472653!	56444LA	JN-MN	473215!	5672997	GMC	471689!	5699	C-R	450536
56153R91	IH	417254	56444LUP	JN-MN	473215!	5673120	GMC	7840S	5699	C-R	471535!
56155	C-R	417040	5645	TIMKE	5645	5673121	GMC	7399S!	5699	TIMKE	5699
5615B	JN-MN	416666*	564592R91	IH	472311!	5674114	GMC	254270	569D6	DIA	5408
56160	C-R	417040	564631	SPICE	471820	5675	C-R	240007=	569D6	WHITE	5408
5616B	JN-MN	417554!	564632	SPICE	471646!	567507XX	TIMKE	56X75X7	569W328	C-R	456618
56178	TROS	205017	56460SR	JN-MN	417538*	5675600	GMC	340413	56H7688	FORD	340797
5617B	JN-MN	455480!*	5647	C-R	471281!	567816R91	IH	471492	56X68X10SC	TRSCM	56X68X10
5618	C-R	471281!	5647B	JN-MN	474265	567824R91	IH	290070=	56X68X10TC	TRSCM	56X68X10
561892R91	IH	470954!	5648	C-R	471281!	567824R91	IH	472185!	56X70X8AN	ISP	56X70X8
5619SH	JN-MN	473228	5649	NATL	370047A	567826R91	IH	472164!	56X72115XX	TIMKE	56X72X11.5
5619SS	JN-MN	473228!*	5649	TIMKE	5649	567829R91	IH	471192	56X72X115SC	TRSCM	56X72X11.5
561W4	C-R	417507!	5649B	JN-MN	417554!*	567878	CHRYSL	470898	56X72X115TC	TRSCM	56X72X11.5
561W4	C-R	471507	5650	C-R	471281*	56793698	IG-RA	415085!	56X72X7ASN	ISP	56X72X7
561W4-M1	C-R	417507	5650	TIMKE	5650	56793698	IG-RA	456648	56X80X8	SIMRT	56X80X8
561W4-M1	C-R	417507!	5651R	JN-MN	417273*	5679R	JN-MN	417298*	56X80X8SC	TRSCM	56X80X8
56205S	TROS	5589	5652	C-R	471281!	568008A	HARWA	56X80X8	56X80X8TC	TRSCM	56X80X8
562075R91	IH	415498	56520	TROS	471652	568008XX	TIMKE	56X80X8	56X82X8SC	TRSCM	56X82X8
562077R91	IH	473454	56520	TROS	482208!	56801S	TROS	471267!	56X82X8TC	TRSCM	56X82X8
56208	DGASK	408	565280	CHRYSL	470898!	568020R91	IH	471571	56X85X8	FORSH	56X85X8
56208-F	REO	370003A	5652R	JN-MN	415034!	56803A	WHITE	471689!	56X85X8	SIMRT	56X85X8
5620SS	JN-MN	343104	5653	C-R	471281!	5681410	GMC	8059S	56X85X8SC	TRSCM	56X85X8
56211	DGASK	411	5654	SPG	5604	5682	TIMKE	5682	56X85X8TC	TRSCM	56X85X8
56212	DGASK	412	56544C	DIA	415066	568208XX	TIMKE	56X82X8	56X88X8SC	TRSCM	56X88X8
56214	DGASK	414	56560	TROS	1094=	5682846	GMC	471267!	56X88X8TC	TRSCM	56X88X8
56220	DGASK	420	5659SH	JN-MN	340930*	5682898	GMC	PSK-1	56X90X8SC	TRSCM	56X90X8
56221	DGASK	421	56601S	TROS	473231!	5683	C-R	471281!	56X90X8TC	TRSCM	56X90X8
5622170	GM	414	5660LA	JN-MN	450398	5683373	GMC	PSK-1	57	MYERS	473420
56222	DGASK	422	5660LA	JN-MN	471267!	5683898	GMC	8059S	57	UNIVE	472951
56224	DGASK	424	5660LUP	JN-MN	450398	568403	CHRYSL	473215!	57	UNIVE	474252
56225	DGASK	425RR	5660LUP	JN-MN	471267!	568404	CHRYSL	473215!	5700	TIMKE	5700
56227	DGASK	427RR	5661	C-R	471281!	568452	CHRYSL	450467	5700207	GMC	42352S
56228	DET	428RR	5661151	GMC	472185!	5685	C-R	471281!	5700208	GMC	343186
56228	DGASK	428RR	5661486	GM	471763	5685	TIMKE	5685	5700222	GMC	471535!
56229	DET	429RR	5661486	GMC	471763	568508XX	TIMKE	56X85X8	5700223	GMC	471646!
56229	DGASK	429RR	566162R91	IH	415483!	56851	GMC	473419	5700224	GMC	471766!
5624	TIMKE	5624	5661LA	JN-MN	471267!	5685355	GMC	PSK-1	5700225	GMC	471787
562411	US-EL	472179	5662	C-R	471281!	5685524	GMC	7013S	5700227	GMC	474278!
562416	C-R	416153!	5662	GILSN	200354	5686	TIMKE	5686	5700SS	JN-MN	472311!
562416	CLARK	416153!	566201R91	IH	473232	56860	TROS	1049	5704	NATL	450666
562416M1	C-R	416153!	5662200	GMC	472560N	56861	GMC	476838!	5705	C-R	450536
562491R91	IH	472144!	5662B	JN-MN	471760	5686644	GMC	7013S	5705	C-R	471535!
5625	TIMKE	5625	56630H	IH	410737!	568674	CHRYSL	472394	5706	C-R	471535!*
5626	C-R	240007=	566330	US-EL	474264	568688	CHRYSL	472016	5706LA	JN-MN	415458!
5626LA	JN-MN	471862*	5663766	GMC	470954!	568690	GMC	470059	5707	C-R	471535!*
5627LPD	JN-MN	470682	5663834	GMC	471413!	568690	GMC	470380!	570793	CHRYSL	472409!
5629	TIMKE	5629	5663837	GMC	471267!	568767R91	IH	240731	57080	C-R	145X164X14!
562932C1	IH	370007A	5664016	GMC	471466!	568769R91	IH	473438	57080	C-R	145X164X15!*
5629LPD	JN-MN	471744!	56641S	TROS	3103!	568770R91	IH	415458!	57080	IH	710369
5629R	JN-MN	471744!	5664459	GMC	471646!	5688020	GMC	471538	57085D	IH	417316!
562W424	C-R	55367=	5664690	GMC	323138!	568808XX	TIMKE	56X88X8	570D6	WHITE	6270
56304	BOSTN	476878=	5665LA	JN-MN	471466!	5689	SPG	228020	57110	C-R	145X170X12*
56305	BOSTN	477104=	5666	TIMKE	5666	5689	SPG	80X105X13!	57118	C-R	145X175X15
56305	GOODM	240698	56660	TROS	471195!	5689B	JN-MN	457874*	5711S	TIMKE	5711
56306	BOSTN	415001!	56665TA	TRSCM	417555!	5690	C-R	471281!	57120	C-R	145X175X15
56307	BOSTN	417474	5666LA	JN-MN	471224!	5690	TIMKE	5690	57120	TROS	44052
56309	BOSTN	473243	5667	NATL	370023A	569008XX	TIMKE	56X90X8	57121	TROS	6954S
5630LA	JN-MN	473449	5667	NATL	417505	56903	JOY	415138!	57122	TROS	44053
5630LUP	JN-MN	473449!	5667	TIMKE	5667	5690LPD	JN-MN	473445*	57125	C-R	145X180X12
563149R91	IH	6575S	566701R91	IH	6590S	5691484	GMC	472164!	5712B	JN-MN	416273!
5632LPD	JN-MN	413472	5667B	JN-MN	55155* =	569186	US-EL	472185!	5714B	JN-MN	417350!
5633R	JN-MN	473447	566810XX	TIMKE	56X68X10	5692683	GMC	471264!	5715	FULLE	472179
56340	C-R	144X160X12*	56685TA	TRSCM	417556	5694	TIMKE	5694	57160	TROS	473317
56343	NOVI	472164!	5668752	GMC	471737=	5695	TIMKE	5695	57160S	TROS	473317
563578	CHRYSL	415234!	5669LA	JN-MN	473234	5696	TIMKE	5696	5717	C-R	471535!
563653	CHRYSL	481864	5670060	GMC	473237!	5696537	GMC	7399S!	5718	C-R	471535!
563722	CHRYSL	470334!	567008XX	TIMKE	56X70X8	569682	US-EL	472164!	57196	US-EL	416339
5639B	JN-MN	473426*	56715TA	TRSCM	417040	569684	US-EL	472185!	57196	US-EL	455031!
5640LA	JN-MN	476838!	5671B	JN-MN	471466!	569686	US-EL	415988	5719QSR	JN-MN	471567!*
56411	BOSTN	477105=	567207XX	TIMKE	56X72X7	5696LUP	JN-MN	474281!	572	C-R	5M289
5641A	C-R	471466!	567236	CHRYSL	413469!	5697	TIMKE	5697	5720	C-R	471535!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
57202	TROS	415064	573022362	EL-MO	473445	574562	CHRY5	455249!	575426	C-R	455251H
57203	TROS	417480!	573022363	EL-MO	470961=	574563	CHRY5	455249!	57542S	TROS	471827
572050401	EL-MO	412040	573022374	EL-MO	470590	5745LA	JN-MN	417343!	57544	C-R	415043
572056811	EL-MO	40097S	573022375	EL-MO	295113=	5745LUP	JN-MN	417343!	57544M1	C-R	415043
5720LA	JN-MN	471570!*	573022378	EL-MO	471835!	5746LA	JN-MN	455151	57546	C-R	417514
5720LPD	JN-MN	471570!	573022379	EL-MO	471255!	5747LA	JN-MN	415960	57548	C-R	415045!
5721	C-R	471535!	573022380	EL-MO	416288!	5748LA	JN-MN	476470	57548M1	C-R	415045!
572106	Y-T	411253!	573022383	EL-MO	416041	5749LA	JN-MN	416158*	57549	HYST	471272!
572178	US-EL	472185=	573022385	EL-MO	470605!	574W4	C-R	415041	5754M1	C-R	415041
5722	SKIL	481537	573022386	EL-MO	416345!	574W42	C-R	415371	5755	C-R	471551!
5722LA	JN-MN	471760*	573022387	EL-MO	471554!	574W420	C-R	415371	575583	CHRY5	415041
5723	TIMKE	5723	573022388	EL-MO	416380!	57502R	TROS	472164	575584	CHRY5	415041
5723LA	JN-MN	450342	573022389	EL-MO	416345!	57505	C-R	415447*	5756	C-R	471551!
5723LUP	JN-MN	450342	573022390	EL-MO	416664!	57507	C-R	415447	5756	TIMKE	5756
57240	TROS	410825	573022391	EL-MO	470380!	57508	C-R	417362!	57578	C-R	417364
57248	NATL	39732	573022392	EL-MO	471424!	57509	C-R	417362*	57580	C-R	416029N!
5724LA	JN-MN	471762!	573022393	EL-MO	471646!	5750LA	JN-MN	472572!	57581	C-R	416029N!
5724LPD	JN-MN	471762!	573022394	EL-MO	450593!	57510	C-R	417362!	57581	C-R	416029N!
572571	CHRY5	473438	573022395	EL-MO	471571	57511	C-R	417362!	57584	C-R	416039
5725LA	JN-MN	471763*	573022397	EL-MO	471692!	57512	C-R	417362!	5758B	JN-MN	416107!
57269	US-EL	340787	573022398	EL-MO	252277	57513	C-R	417362!	5758B	JN-MN	455073
5726LA	JN-MN	471354!*	5730223C18	EL-MO	41081S=	57514	C-R	417362!	57599	C-R	148X170X15
5727	TIMKE	5727	5730LA	JN-MN	473214	57516	C-R	417363	575B420	C-R	415371
5727LA	JN-MN	471766!	5731LA	JN-MN	470950!	57517	C-R	417363	575CP416-L	C-R	416892!
5728LA	JN-MN	471787!	5731LA	JN-MN	6241S	57518	C-R	417363	575H424-T8-L	C-R	415138!
5728LUP	JN-MN	471787!	5731LPD	JN-MN	470950!	57519	C-R	417363	575M426-L	C-R	455251H*
572915	ADAMS	471224!	5731LPD	JN-MN	6241S	5751S	TIMKE	5751	575W4	C-R	415041*
5729496	GMC	416654=	573248101	EL-MO	471466=	5752	HYST	416339	576	AMC	450033
5729LA	JN-MN	450165	573248102	EL-MO	471267=	5752	HYST	455031!	5760R	JN-MN	415991
5729LA	JN-MN	471801!	573248103	EL-MO	471224=	57520	C-R	416666	5760R	JN-MN	455146!
5729LUP	JN-MN	450165	573248104	EL-MO	471413=	57520S	TROS	471652	576209	CHRY5	415041
5729LUP	JN-MN	471801!	573248105	EL-MO	480630=	57520S	TROS	482208!	5764	C-R	471551!
572A4	WHITE	412119!	573248106	EL-MO	472439=	57521	C-R	416666*	5764	TMTR	473238
573	C-R	5M293	573259R91	IH	473214	57522	C-R	417362=	5764SS	JN-MN	471733
573022207	EL-MO	J1111	5732LA	JN-MN	473226*	57523	C-R	416666=	5765	C-R	471551!
573022209	EL-MO	J1109	5732LUP	JN-MN	473226	57528	C-R	416666	5765LA	JN-MN	474255
573022218	EL-MO	J1127	5733	WMG	472016	57529	C-R	416666	57661S	TROS	471195!
573022220	EL-MO	J1125	5733LA	JN-MN	470059	5752B	HYST	416339	576755TA	TRSCM	417362!
573022227	EL-MO	JV1117=	5733LA	JN-MN	470380!	5752B	HYST	455031!	57688R91	IH	456618
573022301	EL-MO	471466!	57340	TROS	470487!	57530	C-R	416666	576DMM422-T8	C-R	415284
573022302	EL-MO	471267!	5734LA	JN-MN	473440!*	57531	C-R	416666*	576DMM426-L	C-R	75251S
573022303	EL-MO	471224!	5734LUP	JN-MN	473440!	575316	C-R	455396	576W4-M1	C-R	370036A
573022304	EL-MO	471413!	573515010	EL-MO	415483	575318	C-R	455402=	576W4-M1	C-R	370349A
573022305	EL-MO	480630!	573515011	EL-MO	473237!	575320	C-R	455436=	576W4-M1	C-R	380036A
573022306	EL-MO	472439	573515014	EL-MO	417344!	5754	C-R	415041	576W4-T8	C-R	370036A
573022307	EL-MO	471272!	5735316	B-L-H	471737	5754	GOODM	415041	576W4-T8	C-R	370349A
573022308	EL-MO	417621!	5735LA	JN-MN	473234	57540	C-R	416666*	576W4-T8	C-R	380036A
573022309	EL-MO	472015!	57360S	TROS	7686S	57540S	TROS	353135	5770	NATL	225010
573022310	EL-MO	473231!	5736LA	JN-MN	472179	57540S	TROS	474278!	5770LUP	JN-MN	416654!
573022311	EL-MO	417349!	5737	C-R	471551!	575410	C-R	417520	5770OSR	JN-MN	416654!
573022312	EL-MO	470898	5737LA	JN-MN	472394	575410M1	C-R	417520	5771LA	JN-MN	415001!
573022313	EL-MO	416404!	5737LUP	JN-MN	472394	575412	C-R	415047	5772	SPG	471141!
573022314	EL-MO	473228!	5738LA	JN-MN	473462	575412M1	C-R	415047	5772A	C-R	471827
573022315	EL-MO	471424!	5739	C-R	471551!	575414	C-R	417525	5772LA	JN-MN	470334!
573022316	EL-MO	472179	5739LA	JN-MN	472397!	575414M1	C-R	417525	5772LUP	JN-MN	470334!
573022321	EL-MO	471950	573H422-T8	C-R	415284	575416	C-R	416892!	57732	MC-CL	481443!
573022322	EL-MO	471652	57403D	IH	472015!	575416	CABOT	416892!	577321	MC-CL	481443!
573022327	EL-MO	473233!	5740LA	JN-MN	472397!	575416M1	C-R	416892!	5773LA	JN-MN	414045!
573022328	EL-MO	475568=	5741SH	JN-MN	412920!	575418	C-R	417533	57764	GRAY	471766
573022332	EL-MO	476341=	57420	TROS	6930	575418M1	C-R	417533	57773	US-EL	415035!
573022333	EL-MO	472258!	57421	TROS	7044NA	575419	C-R	415371	57773	US-EL	415035
573022334	EL-MO	470380!	574238R91	IH	240731	57541R	TROS	331227H	5778	SPG	5778
573022335	EL-MO	416332!	574239R91	IH	472311!	575420	C-R	415371	5778	TIMKE	5778
573022336	EL-MO	473204	574362	CHRY5	455336	575420	MINMA	415371	5778V	TIMKE	5778V
573022337	EL-MO	412040	574384	CHRY5	455336	575420M1	C-R	415371	5779	HYST	473438
573022338	EL-MO	471341!	574389R91	IH	240736	575422	C-R	415284	578010	CHRY5	455151
573022355	EL-MO	474278!	5743LA	JN-MN	413478*	575422M1	C-R	415284	578011	CHRY5	455151
573022357	EL-MO	471570!	5744	C-R	415041*	575423C91	IH	711552	5780SS	JN-MN	471570!
573022358	EL-MO	471692!	57440	TROS	5126	575424	C-R	415138!	5781LA	JN-MN	472924!
573022359	EL-MO	472164!	574424	C-R	415138!*	575424	GOODM	415138!	5782	CATER	450269
573022360	EL-MO	472397!	5744LA	JN-MN	455079!	575424	GR-DV	415138!	5782	TMTR	470334!
573022361	EL-MO	470712!	5744LUP	JN-MN	455079!	575424M1	C-R	415138!	5782LA	JN-MN	471466!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
57840S TROS	7188S		58116 MASTE	340413		5853LA JN-MN	451583!	*	5877LA JN-MN	417780*	
57841 TROS	40494S		5812 C-R	15X28X7		58550 ALLCH	472179		5877YK JOHND	204035	
578513XX TIMKE	57X85X13		5813 SPG	450307		5855LA JN-MN	471684!		587809R91 IH	472164!	
578576 ALLCH	205017		581333R91 IH	471766!		58560 TROS	1041		58787 C-R	3016	
57883 HYST	470409!		58142 CARDX	410694!		58561S TROS	471344		58787 C-R	456052	
57883 HYST	50409		5815 SPG	6064		5857 TIMKE	471224		587H41-L C-R	6864S	
578913-C1 IH	370057A		581646 IH	476838!		5857LA JN-MN	471571*		587W212-L C-R	5487	
578982 MC-CL	481481		581646R91 IH	476838!		585943-C91 IH	HU110A		5880 C-R	15X40X7	
5790 C-R	15X24X7!		5820 C-R	15X30X7!		585K-15 Y-T	352541		588008XX TIMKE	58X80X8	
5790 C-R	2027		5820 C-R	221540		585K-19 Y-T	471821!		58801S TROS	7013S	
5792 NATL	473450!		58201S TROS	5499=		585K-21 Y-T	455685		5880LA JN-MN	450039*	
579207 GMC	8139		5821 C-R	15X30X7!		585K-22 Y-T	415196!		5880LPD JN-MN	450039*	
5792LUP JN-MN	55X72X8!		5821 C-R	221540		585K-23 Y-T	472394		58821 MASTE	471765!	
57936 HYST	40494S		5821 SPG	470898		585K-24 Y-T	472397!		5883 C-R	15X40X7	
5793SH JN-MN	471689*		5821SS JN-MN	470625!		585K-25 Y-T	410737!		5883SS JN-MN	471526!	
5793SS JN-MN	471689!		5823 HYST	J1129		585K-26 Y-T	472636!		58843 MASTE	471571	
579432 GMC	7607		58235078 MACK	AR25		585K-28 Y-T	416556!		58846 KELSE	442251	
5796 TIMKE	471316		582413R91 IH	472185!		585K-28 Y-T	472157		588510A HARWA	58X85X10	
579651 ALLCH	473461!		582587C91 IH	370192A		585K-32 Y-T	471344!		588513XX TIMKE	58X85X13	
5797 TIMKE	5797		582587C91 NAVST	370192A		585K-34 Y-T	471821!		588737R91 IH	472193!	
579908 ALLCH	204017		5825LA JN-MN	55155=		585K-36 Y-T	40576S		588808XX TIMKE	58X88X8	
57F CLARK	240319		5825LUP JN-MN	55155=		585K-39 Y-T	470088		588964 CHRYS	472016	
57G CLARK	417267		5826LA JN-MN	472439		585K-415 Y-T	471424!		588978C91 IH	417484	
57GC186A MACK	5645		5826LPD JN-MN	472439		585K-45 Y-T	472397!		589010XX TIMKE	58X90X10	
57GC186B MACK	5645		5827 TIMKE	472179		585K-46 Y-T	471271!		589013C HARWA	58X90X10	
57GC187A MACK	5039		5827B JN-MN	471689!		585K-47 Y-T	417349		589208 CHRYS	472394	
57X85X13SC TRSCM	57X85X13		5828R JN-MN	472144!*		585K13 Y-T	471646!		5892LPD JN-MN	410102	
57X85X13TC TRSCM	57X85X13		5830 C-R	15X32X8		585S-35 Y-T	40568S		589305 CHRYS	473457!	
5800 C-R	15X24X7		5830153 GMC	471766* =		585S-36 Y-T	40576S		5893B JN-MN	471868*	
580028B SPG	712133		5830526 GMC	455024		585S-37 Y-T	417267		5894 FULLE	415995!	
580036C SPG	580036		5830SS JN-MN	471192		585S-413 Y-T	472394		589D1 WHITE	472924!	
580046 SPG	580046		5831 C-R	15X32X7!		5860 C-R	15X37X6		58N1617 WGEAR	472299	
580048C SPG	580048		5831 C-R	15X32X8!*		586089 CHRYS	5M867		58R035 SHOVS	415058	
580050C SPG	580050		5831355 GMC	470954		5861AB JOHND	474264		58R037 SHOVS	55353	
580058 SPG	224520		5831LA JN-MN	481073		58640S TROS	3103!		58R040 SHOVS	417316!	
580058C SPG	580058		5831LUP JN-MN	481073		58641 AM WH	470530!		58T002 SHOVS	470059	
580085C SPG	580085		5832 C-R	15X32X7V		58645C91 IH	471737		58T002 SHOVS	470380!	
5801 NATL	414045!		5833 SPG	473228		5865 TIMKE	5865		58T063 SHOVS	470059	
5801 WMG	414045!		583329R91 IH	240736		58660S TROS	321460		58T063 SHOVS	470380!	
580154C SPG	580154		583388C91 IH	100263		5867R JN-MN	472185!		58T067 SHOVS	471269!	
5802 C-R	15X24X7!		583388C91 IH	3905		58685D IH	410059		58T082 SHOVS	470059	
5802 C-R	2027		5835 C-R	15X32X7V		58685D IH	470380!		58T082 SHOVS	470380!	
5803 C-R	221510		5836 TIMKE	5836		58698 AM WH	450474		58T083 SHOVS	411376!	
580306C SPG	580306		5837 C-R	15X32X8!		5870 C-R	15X38X7		58T089 SHOVS	415498	
580315C SPG	228008		5839 C-R	15X32X7V		58700 C-R	55392=		58X-1868R3 MACK	442874	
580315C SPG	580315		58394 EATON	370021A		58702 TROS	5072		58X72X8SC TRSCM	58X72X8	
580316C SPG	3771		584 C-R	5M356		58707 C-R	55392=		58X72X8TC TRSCM	58X72X8	
580353C SPG	580353		5840 C-R	15X35X7		5870R JN-MN	55155* =		58X75X11SC TRSCM	58X75X11!	
580365C SPG	580365		5841 C-R	15X35X7!		58712 C-R	416476!		58X75X11TC TRSCM	58X75X11!	
580385C SPG	320595		5841LA JN-MN	470354*		58715 C-R	416476!		58X80X8SC TRSCM	58X80X8	
580386C SPG	580386		5842 C-R	15X35X7!		58715TA TRSCM	416476!		58X80X8TC TRSCM	58X80X8	
580387C SPG	580387		58423D IH	415196!		58715TA TRSCM	417364		58X85X10 SIMRT	58X85X10	
580388C SPG	580388		584346R91 IH	415379		58716 C-R	416476!		58X85X10AN(35) ISP	58X85X10	
580389C SPG	580389		5844 US-EL	413246		587208XX TIMKE	58X72X8		58X85X13SC TRSCM	58X85X13	
580390C SPG	710308		58440 TROS	7216		5872S TIMKE	472258		58X85X13TC TRSCM	58X85X13	
580391C SPG	222743		5844R JN-MN	471424!*		58736 C-R	416476!		58X88X8SC TRSCM	58X88X8	
5804 C-R	15X25X6!		5845 C-R	15X35X7		587372 C-R	472020		58X88X8TC TRSCM	58X88X8	
5804 C-R	221510*		5846 SPG	6064		58741 C-R	416476!*		58X90X10 SIMRT	58X90X10	
5804SS JN-MN	472258!		58461S TROS	473452		587416 C-R	417531		59005 C-R	150X180X12	
5805 C-R	15X26X7		5847 C-R	15X35X7V		587420 C-R	455685		590062 C-R	456462	
5806 C-R	15X26X7!		5848 C-R	15X35X7V		587424 C-R	417538		59010 C-R	150X180X12*	
58065D IH	472179		584913R91 IH	472193!		587424M1 C-R	417538		59010 C-R	150X180X15!	
5807 C-R	15X26X7!		585-1151 SPICE	4561V		5875 SPG	455280		590133 C-R	55239=	
5808 C-R	15X25X5!		58502R TROS	7018N=		58751 C-R	416476!		59015A HERCU	473240!	
5808 C-R	221510		585050 CHRYS	470625!		587511XX TIMKE	58X75X11		590246 C-R	55223=	
5808 NATL	221510		5850D-2011 Y-T	470605!		587541 CHRYS	5921		5903 EATON	415995!	
580920 BR-WN	J1138		5850SS JN-MN	472705!		587542 CHRYS	55337		5903 FULLE	415995!	
580980C1 IH	473454		58519 REX	295200=		58756 C-R	416476!		590312 C-R	455123	
580981C1 IH	473010		58519 REX	416888!		58760 C-R	455297*		59035 ALLCH	417487	
5810 C-R	15X28X7		5853-K300047 Y-T	415449!		5877 TIMKE	5877		590358 C-R	415124	
58101 TROS	7107A=		5853-K304268 Y-T	415379		587760 CHRYS	412473!		59036 ALLCH	471272!	
58102 TROS	7107A=		5853-K304268 Y-T	415379!		587778 GMC	472082		590448 C-R	455966	

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
590504	C-R	415090	5925	C-R	471532*	59587R91	IH	473463	5984LA	JN-MN	471579
590534	C-R	455462	5925SS	JN-MN	481568!*	595985	NEHO	713117	5984LPD	JN-MN	471579
5905LA	JN-MN	472157	5926	C-R	471532	5959R	JN-MN	417316!	5985	C-R	471564
5905LA	JN-MN	472157!	5926LA	JN-MN	417254*	596	C-R	5M403	59854	DGASK	17748
590609	C-R	33X50X12!	5926LUP	JN-MN	417254*	596-D2-11	REO	370007A	59860	TROS	1010=
59061	C-R	150X180X15!	592791	C-R	270X310X16	596-D2-13	REO	370007A	5986LA	JN-MN	471689!
59061	C-R	150X180X15V!	592860	GMC	414045!	596-D2-14	REO	370007A	598794	CHRY	411253!
59063	C-R	150X180X12*	59292195	BUC-E	415196!	596-D2-15	REO	370007A	5987LA	JN-MN	472843
5906LA	JN-MN	418028	593138	C-R	455462	596-D2-2	REO	370001A	59881C1	IH	417366!
5906LA	JN-MN	455137!	5931LUP	JN-MN	416071*	596-D2-39	REO	370057A	5988LA	JN-MN	450090
590733	C-R	417602!	593256	CHRY	473464!	596-D2-4	REO	370001A	599	ROCKW	471553!
590734	C-R	455123	593256	CHRY	473464	596-D2-40	REO	370057A	599086	CHRY	470774!
590740	C-R	415124	593258	CHRY	410737!	596-D2-45	REO	370057A	5991LA	JN-MN	417532*
590746	C-R	417022	593260	CHRY	415458!	596-D2-50	REO	370001A	5991LUP	JN-MN	417532
590751	C-R	417604	59328	SPG	470328	596-D2-6	REO	370001A	59920	DGASK	17720
590754	C-R	417604	59328	SPG	481213!	596-D238	REO	370007A	5992SH	JN-MN	470954!
590770	C-R	415128	5933	C-R	471532	5961	NATL	370036A	5992SS	JN-MN	470954!*
590780	C-R	455129	5934	C-R	471532	59614	ALLCH	416339	5993SS	JN-MN	450400
590781	C-R	455129	59340	C-R	417780	59614	ALLCH	455031!	599428M1	C-R	416167!
590786	C-R	415090	593467	C-R	415219*	596144C1	IH	713750	59946	DGASK	17746
590787	C-R	415090	59350	C-R	417780*	59615	ALLCH	415072	599463	CHRY	471829
590789	C-R	415090	59351	C-R	417780*	5961LA	JN-MN	417349*	59948	DGASK	17748
590798	C-R	415219	59352	C-R	417780	5961LUP	JN-MN	417349!	59959D	IH	416556!
5907LPD	JN-MN	416865!	593596	CHRY	410308!	596309C-91	IH	9773	59959D	IH	472157
590800	C-R	55078S	593743	C-R	455462*	596310C91	IH	416654	5995SH	JN-MN	471532*
590816	C-R	417606	59380	C-R	8907	596311C91	IH	412473	59960	DGASK	17760
590820	C-R	417606	5938LA	JN-MN	415116	596312C91	IH	415458	5996256	FIAT	713059
59103051D	AUDI	BS16144	593916R91	IH	417492	596313C91	IH	712937	59980	DGASK	17780
59105H	IH	5M867	59395	HYST	415001!	596351	CHRY	472164!	5999	SPG	470625!
5910LA	JN-MN	415034!	5939LA	JN-MN	417604	596372C1	IH	417484	59995	DGASK	17795
5910LPD	JN-MN	415034!*	594	ROCKW	473231	5963SH	JN-MN	417267	599957	GE	471255!
591135	C-R	455476	59401	TROS	5320=	596430C91	IH	330749V	59997	C-R	39807
5911R	JN-MN	55193=	59401D	IH	473010!	596430C92	IH	39920	59999	C-R	2297V!
59120S	TROS	9150S	594186	C-R	396412=	5964A	C-R	416921!	599D6	WHITE	6635S
59121	HYST	416404!	5943B	JN-MN	450040	5965	TIMKE	5965	599HMS422-T8	C-R	417535
5912756	GMC	471647	594447R91	CASE	471516!	596555C1	IH	370001A	59N1617	WGEAR	415991
591331	CLARK	470530!	594463-1	SPICE	417191	596556C1	IH	370121A	59N1617	WGEAR	455146!
591331	GMC	470530!	594463-1	SPICE	455165!	5965R	JN-MN	472144!*	5A174A	FAIRB	473228
59134	GRAY	472016	594463-2	SPICE	417191	5966	C-R	471558*	5A374A	FAIRB	472397!
59138	ESSIC	50345=	594463-2	SPICE	455165!	59660	TROS	415449	5A43	WHITE	471231!
59140	TROS	411348!	5946	C-R	471532*	596602C91	IH	473274	5A474A	FAIRB	411376!
591448	GMC	471341!	594639	Y-T	55353	596602C91	NAVST	4561V	5A530	CATER	415023
59148L	C-R	55333=	594672	EATON	415991	59660S	TROS	415449	5A574A	FAIRB	417316!
5915	NATL	473228	594672	EATON	455146!	596623	ACF	413246	5A809	CATER	471570!
59160S	TROS	203008	59468	BUDD	5970=	59675DA	IH	70146=	5A810	CATER	471281!
591771C91	IH	415483	5947	FULLE	415991	596D6	WHITE	5408	5A874A	FAIRB	471766!
591829C91	IH	471413	5947	FULLE	455146!	597	C-R	5M406=	5AL1041	OLIVE	204035
591830C91	IH	471267!	594702R91	CASE	5027	5970	NATL	203034	5AL1041	WHITE	204035
591831C91	IH	470954!	594703R1	CASE	5027	59701	TROS	5092	5AL1511	OLIVE	6590S
591832C91	IH	471267!	5949	C-R	473405*	59702	TROS	5072	5AL1514	OLIVE	470059
591833C91	IH	470380!	594962C1	IH	370003A	5971	C-R	471558*	5AL1514	OLIVE	470380!
591834C91	IH	482163!	594963C1	IH	370023A	597138	ACF	416865!	5AL4950	OLIVE	340815
591835C91	IH	470088	594964C1	IH	370048A	597147C1	IH	477163N	5B0653	CATER	416666
591836C91	IH	417484!	594965C1	IH	370150A	597324C1	IH	416364!	5B0760	CATER	471747!
591838C91	IH	470954	594966C1	IH	370124A	5973LA	JN-MN	415072*	5B1224	CATER	473232
591843C1	IH	240816	594967C1	IH	370131A	5974746	FIAT	713031	5B1395	CATER	415196!
591844C91	IH	471413!	5949B	JN-MN	472924!	597546R91	IH	7186S	5B2169	CATER	471785!
591845C91	IH	473231!	5950	C-R	473405*	5976	C-R	471558	5B2963	CATER	472636!
591846C91	IH	710029	5950	FULLE	471488!	59760S	TROS	335924N	5B505	CATER	455566
591847C91	IH	710021	5950B	JN-MN	480630!	597621C1	IH	471271!	5B6129	CATER	471785!
591896R91	IH	472185!	595169R91	IH	471272!	5976S	TIMKE	5976S	5B6365	CATER	450173
5919	NATL	200354	595206R91	IH	470380!	597702R91	CASE	5027	5B653	CATER	416666
591978	C-R	417022	59520S	TROS	331107N	5978LA	JN-MN	415196!	5B7017	CATER	410694!
5919S	WMG	204002	59524	MASTE	450593!	5970F60	FRUEH	203034	5B734	CATER	472164!
5920B	JN-MN	480630!	59540S	TROS	472354!	598	HYST	470059	5B9332	CATER	472636!
5922	SPG	455151	5955	C-R	473405	598	HYST	470380!	5CM1120	OLIVE	471737=
592237	C-R	417602!	5956	C-R	473405	5980LA	JN-MN	415128	5CM2023	OLIVE	200354
592358	C-R	417567	595638	GMC	470606!	5983LA	JN-MN	472287!	5D0505	CATER	455566
5924	TIMKE	5924	5956LA	JN-MN	455310	5984	EATON	417181!	5D103	CATER	JV1704=
592441	GMC	414045!	5957B	JN-MN	416891!	5984	FULLE	417181!	5D1962	CATER	315364=
592480	C-R	417603!	59586R91	IH	473463	5984	SPG	471526!	5D2796	CATER	470328
592483	C-R	415128	59587	VIC	472179	598462	CHRY	455336	5D2796	CATER	481213!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
5D505	CATER	455566	5NH20	ROSS	471689!	60-463-10-1X	SPICE	39925	6002155	CLARK	472157
5D6767	CATER	417247!	5P-1884	CATER	330699	600	UNIVE	415072*	600218C	SPG	600218
5F0549	CATER	411394!	5P0547	CATER	471442!	600-501-317A	VW	370047A	600219C	SPG	600219
5F1220	CATER	416476!	5P0711	CATER	471526!	60000	C-R	2297V!	600230	CHRYSL	5711
5F2422	CATER	471766!	5P0713	CATER	417350	60000	C-R	39807	600231	CHRYSL	471141!
5F2463	CATER	455117	5P0796	CATER	330699	6000029	GW	473228!	600231C	SPG	600231
5F3178	CATER	415025	5P1072	CATER	493524	60001	VIC	350364	60024	DURA	473236!
5F4258	CATER	471766!	5P1412	LETN	471750!	600016	WAYNE	473227!	6002436	CLARK	415124
5F4258	WESTR	471766	5P1415	ADAMS	471750!	600017	WAYNE	471224!	6002437	CLARK	417567
5F4624	CATER	472016	5P1415	WABCO	471750!	600017C	SPG	600017	6002442	CLARK	55228=
5F5422	CATER	471766!	5P1435	ADAMS	470530!	600027C	SPG	600027	60025	C-R	415072*
5F549	CATER	411394!	5P1436	ADAMS	473215!	60003	C-R	417365	600253C	SPG	600253
5F5797	CATER	472179	5P1436	WABCO	473215!	60003LDS	JN-MN	417507	600256C	SPG	600256
5F5798	CATER	450307	5P1502	ADAMS	476838!	60004	C-R	417365	60025LDS	JN-MN	473243
5F7730	CATER	417546!	5P1502	LETN	476838!	600045C	SPG	600045	60026	C-R	415072*=
5F7731	CATER	415072	5P1555	ADAMS	455008	600047C	SPG	600047	60026LDS	JN-MN	473235!
5H0033	CATER	415001	5P1713	CATER	471192	600048C	SPG	600048	60027	C-R	415072*
5H1190	CATER	471466!	5P1788	ADAMS	473238	600050	SPG	600050	6002724	CLARK	455462
5H2184	CATER	472705!	5P1788	LETN	473238	600056C	SPG	600056	6002730	CLARK	470605!
5H3789	CATER	472164!	5P3118	CATER	471195=	600058C	SPG	600058	60028	C-R	415072*
5H3792	CATER	411376!	5P3262	CATER	472572!	60006	C-R	415683	600280C	SPG	600280
5H4742	CATER	470380!	5P3412	CATER	471764!	600062C	SPG	600062	600281C	SPG	600281
5H4856	CATER	240736	5P4251	CATER	416919	600063C	SPG	600063	600284C	SPG	600284
5H4894	CATER	416865	5P4258	CATER	415458	600067281	LUF	473463	600286C	SPG	52X80X10
5H4904	CATER	416476	5P5299	CATER	417172	600069	ACF	471224!	600287C	SPG	600287
5H5021	CATER	471689!	5P547	CATER	471442!	600071C	SPG	600071	600288C	SPG	53X68X10
5H5241	CATER	471554!	5P6780	CATER	473416	600072C	SPG	600072	60029	C-R	415072
5H572	CATER	472397!	5P6859	CATER	7188S	60008	C-R	415072*	6002LA	JN-MN	415991
5H5879	CATER	471762!	5P6860	CATER	471413=	600085C	SPG	600085	6002LA	JN-MN	455146!
5H6012	CATER	471766!	5P6868	CATER	415196!	600091V	SPG	600091	60030	C-R	415072
5H6012	TMT	471766!	5P7003	CATER	471603!	600092C	SPG	600092	60030	VIC	50199S!
5H6012	WESTR	471766!	5P7032	CATER	3894V	60010	C-R	415072*	60030	VIC	6863S!
5H6136	CATER	7840S	5P713	CATER	417350!	60010	VIC	471103!	600300C	SPG	600300
5H6406	CATER	313043*=	5P7608	CATER	415449!	600103C	SPG	600103	600301C	SPG	600301
5H7628	CATER	471554!	5P769	ADAMS	415001!	60011	C-R	415072*	600304C	SPG	600304
5H9753	CATER	470334!	5P796	CATER	330699	600112C	SPG	600112	60031	C-R	415072
5J3620	CATER	710042	5P8216	CATER	7188S	600116C	SPG	600116	6003117	CLARK	415196!
5J3868	CATER	415437	5P8450	CATER	456483*=	600121C	SPG	600121	600317C	SPG	600317
5J3937	CATER	40433S	5P854	ADAMS	470334!	600123C	SPG	600123	600319	SPG	5645
5J3942	CATER	447060	5P9294	CATER	471442	600129C	SPG	600129	60032	C-R	415072
5J3944	CATER	417596	5P9440	CATER	471554	60013	VIC	471579	600323C	SPG	600323
5J8200	CATER	710040	5R2218	CATER	240698	600139	ACF	471224	60033	VIC	474277
5J8225	CATER	710041	5S2106	CATER	472653	60014	VIC	50010	600332C	SPG	600332
5J964	CATER	710034	5S4408	CATER	415007*	600141C	SPG	600141	600337	SPG	600337
5J9969	CATER	417349	5S4408	CATER	417483	6001465	CLARK	415725!	600343C	SPG	600343
5K0658	CATER	417316!	5S4433	CATER	446631=	60015	C-R	415072	600357	SPG	5288
5K0983	CATER	417210!	5S6296	CATER	3813	600150C	SPG	600150	600357C	SPG	600357
5K2595	CATER	415995!	5S6620	CATER	482230N	600157C	SPG	600157	600361C	SPG	600361
5K658	CATER	417316!	5S6622	CATER	482230N	60015LDS	JN-MN	417556	600370	SPG	5290
5K983	CATER	417210!	5S9022	CATER	2628!	60016	C-R	415072*	6004	C-R	417509
5L4757	CATER	415146!	5T1012	HU-WR	473016!	600164C	SPG	600164	600408C	SPG	600408
5L4757	CATER	415991	5T1013	HU-WR	472157!	600166C	SPG	600166	60041	VIC	470004!
5L4776	CATER	471271!	5T1013	HU-WR	472157	600167C	SPG	600167	600410	C-R	416144
5L5885	CATER	456030N*=	5T1014	HU-WR	472439	600168C	SPG	600168	600410M1	C-R	416144
5L8925	CATER	471766!	5T1015	HU-WR	417191	600170C	SPG	600170	600412	C-R	416149
5LT1520	MINNM	417433	5T1015	HU-WR	456585	600178C	SPG	600178	600412M1	C-R	416149
5LT1520	OLIVE	417433	5T1220	HU-WR	416332!	600182C	SPG	600182	600414	C-R	417526
5LT1534	OLIVE	473214!	5T1225	HU-WR	415196!	600189	SPG	600189	600414M1	C-R	417526
5LT1547	OLIVE	471870!	5T1228	HU-WR	415074	6001904	CLARK	472924!	600416	C-R	416154!
5M0278	CATER	417487!	5X1034	ROCKW	OK1034	600197	DENCO	472636!	600416M1	C-R	416154!
5M0278	CATER	417487	5X7501	CATER	415116	6001LA	JN-MN	473231	600418	C-R	417534
5M278	CATER	417487!	5X9263	CATER	471760	600203C	SPG	600203	600420	C-R	416158
5M278	CATER	417487	5Y158	FED	5408	600204C	SPG	600204	600420M1	C-R	416158
5M9734	CATER	471649!	5Y203	FED	5401	6002061	CLARK	415294!	600421	CHRYSL	471821!
5M9735	CATER	471787!	5Y204	FED	5403	6002077	CLARK	416865!	600422	C-R	417535
5M9736	CATER	472287!	5Y205	FED	5405	6002085	CLARK	455129	600424	C-R	417247!
5M9737	CATER	473229	6-3007	SPICE	442380	600208C	SPG	600208	600424M1	C-R	417247!
5M9738	CATER	472164!	6-PS221	C-P	472492!	6002098	CLARK	417606	600426	C-R	416163
5M9739	CATER	473462	6-SPC22	NOVO	472179	6002105	CLARK	416476!	600426M1	C-R	416163
5M9740	CATER	411253!	60-04617	B-L-H	415035	600210C	SPG	600210	600428	C-R	416167!
5N4779	CATER	470605!	60-04617	B-L-H	415035!	600212C	SPG	600212	600428	MINMA	416167!
5NH20	GEM	471689!	60-42213	B-L-H	471231!	6002155	CLARK	472157!	600428M1	C-R	416167!

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600430	CLARK	417539!	600988	CATER	455019!	60201S	TROS	5573	603235	LAWN	340771
600430	MINMA	417539!	600A40010	TROS	417509	60202	VIC	470590	603235	O-M	340771
60044	C-R	455203	600A44810	TROS	417247!	60203	TROS	2055	60324	VIC	471763
6004404	TROS	45637S	600C5	C-R	415725!	60204	VIC	471137	60325	VIC	472644
600445C	SPG	600445	600FM424	C-R	417247!	60217	VIC	450038	60326	VIC	471785!
60044808	TROS	200642	600G422	C-R	45637S	60220	TROS	451182	603289	LAWN	254270
60044813	TROS	57248	600HD422	C-R	45637S	60222	VIC	471571	603289	O-M	254270
60044M1	C-R	455203	600HD422-T8	C-R	45637S	60224	VIC	471647	60329	VIC	450044*
60045609	TROS	416167!	600HD426	C-R	345214=	60226	VIC	472951	603290	LAWN	340815
60045610	TROS	416167!	601	DEXTR	J1110=	60226	VIC	474252	603290	O-M	340815
60046	C-R	417515	60101	VIC	471255!	60228	VIC	450039	60331	VIC	473428*
60046010	TROS	417539!	60101S	TROS	370015A	60233	VIC	451583!	60333	VIC	471764!
60048	C-R	416137	60102S	TROS	7537S	60235	VIC	471648	60335	VIC	473427
60048M1	C-R	416137	60103	TROS	5113	60237	VIC	471688	60340	VIC	483054N
6004A	C-R	472258	60103	TROS	7721!	602376	ALLCH	473437	60346	VIC	472475
6004M1	C-R	417509	601032	SPERY	415991	60239	VIC	450040	603462	ALLCH	473016!
6005	C-R	415725!	601032	SPERY	415991!	60242	VIC	472311!	60347	VIC	473426*
60050013	TROS	415725!	601033	CATER	417509	60245	VIC	471224!	60349	VIC	471765!
600509C	SPG	600509	601033	SPERY	455134!	602463	ACF	471103!	60351	VIC	453063
60051	VIC	471442!	601034	SPERY	417349!	60247	VIC	471649!	60353	VIC	471354!
600510	ACF	473229	60104	TROS	8243	6025	SPG	415437	60357	VIC	473205
600511	ACF	471785!	60105	TROS	205044	60250	VIC	471689!	60359	VIC	474254
600512	ACF	472826!	60106	TROS	8976S	60252	VIC	450593!	60373	VIC	450173
600513	ACF	471141!	60106	VIC	481073	60254	VIC	471733	6038	SPG	474264
600514C	SPG	600514	60107	TROS	418028	60254D	IH	411394!	60382	OLIVE	472924!
6005189	CLARK	415645!	60109	VIC	471538!*	60256	VIC	471744!	60382	VIC	474278!
6005189	CLARK	455104	601093	O-M	254270	60258	GW	471760	60386	VIC	471750!
6005191	CLARK	416888!	60111	COC	471553!	60258	VIC	471760*	60388	AM HO	471766!
6005197	CLARK	416229	60111	VIC	471553!	60260	VIC	471760	60388	CARVR	471766!
60052	VIC	471526!	60113	VIC	471579	602632	LAWN	254287	60388	VIC	471766!
600520C	SPG	600520	60117	CATER	471529	602632	O-M	254287	60390	VIC	471787!
6005418	CLARK	416239!	60118	VIC	50026	60265	VIC	50209	603914	ACF	471413
6005432	CLARK	340413	60120	TROS	7994S	60267	VIC	481650	60392	VIC	471787!
6005435	CLARK	415072	60128	VIC	480821!	6027	SPG	471413	603932C91	IH	471796!
6005439	CLARK	340927	60132	ALLCH	415146!	6028	EDELM	25598	603933C91	IH	416921!
6005507	CLARK	415551	60132	ALLCH	415991	60282	VIC	480210!	60394	VIC	450177
6005552	CLARK	340356	60135	VIC	471554!	60284	VIC	471651	60395	VIC	471795
6005616	CLARK	415036	601356F	OLIVE	470774!	60285	VIC	470606!	60396	VIC	471795
60057	VIC	471472!	60137	VIC	471567!	60286	VIC	471705!	60398	VIC	450165
6005838	CLARK	417020	60139	VIC	471498*	602862	DENCO	471570!	60398	VIC	471801!
6005839	CLARK	415001!	6013SS	JN-MN	473473	60288	VIC	473419	603VB7	MARI	415072
6005841	CLARK	455584	60140	TROS	41257!	6028LA	JN-MN	471231!	604	UNIVE	417562
6005842	CLARK	417273	60142	VIC	471684!	60290	VIC	471735	60402S	TROS	471193
6005844	CLARK	416666	60144	VIC	450033	60294	VIC	450342	60403	VIC	470050*
600590J	SPG	712134	60149	VIC	481443!	60295	VIC	471762!	60405	VIC	473424!
6005M1	C-R	415725!	6014SH	JN-MN	471763	60296	VIC	471762!	604058	JEFF	470059
60060	VIC	471549!	60151	VIC	481568!	602960	LAWN	240733	604058	JEFF	470380!
600604	DENCO	473214!	60153	VIC	481644	602960	O-M	240733	604066	WHELA	473010
6006286	CLARK	416077	60157	VIC	474273	603	DEXTR	J1122	60407	VIC	450124=
6006365	CLARK	340787	60162	VIC	471231!	603000	ALLCH	455008	6040LUP	JN-MN	417493
600652C	SPG	600652	60166	VIC	474253	603001	ALLCH	471554!	6041LA	JN-MN	416654!
60067	VIC	471530	60168	VIC	471645	603002	ALLCH	476838!	60420	TROS	7457N
600750	MICH	415072*	601684	DENCO	416664!	603003	ALLCH	471750!	60421	GMC	481644
600750	UNIVE	415072*	601686	DENCO	416664!	603006	ALLCH	471224!	60421	VIC	450129
600755E	SPG	3771	60170	VIC	471686	603007	ALLCH	471795	60421	VIC	472826!
60076	VIC	472705!	60172	VIC	473412	6030076	ALLCH	471795	60423	VIC	473421
600766C	SPG	224052	601748	DENCO	417247!	603008	ALLCH	471763	60425	VIC	473211!
600768C	SPG	600768	601758	CLARK	472179	603009	ALLCH	471570!	60427	VIC	473212!
60078	VIC	471281!	60177	VIC	473413	60301	VIC	450044	60429	VIC	40769S
60079	VIC	471281!	60179	VIC	473414	603010	ALLCH	471649!	6042SS	JN-MN	415303!
600796C	SPG	600796	6017SS	JN-MN	40494S	60301S	TROS	370021A	60431	VIC	473213!
600797C	SPG	600797	6018	HYST	417492	60309	VIC	450159	60434	OLIVE	470059
6007LA	JN-MN	471760*	60183	VIC	473415	603101	LAWN	471267!	60434	OLIVE	470380!
6007LUP	JN-MN	471760	601872	ALLCH	471733	603101	O-M	471267!	60436	VIC	473435
60080	VIC	471535!	60192	VIC	471267!	60314	VIC	472560N!	604372	ALLCH	471766!
60082	VIC	471551!	601927	DENCO	473237!	603158	GMC	6936S	60438	VIC	473436
60087	VIC	471532	60193	VIC	450398	60318	COC	476838!	60438D	IH	473245!
60089	VIC	473405	60193	VIC	471267!	60318	VIC	476838!	6043LA	JN-MN	415303!*
6008R	JN-MN	471737*	60196	VIC	471570!	60319	VIC	350974!	60440	TROS	473235
60090	C-R	415072*	60199	VIC	471633!*	60320	VIC	470712!	60442	VIC	450054
60091	VIC	471558	602	UNIVE	457874	60322	VIC	471747!	604420	VICK	203012
60096	VIC	471466!	60200	VIC	471646!	603226	ACF	472311!	604439	ALLCH	473228!

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
604468	CUSH	471267!	60507107	ALFAR	223520!	60603	BL-KN	473234	606910	ALLCH	472185!
604468	O-M	471267!	605093	ALLCH	450311	60603	VIC	473234	606911	ALLCH	470625!
604471	CUSH	471466!	60510	VIC	410190	606034C91	IH	417267	606912	ALLCH	417082
604471	LAWN	471466!	60511	VIC	473440	60605	VIC	473235!	606914	ALLCH	412861
604471	O-M	471466!	60512	VIC	474281!	60607	VIC	474265	606917	ALLCH	415683
604479	ALLCH	417351!	605133	ALLCH	470682	606072C91	IH	417267	606919	ALLCH	473228
60449	VIC	472258*	60513394	ALFAR	713018	60608	VIC	450765!	60692	VIC	473449
6044B	JN-MN	471529	60515781	ALFAR	713006	60609	AM HO	473236!	606920	ALLCH	416339
60450	VIC	470774!	60516684	ALFAR	713014	60609	VIC	473236!	606920	ALLCH	455031!
60451	VIC	470774!	60517110	ALFAR	228480	6061084	WHITE	471272!	60698	VIC	473450
60452	VIC	472287!	6051B	JN-MN	450090*	606147	ALLCH	442380	6069SS	JN-MN	472705!
60454	IH	471192	60520S	TROS	7399S!	60615	VIC	473446	606VB7	MARI	417562
60454	VIC	471192	60521230	ALFAR	713010	60617	VIC	470086	606W412-L	C-R	6635S
60454D	IH	471192	60521293	ALFAR	713013	606185C91	IH	416107!	607	BUTBN	40337S
604557	ALLCH	473228	60521S	TROS	473214	606185C91	IH	455073	60700	VIC	450090*
60456	VIC	473214	60522	TROS	480210!	60620	VIC	50327*	60708	VIC	473451!
60458	VIC	473215!	605249	ALLCH	472164!	60620S	TROS	473237	60712	VIC	473452
60459	VIC	473215!	60524D	IH	411394!	60622	VIC	450068	607143R91	IH	472164!
60462	VIC	470950!	60530	VIC	472299*	606230	CHRY	5711	607152R91	IH	473215!
60462	VIC	6241S	60531	VIC	472299	606237C91	IH	471442!	607154R91	IH	473426
60463	VIC	471835!	60532	VIC	471821!	60624	VIC	50075=	60718	VIC	473453
604634	SPICE	417316!	60534	VIC	471827*	60624D	IH	418029!	6071LA	JN-MN	412119!
604634-1	SPICE	417316!	60536	VIC	473229	60625D	IH	455500	60720	TROS	5390
604634-2	SPICE	417316!	60537	VIC	450143	60626	VIC	50191	607208B	HARWA	60X72X8
604634-3	SPICE	417316!	60538	VIC	470682	606293R92	IH	411245!	607208XX	TIMKE	60X72X8
604635	SPICE	415995!	60539	VIC	471316	60632	VIC	50081	60725	VIC	472439
604636	SPICE	100495	6053B	JN-MN	450133*	60635	VIC	450400*	60727	VIC	471868*
604636	SPICE	417349	60540	VIC	471316	60638	VIC	472164!	60728	VIC	471868
604636-1	SPICE	100495	60540S	TROS	474260	6064	SEAMA	472636!	6072LA	JN-MN	455191
604636-1	SPICE	417349	60541	VIC	450803*	6064	TIMKE	6064	6072LUP	JN-MN	455191
604637	SPICE	415995!	60541R	TROS	331228H	60640	VIC	472164!	60730	VIC	472572!
604638	SPICE	417316	60542	VIC	473441	60640S	TROS	3095	60732	VIC	473179!
604638-1	SPICE	417316!	60543	VIC	473442!	60641	VIC	472185!	60734	VIC	414045!
60464	VIC	450776!	60549	VIC	450065	60642	VIC	472193!	60735	VIC	473238!
60465	VIC	473197	60551	VIC	482253	60643	VIC	472185!	60736	VIC	473238
60473	VIC	50254=	60553	VIC	451469	60644	VIC	470334!	6073LA	JN-MN	471748
60476	VIC	473224!	60555	VIC	450274	60645	VIC	470334!	6073LUP	JN-MN	417487
604762	UNIVE	457874	60556429	ALFAR	713017	60646	VIC	472179	6074	TIMKE	6074
604763	MICH	457874	605582A	WHITE	455197N	606469R91	IH	200881	60740	TROS	5576
60478	AM HO	473016!	60560701	ALFAR	713007	60648	VIC	473447	60740	VIC	450084!
60478	VIC	473016!	60562	VIC	473231	6064LA	JN-MN	417542	60741	TROS	5095
60480	VIC	473225!	60564	VIC	473367	6065	SPG	413478	60742	VIC	473239
60484	AM HO	474264	60564	VIC	473367!	606535C91	IH	456055V=	60744	VIC	473457!
60484	VIC	474264	60567607	ALFAR	713015	60655	VIC	471141!	60745	VIC	473240!*
60485	VIC	471862	60568	VIC	473010	60656	VIC	471141!	60746	VIC	473458!*
604866100	EATON	50209	605686	GMC	471231!	606567C1	IH	JX1137=	60749	VIC	410524
60489	VIC	473438	60569298	ALFAR	713012	606568C91	IH	416557	607498	GMC	472016
6048R	JN-MN	472150	60569304	ALFAR	713009	606568C92	IH	416557	607508XX	TIMKE	60X75X8
60492	GRAY	476470	6056LA	JN-MN	473010	60660	VIC	473313	607538	GMC	417316!
60493	GRAY	416339	6056LUP	JN-MN	473010	60663	VIC	470088*	60755VTA	TRSCM	415072
60493	GRAY	455031!	60570	VIC	473232	606660C91	IH	415995!	607569	GMC	470530!
60493	VIC	473439!	60572	VIC	481864	606676C1	IH	JX1252=	607589	GMC	415449!
60494	VIC	474276!	60574	AM HO	474274	606677C91	IH	470774!	607590	CLARK	415449!
60497	VIC	453065	60574	VIC	474274	60668	VIC	6936S	60766	VIC	473459
604973	ALLCH	416888!	6057LA	JN-MN	473010	60671	VIC	50266	60767	VIC	472144!
604973	ROCKW	416888!	60580	VIC	473444	60673	VIC	450269	607670	GMC	415449!
604974	ALLCH	455375=	60581	VIC	414268!	60675	VIC	450285	6076861	BENDI	471747!
604974	ROCKW	455375=	605816	GMC	473215!	606750C91	IH	412119!	6077	TIMKE	6077
60498	VIC	470625!	605823	GMC	450593!	606751C91	IH	471766!	60771	VIC	472394
604986	ALLCH	415458!	60583	VIC	450335*	606752C91	IH	471766!	60773	VIC	473461!
6049C	DIA	370036A	605836	GMC	471224!	606778C91	IH	417344!	60773	VIC	65X85X10
604A42410	TROS	370030A	60584	VIC	450467	606778C92	IH	417344!	60775	VIC	471391!
6050-101-2	TRMBL	416158	60585	VIC	450260	606778C93	IH	417344!	60777	VIC	473462
60500	CLARK	470059	60589	VIC	450073	606779C1	IH	J1515=	60781	VIC	450446*
60500	CLARK	470380!	605898	ALLCH	471224!	606779C2	IH	JX1576=	60782	JAE	472492!
60500	VIC	470059	605898	ROCKW	471224!	6068	SEAMA	473016!	60782	MASSE	472492!
60500	VIC	470380!	605D6	WHITE	5401	60683	VIC	450089*	60782	VIC	472492!
60500516	ALFAR	713001	605VB7	MARI	417596	60688	VIC	472070	60786	VIC	472924!
60502S	TROS	471341!	606	C-R	5M445	606892C91	IH	416287	607861R91	IH	471341!
60503646	ALFAR	713011	606	UNIVE	417563	606892C91	IH	416288!	607862R91	IH	476838!
60504	VIC	471820	606-D831	BENDI	415035	60690	VIC	471866!	60787	BL-KN	472924!
60506	VIC	473228	606-D831	BENDI	415035!	606908	ALLCH	471785!	60787	VIC	472924!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
60790	VIC	470530!	608722	GMC	471224!	60968	VIC	417344!	60G151	GR-DV	415960!
60791	GRAY	472951	60873	VIC	455136	6096LA	JN-MN	472636!	60G152	GR-DV	472144!
60791	GRAY	474252	60875	VIC	411376!	60970	VIC	417158!	60G155	GR-DV	415988
60794	VIC	472397!	60877	VIC	415234!	60972	VIC	416921!	60G157	GR-DV	417343!
60796	VIC	473463*	608775	MICH	417562	60974	VIC	417134	60G16	GR-DV	417269!
60798	VIC	473242	608775	UNIVE	417562	60975	VIC	416921!	60G162	GR-DV	476470
607A	BUTBN	40337S	60879	VIC	55337	60979	VIC	416654!	60G164	GR-DV	411253!
607VB7	MARI	455121	60883	VIC	411394!	60981	VIC	417486	60G17	GR-DV	415645!
608	UNIVE	416229	608839	VICK	471224!	60986	VIC	415995!	60G17	GR-DV	455104
60800	VIC	473464!	60885	VIC	411394!	60987	VIC	415995!	60G171	GR-DV	415124
60800	VIC	473464	60887	VIC	410694!	60988	VIC	415995!	60G177	GR-DV	455129
608008XX	TIMKE	60X80X8	60889	VIC	416444	60991	VIC	417351!	60G18	GR-DV	470059
60801	GRAY	473423	6088LA	JN-MN	471760	60993	VIC	417487	60G18	GR-DV	470380!
60801S	TROS	471538	60893	VIC	413246	60996	VIC	415088	60G186	GR-DV	415116
60802	VIC	410102	60894	VIC	412119!	60996	VIC	415088!	60G187	GR-DV	415219
60805219	ALFAR	713003	60895	VIC	410987!	60997	VIC	455019!	60G188	GR-DV	471442!
60806372	ALFAR	713002	60895	VIC	450686	60998	AM WH	471760	60G19	GR-DV	416288!
60808	VIC	5877*	60896	VIC	410987!	60998	VIC	415088!	60G2	GR-DV	416339
6081	SPG	412871!	60897	VIC	416271!*	60998	VIC	477163N	60G2	GR-DV	455031!
60810	VIC	472012	60898	BU-SP	416271!	609VB7	MARI	417298	60G20	GR-DV	416229
60812	VIC	450307	60898	VIC	416271!	60DD20	GR-DV	473230!	60G203	GR-DV	415035
60814	VIC	450311	608VB7	MARI	416229	60DD64	GR-DV	417254	60G21	GR-DV	415023
60815	GRAY	450400	609008XX	TIMKE	60X90X8	60DD83	GR-DV	417172	60G217	GR-DV	415088!
60816	VIC	416738!	60901	TROS	470954!	60DD92	GR-DV	473239	60G217	GR-DV	415088
60816	VIC	450096	609010A	HARWA	60X90X10	60G1	GR-DV	416921!	60G22	GR-DV	472179
60817	VIC	416738!	609010XX	TIMKE	60X90X10	60G10	GR-DV	415025	60G220	GR-DV	415023
60817	VIC	450096	60902	AM HO	411500	60G100	GR-DV	415034!	60G221	GR-DV	476470
60819	VIC	450313	60902	VIC	411500*	60G103	GR-DV	415960	60G222	GR-DV	416556!
6081SS	JN-MN	410308!	60903	AM HO	450104	60G104	GR-DV	417487	60G222	GR-DV	472157
6081SS	JN-MN	473468	60903	VIC	450104	60G105	GR-DV	417487	60G224	GR-DV	417366!
6082	SPG	473473	60905	AM HO	411245!	60G106	GR-DV	418029!	60G226	GR-DV	472015!
608207XX	TIMKE	60X82X7	60905	VIC	411245!	60G107	GR-DV	415027	60G227	GR-DV	473232!
608212XX	TIMKE	60X82X12	60907	VIC	417073*	60G107	GR-DV	415027!	60G228	GR-DV	415088
60827	VIC	470898	6090S	TIMKE	6090S	60G108	GR-DV	471570!	60G228	GR-DV	415088!
60829	VIC	453066	60911	VIC	471271!	60G109	GR-DV	417546!	60G229	GR-DV	472397!
60829	VIC	470898!	60913	VIC	410496!	60G11	GR-DV	416077	60G23	GR-DV	473245!
60833	VIC	473467	60914	VIC	470605!*	60G110	GR-DV	471466!	60G230	GR-DV	415449!
60834	VIC	472015!	60918	VIC	415449!	60G111	GR-DV	474278!	60G236	GR-DV	471413!
608343	GMC	471760	6091LA	JN-MN	416107!	60G112	GR-DV	470334!	60G238	GR-DV	455134!
60835	GRAY	471466!	6091LA	JN-MN	455073	60G112	GR-DV	50289	60G239	GR-DV	473245!
60835	VIC	472015!	60920	VIC	415001!	60G113	GR-DV	470590	60G24	GR-DV	471750!
60836	TIMKE	414	60922	VIC	416273!	60G114	GR-DV	471766!	60G242	GR-DV	415551
60837	VIC	410308!	60925	VIC	415302	60G116	GR-DV	470334!	60G244	GR-DV	417172
60839	VIC	472016	60926	VIC	455280	60G118	GR-DV	415302	60G246	GR-DV	470059
6084	NATL	353141!	60927	VIC	415988	60G12	GR-DV	417298	60G246	GR-DV	470380!
60841	VIC	472409!	60928	VIC	411330!	60G120	GR-DV	471192	60G247	GR-DV	473231
60843	VIC	473243	609289	WHELA	415072	60G121	GR-DV	473205	60G25	GR-DV	457874
60845	VIC	413469!	60929	VIC	415483!	60G122	GR-DV	40301S	60G250	GR-DV	471413
60845610	TROS	417267	6093	NATL	471442!	60G123	GR-DV	40301S	60G251	GR-DV	415483!
60845R91	IH	415449!	60930	VIC	412871!	60G124	GR-DV	472157!	60G252	GR-DV	470334!
6084LA	JN-MN	471224!	60931	AM WH	473367!	60G124	GR-DV	472157	60G252	GR-DV	50289
6084LUP	JN-MN	471224!	60931	AM WH	473367	60G125	GR-DV	472810!	60G254	GR-DV	417316!
608508XX	TIMKE	60X85X8	60932	VIC	415458!	60G125199	GR-DV	415227!	60G258	GR-DV	415984!
608512XX	TIMKE	60X85X12	60934	VIC	417343!	60G125200	GR-DV	417298	60G259	GR-DV	415198
60853	VIC	473471*	60935	GRAY	450457	60G125201	GR-DV	415196!	60G26	GR-DV	416865!
60856	VIC	470354	60936	VIC	415007	60G125202	GR-DV	415090	60G27	GR-DV	476470
60858	VIC	473245!	6093SH	JN-MN	471466*	60G128	GR-DV	450111	60G28	GR-DV	416476!
608586	CLARK	472185!	6093SS	JN-MN	471466!	60G13	GR-DV	416666	60G29	GR-DV	415072
6085LA	JN-MN	415066	60943	VIC	455151	60G130	GR-DV	471760	60G3	GR-DV	415458!
6085LPD	JN-MN	415066	60945	VIC	455008	60G131	GR-DV	471652	60G30	GR-DV	416888!
6086	PETTI	415988	60949	VIC	416664!	60G132	GR-DV	473224!	60G31	GR-DV	416271!
60861	VIC	412943*	60950	VIC	457291	60G133	GR-DV	340771	60G32	GR-DV	476470
60862	VIC	473471	609508XX	TIMKE	60X95X8	60G134	GR-DV	450457	60G33	GR-DV	417567
60863	VIC	471341!	609510A	HARWA	60X95X13	60G135	GR-DV	450165	60G34	GR-DV	470059
60864	VIC	471272!	60952	VIC	415984!*	60G135	GR-DV	471801!	60G34	GR-DV	470380!
60866	VIC	473473	60953	VIC	417316!	60G14	GR-DV	412119!	60G35	GR-DV	472397!
60867	VIC	410737!	60954	VIC	417316!	60G141	GR-DV	416239!	60G36	GR-DV	417211!
60868	VIC	472636!	60956	VIC	415960!	60G142	GR-DV	417603!	60G38	GR-DV	473460
60868N	VIC	472636!	60961	VIC	455005	60G145	GR-DV	470328	60G39	GR-DV	417191
6086LA	JN-MN	415090	60963	VIC	417485	60G145	GR-DV	481213!	60G39	GR-DV	456585
60870	VIC	411253!	609638A	WHITE	470898	60G15	GR-DV	417316!	60G4	GR-DV	415995!
60872	VIC	412920!	60964	VIC	2081	60G150	GR-DV	455005	60G40	GR-DV	411245!

! Industrial Size/Type * Minor Width Difference

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
60G41	GR-DV	415449!	60X72X8TC TRSCM	60X72X8	61078 VIC	415991	61167 JAE	415035!	61167 JAE	415035	
60G42	GR-DV	450274	60X75X8SC TRSCM	60X75X8	61078 VIC	455146!	61167 JAE	415035	61167 VIC	415035	
60G43	GR-DV	417602!	60X75X8TC TRSCM	60X75X8	61079 GWI	415991	61167 VIC	415035!	61169 VIC	417356!	
60G44	GR-DV	417604	60X80X8SC TRSCM	60X80X8!	61079 GWI	455146!	61167 VIC	415035!	61169 VIC	417356!	
60G45	GR-DV	472179	60X80X8TC TRSCM	60X80X8!	61079 VIC	415991	61169 VIC	455188	61171 SPG	410708	
60G46	GR-DV	470682	60X82X12SC TRSCM	60X82X12!	61079 VIC	455146!	61171 VIC	417357	61171 VIC	455192!	
60G47	GR-DV	450165	60X82X12TC TRSCM	60X82X12!	6107OSR JN-MN	473215!*	61173 VIC	417357	61173 VIC	455192!	
60G47	GR-DV	471801!	60X82X7ASN ISP	60X82X7	6108 C-R	340387	61174 VIC	416130!	61175 VIC	415036	
60G48	GR-DV	474265	60X85X8SC TRSCM	60X85X8	61081 VIC	417196!*	611758 ALLCH	473460	61176 VIC	417507!	
60G49	GR-DV	472394	60X85X8TC TRSCM	60X85X8	610813 MICH	417298	61176 VIC	417507	61176 VIC	416865	
60G5	GR-DV	416339	60X90X10 FORSH	60X90X10	61083 VIC	415437*	611761 ALLCH	415035	611763 ALLCH	415254	
60G5	GR-DV	455031!	60X90X10 SIMRT	60X90X10	610866C92 IH	412040	611764 ALLCH	473452	61177 VIC	415041	
60G50	GR-DV	472016	60X90X10SC TRSCM	60X90X10	610867C92 IH	411394!	611770 SPERY	415035	61178 VIC	415041*	
60G51	GR-DV	473225!	60X90X10TC TRSCM	60X90X10	610870C92 IH	417344!	61179 VIC	417509*	61181 VIC	417223	
60G52	GR-DV	472179	60X90X8SC TRSCM	60X90X8	6108B JN-MN	416956*	61181 VIC	417223	61186 VIC	55193*=	
60G53	GR-DV	472924!	60X90X8TC TRSCM	60X90X8	6108LUP JN-MN	416956	61186 VIC	455037	61188 VIC	340849	
60G54	GR-DV	411245!	60X95X13 SIMRT	60X95X13	61090 VIC	415711*	61197 VIC	415041	61199 VIC	415142*	
60G55	GR-DV	416654!	60X95X8SC TRSCM	60X95X8	61092 VIC	417497*	61200 C-R	253747!	61200 O-M	343185	
60G56	GR-DV	416288!	60X95X8TC TRSCM	60X95X8	61094 OLIVE	415483!	61200 CLARK	410059	61200 CLARK	470380!	
60G57	GR-DV	415995!	61-A2652 BENDI	415035!	61094 VIC	417498*	61201 VIC	417512	61203 VIC	415043	
60G58	GR-DV	417196!	61-A2652 BENDI	415035	61095 VIC	417498	61203 VIC	415043	61203S TROS	471821!	
60G59	GR-DV	417205!	610 UNIVE	417298	61096 VIC	55028	61205 VIC	455203*	61207 VIC	455056	
60G6	GR-DV	415058	61002 VIC	55155=	61099 VIC	455402=	61210 C-R	417516	61210 C-R	455330!	
60G60	GR-DV	416891!	61004 VIC	455015	611 CALI	415234!	61212 VIC	455194*	61212 VIC	417513	
60G61	GR-DV	474264	6100B JN-MN	416153!	61101 VIC	416332!	61214 VIC	417513	61216 VIC	417514	
60G62	GR-DV	472179	6100LPD JN-MN	416153!	61101S TROS	7607	61220 C-R	455330!	61220 VIC	417516	
60G63	GR-DV	415187	6101 TIMKE	6101	61102 TROS	8139	61221 C-R	455330!	61222 VIC	417516	
60G64	GR-DV	413469!	61012 VIC	6754S=	61103 TROS	291295	61222 VIC	415058*	61225 VIC	472157	
60G65	GR-DV	413469!	61013 VIC	417621!	61103 VIC	415937!	61225 VIC	472157	61227 VIC	415196!*	
60G66	GR-DV	415349	610136C91 IH	473214!	61103S WOOL	472179	61229 VIC	416891!	61240S TROS	7886S	
60G69	GR-DV	470806	61015 VIC	416288!*	61103D IH	471192	61241 VIC	455197	61241 VIC	455197N	
60G7	GR-DV	415138!	61018 VIC	417171!	61104S TROS	331301N	61243 VIC	417520	61245 VIC	416144	
60G70	GR-DV	472185!	61019 VIC	417172	61105 VIC	417355!*	612462R91 IH	471341!	61247 VIC	417238	
60G71	GR-DV	472016	61020 VIC	415021	61108 VIC	416125!	61248 C-R	415074	6125 C-R	343105!	
60G72	GR-DV	474274	61022 VIC	415394	61109 VIC	416125!*					
60G73	GR-DV	415991	61024 VIC	456105*	61112 VIC	417501*					
60G73	GR-DV	455146!	61026 VIC	417490*	61116 VIC	55030					
60G8	GR-DV	470530!	61027 VIC	455336*	61116M1 MASSE	JV1215=					
60G83	GR-DV	417191	61028 VIC	455022	61117 VIC	55646*=					
60G84	GR-DV	417210!	6103 C-R	710274	61117M1 MASSE	200752					
60G85	GR-DV	471705!	610318C91 IH	411376!	61120 TROS	472164					
60G86	GR-DV	472572!	61033 VIC	476470	61121 VIC	415379					
60G87	GR-DV	417366!	610336C91 IH	417316!	61121 VIC	415379!					
60G88	GR-DV	455151	610337C91 IH	416557=	61123 VIC	417205!*					
60G89	GR-DV	417351!	61036 VIC	417181!*	61125 VIC	416339					
60G9	GR-DV	411253!	61038 VIC	418028	61125 VIC	455031!					
60G90	GR-DV	417621!	61038 VIC	455137!	61127 VIC	415150!*					
60G91	GR-DV	470334!	61040 VIC	418028	6112R JN-MN	470898					
60G91	GR-DV	50289	61040 VIC	455137!	61134 VIC	455178=					
60G92	GR-DV	415021	61041 VIC	417353!	61136 VIC	417504*					
60G95	GR-DV	470334!	61042 VIC	415023	61138 VIC	455032!					
60G95	GR-DV	50289	610465C91 IH	450593!	6113LA JN-MN	470898					
60G96	GR-DV	472397!	61047 VIC	416292*	6113LPD JN-MN	470898					
60G97	GR-DV	473245!	6105 C-R	340387	6113LUD JN-MN	470898					
60G9763	GR-DV	415090	61051 VIC	415085!	61140 VIC	455189*					
60G9764	GR-DV	417298	61051 VIC	456648	6114180 GMC	417316!					
60G9765	GR-DV	415196!	610521 GMC	456744N	61145 VIC	417210!*					
60G98	GR-DV	470059	61054 VIC	455024	61147 VIC	417211!*					
60G98	GR-DV	470380!	61059 VIC	412473!	6115 SPG	473463					
60G99	GR-DV	416288!	61061 VIC	417191	61150 VIC	416345!					
60J175	GR-DV	415294!	61061 VIC	456585	61150 VIC	455033					
60N1617	WGEAR	471224!	61062 VIC	417191	61151 VIC	417366!*					
60X10010XX	TIMKE	60X100X10	61062 VIC	456585	61152 VIC	415697!					
60X100X10SC	TRSCM	60X100X10	610626C91 IH	416664=	61152 VIC	455547					
60X100X10TC	TRSCM	60X100X10	61063 VIC	417354!*	61156 VIC	417967!*					
60X11008XX	TIMKE	60X110X8	610632C91 IH	416664=	61158 VIC	415034!					
60X110X8SC	TRSCM	60X110X8	61064 VIC	455249!	6116 HYST	415645!					
60X110X8TC	TRSCM	60X110X8	61065 VIC	415025	61160 VIC	455191*					
60X171	GR-DV	415124	61070 VIC	417492*	61161 TROS	42101S					
60X72X8	FORSH	60X72X8	610712C92 IH	417349!	61161 VIC	417506					
60X72X8	SIMRT	60X72X8	61072 VIC	417493*	61164 VIC	457294					
60X72X8SC	TRSCM	60X72X8	61074 VIC	455026	61165 VIC	415187					

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
6125	C-R	7399S	6135	C-R	351487	6146LUP	JN-MN	415035!	6164	SEAMA	412119!
61250	C-R	415074*	61350	VIC	417541*	6146LUP	JN-MN	415035	61640009	TROS	417223
61252	VIC	415196!*	6135090	FORD	713087	6147	C-R	7188S	61641209	TROS	417516
61254	VIC	415047	61354	VIC	417546!*	614702	GERL	415559	61641609	TROS	415058
61255	C-R	457874	613558C91	IH	415351!	614729	CLARK	471760	61642409	TROS	370019A
61256	VIC	416149*	61359	VIC	415645!	614733	CLARK	471570!	61643609	TROS	457585
61257	VIC	6635S	61359	VIC	455104	61474	VIC	455123*	61644009	TROS	370021A
61258	VIC	415060	6135B	JN-MN	450472!*	614740	CLARK	471787	61646009	TROS	417273
61258	VIC	455060	61364	VIC	415938*	61479	VIC	415124*	61650009	TROS	416865
6125SH	JN-MN	40328*	613640C91	IH	416865	6148	C-R	351487	61650010	TROS	416865
61261	C-R	457874	61369	AM HO	416107!	61489	BUC-E	417604	61650014	TROS	416865!
61263	VIC	457295	61369	AM HO	455073	61489	VIC	417604*	61650809	TROS	417258
61266	VIC	417525	61369	BUC-E	416107!	61494	VIC	417567*	61650811	TROS	417258
61268	VIC	417526*	61369	BUC-E	455073	6149LA	JN-MN	455194*	61651607	TROS	417262!
612692R91	IH	471341!	61369	VIC	416107!	6150	C-R	7188S	61651609	TROS	417262!
612693R91	IH	476838!	61369	VIC	455073	61500	VIC	415128*	6165RPD	JN-MN	415697!
6127	TIMKE	6127	61374	VIC	417556*	6150037	FORD	331107N	6165RPD	JN-MN	455547
61270	VIC	415351!	61379	VIC	416666*	61507S	TROS	7442H	616654	CLARK	40059S
61272	VIC	415351!	6138	C-R	7188S	615098C91	IH	416404=	61670	AM WH	415645!
61275	VIC	416888!	61384	VIC	416476!	61509S	TROS	342805	61670	AM WH	455104
61277	VIC	416153!	61389	BUC-E	415072	6151	C-R	351487	6168	C-R	471466!
61277R91	IH	472636!	61389	VIC	415072*	61510	VIC	415090*	616800	UNIVE	416229
612787	UNIVE	417563	6138LA	JN-MN	470898	61510S	TROS	7751H	6168LA	JN-MN	455292=
612788	MICH	417563	6139	C-R	7188S	61512S	TROS	473228!	6169	C-R	471466!
61279	VIC	416892!	613901C91	IH	416287	61514S	TROS	8421S	61692R91	IH	417344!
61281	VIC	416154!*	613901C91	IH	416288!	61515	VIC	55218*=	6169LA	JN-MN	416364!
61282	VIC	416070	613938	WHITE	472636!	615166	CLARK	471264!	616A42410	TROS	370019A
61283	VIC	415351!	61394	VIC	457874*	6152	C-R	314267N	616B43209	TROS	370021A
61286	VIC	55539*=	61399	VIC	417562*	6152	C-R	340724!	616D-045	BENDI	415035!
61288	VIC	417533	613W428	C-R	417267	6152	CLIN	481443!	616D-045	BENDI	415035
61290	VIC	417534*	614	UNIVE	455584	61520	VIC	415219*	61701	TROS	5591
61297	VIC	415371	61402S	TROS	471193	61520S	TROS	7929S	617250	CHRY	471224!
61299	AM HO	416158	61404	VIC	417563*	61521S	TROS	473473	6172LA	JN-MN	471276*
61299	VIC	416158*	61408	VIC	416229*	6152753281	KOMAT	100296	6173OSR	JN-MN	417205!*
612W216-L	C-R	5401	6140LA	JN-MN	417316!	61530	VIC	417606*	6174OSR	JN-MN	418028
612W416	C-R	416070	6141	C-R	7188S	61535	VIC	55222*=	6174OSR	JN-MN	455137!
613-19-86	TRMBL	370036A	614138	GERL	416107!	615380	CLARK	472185!	61758	AM WH	415379!
613-19-86	TRMBL	370349A	614138	GERL	455073	61540	VIC	55223*=	61758	AM WH	415379
6130	C-R	343105!	61414	VIC	417298*	615438C91	IH	8126S	61761	TROS	227040
6130	C-R	7399S	614145	GERL	455056	61545	VIC	55224*=	61761	TROS	70X90X10!
61301	VIC	415064	61419	VIC	417596	615463-2	SPICE	415088	61781R91	IH	5408
61306	VIC	415284	614202	CATER	417298	615463-2	SPICE	415088!	61783R91	IH	5408
61308	VIC	417535	614202	GERL	417298	615499C91	IH	7840S	617845	CATER	415045!
6131	CHRY	471554!	61424	VIC	455584	61550	VIC	417020*	6180	C-R	471466!
6131	DURA	471554!	61429	VIC	416239!	61559	VIC	417570*	61801S	TROS	7399S!
61310	VIC	417536	6143	C-R	7188S	61567	VIC	415227!*	61802S	TROS	7840S
61312	VIC	417537	61430	VIC	416239!	615670C91	IH	415988=	6181	C-R	471466!
61314	VIC	55367*=	61434	VIC	416077	6158	MARI	417020	618113	WHITE	40468
61315	VIC	415138!	61439	BUC-E	415116	615803	WHITE	471689!	618139	ALLCH	411253!
61317	VIC	417538*	61439	VIC	415116*	615826	CATER	472179	61820	C-R	455583N!*
61319	VIC	417247!	614410R91	IH	40568S	615831C91	IH	410825	61820S	TROS	471652
613199	CATER	473463	61444	VIC	455117*	615833C91	IH	473243	6183	C-R	471466!
61321	VIC	415066	6144631	SPICE	471689!	61585	VIC	415482*	6184	C-R	471466!
61326	VIC	416163*	61449	MARI	415551	615860	CLARK	415995!	61840	C-R	455583N!*
61328	VIC	456890	61449	VIC	415551*	6158SS	JN-MN	240733	6186	C-R	471466!
6133	GARLK	254287	6144LA	JN-MN	416339	615N2	WHITE	473215!	6186	TIMKE	470354
61330	AM WH	417247!	6144LA	JN-MN	455031!	61601	TROS	5587	618641	ALLCH	472185!
61333	GW	416167!	6145	C-R	351487	61604	VIC	415076*	618662	ALLCH	470954!
61333	VIC	416167!	61454	VIC	417598*	61607XX	TIMKE	6X16X7	6186S	NATL	470354
61335	VIC	417267*	61459	VIC	455406!	6161052	HERCU	340771	618841	ALLCH	471466
61337	VIC	417269!	6145LA	JN-MN	417181!	6161106A	HERCU	471466!	618897	WHITE	5408
6133SH	JN-MN	417267	614631	SPICE	473473	6161310	HERCU	417210!	6189	C-R	471466!
613416	C-R	416070*	614633	SPICE	417316!	6161310B	HERCU	417210!	618950	WHITE	5401
61342	VIC	417539!*	614634-3	SPICE	471570!	61618	MC-CL	471551!	618951	WHITE	5403
613424	C-R	417252	61464	VIC	455121*	61620S	TROS	350936	6189SS	JN-MN	343105
613428	C-R	417267	61466	VIC	417600*	61626	VIC	473425	6189SS	JN-MN	7399S!
613428M1	C-R	417267	61467	VIC	417601*	6162LA	JN-MN	471765!	619	C-R	5M466
61344	VIC	417273	614682	CLARK	40169S	6162LUP	JN-MN	471765!	61901S	TROS	7338N
61348	C-R	417518	61469	VIC	417602!	61630	MARI	455406!	61902S	TROS	7456N
61349	VIC	416865!	614699	CATER	473475	616310	HERCU	417210!	61903S	TROS	331173
6134LA	JN-MN	473213!	6146LA	JN-MN	415035!	6163S	TIMKE	472924	6190B	JN-MN	417349
6134LPD	JN-MN	473213!	6146LA	JN-MN	415035	6164	NATL	452222!	619153	CHRY	473313

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
6193	C-R	471466!*	62043	VIC	40568S	620C01034	AM MA	415371	62204	VIC	471526!
6195	C-R	471466!	62044	VIC	472311	620C01035	SEAMA	415371	62205	VIC	471526!
619586C91	IH	413246	62045	VIC	42352S	620C01041	AM MA	417554!	62206	VIC	471526!
619621C91	IH	416288!	620456	ADAMS	415645!	620C01048	AM MA	416892!	62207XX	TIMKE	6X22X7
619775C1	IH	JX1401=	620456	ADAMS	455104	620C01052	AM MA	415371	62208	VIC	471472!
619884	WHITE	415138!	62046	VIC	340413	620C01053	AM MA	416404!	62209	VIC	471472!
619888	ALLCH	472179	62049	VIC	340787	6210	C-R	471466!	62210	VIC	471472!
619890	ALLCH	416891!	620491	SPICE	471276	62100	VIC	416404!	62210000	AM BR	471695=
619900	ALLCH	471138!	620491	SPICE	474127	62101	TROS	9015S	62211	VIC	471472!
619901	ALLCH	471689!	620493	SPICE	471737	62101	VIC	416297	62212	VIC	471466!
619982C91	IH	472439	6204G	P-C	TCS45472	62102	VIC	6358	62213	VIC	471466!
62-F95C	PUL	415995!	62050	VIC	46997S	62102S	TROS	9015S	62214	VIC	471466!
620-C-01019	REX	471271!	62051	VIC	350364	621033R91	IH	471831!	62215	VIC	471466!
620-C1018	REX	412119!	620512	ADAMS	415991	62106	VIC	415725!	62216	VIC	471264!
620-C1034	REX	415371	620512	ADAMS	455146!	6210713281	KOMAT	927120	62218	VIC	471264!
620-C1052	REX	415371	62053	VIC	40576S	62108	VIC	415938	62219	VIC	471264!
6200	TIMKE	473214	620531	WHITE	416167!	6211	C-R	471466!	62220	TROS	8168=
62000	C-R	2628!	620532X20	TROS	370027A	6211115	WHITE	455480!	62220	VIC	471255!
62000	C-R	39885	62054	VIC	40566S	6211116	WHITE	471766!	62220SK	VIC	471255!
62000	C-R	39887	62055	VIC	471413	621156	ALLCH	412040	62221	TROS	484054
62000	VIC	471264	620590	SPICE	710043	621187	ADAMS	415138!	62221	VIC	471255!
62001	C-R	39888	62060	VIC	42763	621189C91	IH	473238	62222	VIC	471255!
62001	C-R	39889	620602	ADAMS	417171!	6212	C-R	471466!	62223	VIC	471255!
62001	C-R	5613!	620602	LETN	417171!	6212	SPG	6966S	62224	VIC	471564
62001	VIC	240319	620616	GERL	456105	621201C91	IH	472572!	62225	VIC	471564
620022	WHITE	476470	62062	VIC	41075S	621225C91	IH	470954!	62226	VIC	471564
620027	CATER	417223	62066	VIC	5865	6213	C-R	471466!	62228	VIC	470954!
62003	VIC	471267	62067	VIC	40085S	62132	VIC	470774!	62229	VIC	470954!
62004	VIC	471442	62068	VIC	417485	6213LA	JN-MN	471646!	62230	VIC	470954!
62005	VIC	43069S	62069	VIC	471787	62140	TROS	8121S	622300C91	IH	455019!
620058	DANA	710385	6206B	JN-MN	417254*	6215	C-R	471466!	622300C92	IH	455019!
620062	SPICE	710044	62070	VIC	43086S	62152	VIC	471707N	622301C91	IH	473238!
62008	VIC	40973S	62071	VIC	471785!	6215516	B-L-H	473238	622309	WOOL	416071
62009	VIC	6064*	6207216	B-L-H	474278!	62156	VIC	9613S	62231	VIC	470954!
6200C01004	AM MA	473016!	62073	VIC	40769S	62158	VIC	473258!	62232	VIC	471554!
6200C01017	AM MA	472636!	62074	VIC	40468	62159	VIC	471835!	622322	MANT	471760
6200C01033	AM MA	415371	62076	VIC	471466	62160	VIC	470950!	622325	MANT	455583N!
6200LA	JN-MN	415449!	62077	VIC	43089S	62160	VIC	6241S	62233	VIC	471554!
62010	VIC	43071S	62078	VIC	42421S	62171	VIC	340815	622332	MANT	481568!
6201050	REX	415379!	620782	GERL	415025	621713	ADAMS	476470	62234	VIC	471554!
6201050	REX	415379	620784	ALLCH	473010	621713	LETN	476470	62235	VIC	471554!
62012	GW	470954!	6207849	ALLCH	473010	621713	WABCO	476470	62236	VIC	471567!
62012	VIC	470954	620785	ALLCH	471649!	62173	VIC	473517!	62237	VIC	471567!
62013	VIC	40369S	62079	VIC	204503!	62175	VIC	450400	62238	VIC	471567!
62016	VIC	40370S	62079	VIC	473237	62176	VIC	471504	622382	MANT	473464
62019	VIC	472354!	6208	C-R	471466!	62178	VIC	472070	622382	MANT	473464!
620199	VIC	370003A	62080	VIC	47150S	62182	VIC	332062	622386	MANT	416404!
620199	WHITE	370003A	620812	UNIVE	417298	62184	VIC	473179!	622387	MANT	45525S
62019AN	BUC-E	472354!	62083	VIC	6241S*	62187	VIC	451078!	62239	VIC	471567!
62020	VIC	254287!	620834	GERL	473458!	62188	VIC	352541	62240	VIC	471643!
62021	VIC	43072S	620840	SPICE	483793	62189	VIC	472341!	62240S	TROS	8133S
620216	SPICE	5131	620843	WHITE	JV753	6218LA	JN-MN	416345!	62241	VIC	471643!
620218	GERL	415187	620843A	WHITE	370007A	6218LA	JN-MN	455033	622416	MANT	416229
62021AN	BUC-E	472560N	620848	WHITE	370006A	6218LUP	JN-MN	416345!	62242	VIC	471643!
62023	VIC	43074S	620871	ALLCH	473231!	6218LUP	JN-MN	455033	62243	VIC	471643!
62024	VIC	471224	6209	C-R	471466!	62190	VIC	472082	62244	VIC	471267!
62025	VIC	45637S	62096	VIC	473459	62191	VIC	473467	62245	VIC	471267!
620257	SPICE	2300	620985	ALLCH	471649=	62192	VIC	472018	622456	MANT	55223=
62028	VIC	43076S	62099	VIC	415227!	62193	VIC	470354	62246	VIC	471267!
62029	VIC	43073S	6209SH	JN-MN	40169S*	62194	VIC	471341!	62247	VIC	471267!
620297	ADAMS	417205!	620A50420	TROS	370003A	62196	VIC	471272!	62248	VIC	471570!
6203	C-R	471466!	620BM224-L	C-R	6643S	62198	VIC	410825	62249	VIC	471570!
62030	VIC	43077S	620C01005	AM MA	473227	621986	ADAMS	472636!	622492	MANT	416107!
62031	VIC	330385!	620C01011	AM MA	203034	62199	VIC	455151	622492	MANT	455073
62032	VIC	240435	620C01014	AM MA	471424!	621993	CLARK	472179	622496	MANT	417316!
62034	VIC	43078S	620C01019	SEAMA	471271!	622	ROTO	471466	622497	MANT	417082
62035	VIC	471766	620C01021	AM MA	415082	62200	VIC	471442!	622498	MANT	417211!
62036	VIC	40627S=	620C01023	AM MA	416664!	62201	VIC	471442!	6225	C-R	471466!
62039	VIC	40504S=	620C01024	AM MA	417349	62201S	TROS	8293S	62250	VIC	471570!
6204	C-R	471466!	620C01029	AM MA	417496	62202	CUSH	205020=	622500	MANT	415347
62040	VIC	471526	620C01032	AM MA	415060	62202	VIC	471442!	622504	MANT	455397
62041	VIC	340771*	620C01032	AM MA	455060	62203	VIC	471442!	622505	MANT	412040

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
622506	MANT	415991	62272	VIC	471733	62328	VIC	470625!	62394	VIC	471424!
622506	MANT	455146!	622720	WMG	215	62329	VIC	470625!	62395	VIC	471424!
622507	MANT	415991	622721	WMG	216	62330	VIC	470625!	62396	VIC	472492!
622507	MANT	455146!	622722	WMG	217	62332	VIC	470380!	62397	VIC	472492!
622509	MANT	416229	622723	WMG	218	62333	VIC	470380!	623971	ALLCH	75251S
62251	VIC	471570!	622724	WMG	219	62334	VIC	470380!	62398	VIC	472492!
622512	MANT	415047	622725	WMG	220	62336	VIC	473228	62399	VIC	472492!
622513	MANT	411253!	622726	WMG	221	62337	VIC	473228	624	ROTO	240009
622516	MANT	417269!	622727	WMG	222	62338	VIC	473228!	6240	C-R	240009
622518	MANT	415027!	622728	WMG	325	62339	VIC	473228!	6240	SPG	205035
622518	MANT	415027	622729	WMG	326	62340	VIC	473230!	62400	VIC	472924!
62252	VIC	471646!	62273	VIC	471733	62341	VIC	473230!	62401	TROS	8610
622526	MANT	415088	62274	VIC	471733	62342	VIC	473230!	62401	VIC	472924!
622526	MANT	415088!	62275	VIC	471733	62343	VIC	473230!	62402	VIC	472924!
622527	MANT	417487	62276	VIC	471652	62344	VIC	473231!	62403	VIC	472924!
62253	VIC	471646!	62276	VIC	482208!	623442	GERL	415082	62404	VIC	472397!
622532	MANT	417269!	62277	VIC	471652	62345	VIC	473231	62405	VIC	472397!
622533	MANT	415035	62278	VIC	471652	62346	VIC	473231!	62406	VIC	472397!
622533	MANT	415035!	62279	VIC	471652	623463-1	SPICE	472157!	62407	VIC	472397!
622534	MANT	417278	6228	C-R	471466!	623463-1	SPICE	472157	62408	VIC	473242
622535	MANT	412473!	62280	VIC	471692!	623463-2	SPICE	471271!	62409	VIC	473242
622537	MANT	415645!	62281	VIC	471692!	623463-3	SPICE	450143	6240J	DIA	472636!
622537	MANT	455104	62282	VIC	471692!	62347	VIC	473231!	6240S	SPG	205035
622538	MANT	416239!	62283	VIC	471692!	62348	VIC	473010!	6241	EATON	470950!
622539	MANT	415076	62284	VIC	470712!	62349	VIC	473010	6241	EATON	6241S
622540	MANT	416476!	62285	VIC	470712!	6234LA	JN-MN	6936S*	6241	SEAMA	471424!
622542	MANT	416666	62286	VIC	470712!	6235	C-R	471466!	6241	SPG	6241S
622543	MANT	417298	62287	VIC	470712!	62350	VIC	473010!	62410	VIC	473242
62255	VIC	471646!	62288	VIC	471763	62351	VIC	473010!	62411	VIC	473242
622555	MANT	416892!	62289	VIC	471763	62352	VIC	473232!	62412	VIC	473204
62256	VIC	470590	6229	C-R	471466	62354	VIC	473232!	62413	VIC	473204
622561	MANT	417487!	62290	VIC	471763	62355	VIC	473232!	62414	VIC	473204
622561	MANT	417487	62291	VIC	471763	62356	VIC	473237!	62415	VIC	473204
62257	VIC	470590	62292	VIC	471413!	62357	VIC	473237!	62416	VIC	470898
622573	MANT	415001!	62293	VIC	471413!	62358	VIC	473237!	62417	VIC	470898
622578	MANT	455471	62294	VIC	471413!	62359	VIC	473237!	62418	VIC	470898
62258	VIC	470590	62295	VIC	471413!	6235LA	JN-MN	417343!*	62419	VIC	470898
62259	VIC	470590	62296	VIC	471737	62360	VIC	472164!	6241A	EATON	471795
6226	SPG	471271!	62297	VIC	471737	62362	VIC	472164!	6241H	TRUK	473467!
62260	VIC	471224!	62298	VIC	471737	62364	VIC	472185!	6241R	JN-MN	455583N!
62261	VIC	471224!	622984	ALLCH	417349	62365	VIC	472185!	6241S	NATL	470950!
622610C91	IH	240735	62299	VIC	471737	62367	VIC	472185!	6241S	TIMKE	6241S
62262	VIC	471224!	6230	C-R	471466!	62368	VIC	472179	62420	TROS	472070
622620	MANT	415991	62300	VIC	471766!	62369	VIC	472179	62420	VIC	472015!
622620	MANT	455146!	62301	VIC	471766!	62369A	VIC	472179	62421	VIC	472015!
622625	MANT	416339	62302	VIC	471766!	62370	VIC	472179	62422	VIC	472015!
622625	MANT	455031!	62303	VIC	471766!	62371	VIC	472179	62422A	VIC	472015!
622627	MANT	417546!	62303	VIC	471766*	62372	VIC	472439	62423	VIC	472015!
622633	MANT	417596	62303	VIC	471766*	62373	VIC	472439	62424	VIC	472016!
62264	VIC	471649!	62304	VIC	471795	62374	VIC	472439	62426	VIC	472016!
62265	VIC	471649!	62305	VIC	471795	62375	VIC	472439	62427	VIC	472016!
62266	VIC	471649!	62306	VIC	471795	62376	VIC	472572!	62428	VIC	473243
62268	VIC	471689!	62307	VIC	471795	62377	VIC	472572!	62429	VIC	473243
62269	VIC	471689!	62308	VIC	472258!	62377A	VIC	472572!	62430	VIC	473243
6226LA	JN-MN	450285	62309	VIC	472258!	62378	VIC	472572!	62431	VIC	473243
62270	VIC	471689!	62310	VIC	472258!	623784	ALLCH	415379!	62432	VIC	471272!
622703	WMG	008	62311	VIC	472258!	623784	ALLCH	415379	62433	VIC	471272!
622704	FMW	009	62312	VIC	471192	62379	VIC	472572!	62434	VIC	471272!
622705	WMG	010	62313	VIC	471192	62380	VIC	473238!	62435	VIC	471272!
622706	WMG	011	62314	VIC	471192	62381	VIC	473238	624359	CLARK	470380!
622708	WMG	110	62316	VIC	473214!	62382	VIC	473238!	62436	VIC	471138!
622709	WMG	111	62317	VIC	473214	62383	VIC	473238!	624360	CLARK	471760
622710	WMG	112	62318	VIC	473214!	62384	VIC	473239!	624361	CLARK	415449!
622711	WMG	113	62319	VIC	473214!	62385	VIC	473239	624362	CLARK	415995!
622712	WMG	114	623197	ALLCH	471737=	62386	VIC	473239!	62437	VIC	471138!
622713	WMG	115	62320	VIC	473215!	62387	VIC	473239!	62438	VIC	471138!
622714	WMG	116	62321	VIC	473215!	62388	VIC	473240!	62439	VIC	471138!
622715	WMG	210	62322	VIC	473215!	62389	VIC	473240!	62440	VIC	472636!
622716	WMG	211	62323	VIC	473215!	62390	VIC	413248	62441	VIC	472636!
622717	WMG	212	62325	VIC	473227	62391	VIC	473240!	62442	VIC	472636!
622718	WMG	213	62326	VIC	473227!	62392	VIC	471424!	62443	VIC	472636!
622719	WMG	214	62327	VIC	473227!	62393	VIC	471424!	62444	VIC	412920!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
62445	VIC	62496	VIC	625418	C-R	62585	VIC
62446	VIC	62497	C-R	62542	VIC	62586	C-R
62447	VIC	62497	VIC	625420	C-R	62586	VIC
62448	VIC	62498	VIC	625420M1	C-R	62587	VIC
62449	VIC	62499	VIC	625422	C-R	62588	C-R
6245	C-R	625	ROTO	625424	C-R	62588	VIC
6245	GW1	6250	C-R	625424M1	C-R	62589	VIC
62450	VIC	6250	C-R	625426	C-R	62590	VIC
62451	VIC	62500	C-R	625426M1	C-R	62591	VIC
62452	VIC	62500	VIC	625428	C-R	6259146	GMC
62453	VIC	62501	VIC	625428	GR-DV	6259190	GMC
62454	VIC	62502	VIC	625428M1	C-R	62592	VIC
62455	VIC	62503	VIC	62543	VIC	62593	VIC
62456	VIC	62504	VIC	625430	C-R	62594	VIC
62457	VIC	62505	VIC	625430M1	C-R	62595	VIC
62458	VIC	62506	VIC	62544	C-R	62596	VIC
62459	VIC	62507	VIC	62546	C-R	62596	VIC
6245M1	C-R	62508	VIC	62548	C-R	62597	VIC
6245M1	GW1	62508	ALLCH	62548	GR-DV	62597	VIC
62460	VIC	62509	VIC	62548	GR-DV	62598	VIC
62461	VIC	62509	VIC	6254K	FAIRB	62598	VIC
62462	VIC	62510	VIC	6254M1	C-R	62599	VIC
624621	GERL	62510	VIC	6255	C-R	62599	VIC
62463	VIC	62511	C-R	6255	CABOT	625B5	C-R
6246314	SPICE	62512	VIC	6255	GR-DV	625E5	C-R
624632	SPICE	62514	VIC	6255	HU-WR	625M420-L	C-R
624632-5	SPICE	62516	VIC	6255	MINMA	625W4	C-R
624633	SPICE	62517	VIC	625520R91	IH	625W412	C-R
624634-2	SPICE	62518	VIC	625521R91	IH	625W412	C-R
624636	SPICE	62519	VIC	625534	WHITE	625W422	C-R
624638	SPICE	62520	VIC	62554	C-R	625W424	C-R
624639	SPICE	62521	VIC	6255508	GMC	62600	VIC
62464	VIC	62522	VIC	62558	C-R	62601	VIC
62465	VIC	62522SF	VIC	62558M1	C-R	62602	VIC
624650	ALLCH	62523	VIC	62558M1	C-R	62603	VIC
624653	ALLCH	62524	VIC	6255CR	F-R-H	62604	VIC
624655	ALLCH	62525	VIC	6255K	FAIRB	62605	VIC
624655	ALLCH	62526	VIC	6255M1	C-R	62606	VIC
62466	VIC	62527	VIC	6256074	GMC	62607	VIC
62467	VIC	62527R91	IH	62563	VIC	6260707	GMC
62468	VIC	62528	VIC	62563	VIC	6260718	GMC
62469	VIC	62529	VIC	625631	CONTI	62608	VIC
6247	C-R	62529	VIC	625634	CATER	62609	VIC
62470	VIC	62530	VIC	62564	VIC	62610	VIC
62471	VIC	62531	VIC	62565	VIC	62611	VIC
62472	VIC	62531	VIC	62566	VIC	62612	VIC
62473	VIC	62532	VIC	6256603	GMC	62613	VIC
62474	VIC	62533	VIC	62567	VIC	62614	VIC
62475	VIC	62534	VIC	62568	VIC	62615	VIC
62476	VIC	62535	C-R	6256804	GMC	62616	VIC
62477	VIC	62535	VIC	62569	VIC	62617	VIC
62478	VIC	62536	VIC	6256973	GMC	62618	VIC
62479	VIC	62536	VIC	62570	VIC	62619	VIC
6248	C-R	62537	VIC	62571	VIC	62620	VIC
62480	VIC	62537	VIC	62572	C-R	62621	VIC
62481	VIC	62538	VIC	62572	VIC	62622	VIC
62482	VIC	62538	VIC	62573	VIC	62623	VIC
62482	VIC	62539	VIC	6257354	GMC	62624	VIC
624825	MICH	62539	VIC	62574	VIC	62625	VIC
624825	UNIVE	6254	C-R	6257476	GMC	62625C91	IH
62483	VIC	62540	C-R	62575	VIC	626257C91	IH
62484	VIC	62540	VIC	6257604	GMC	626259C91	IH
62486	VIC	62541	C-R	6257834	GMC	62626	VIC
62486	VIC	62541	VIC	6257C	DIA	62627	VIC
62488	VIC	625410	C-R	6257C	WHITE	62628	VIC
62489	VIC	625410M1	C-R	6257LA	JN-MN	62629	VIC
62490	VIC	625412	C-R	6257LPD	JN-MN	62629	VIC
62492	VIC	625412	C-R	62580	VIC	62630	VIC
62493	VIC	625412	WHITE	62581	VIC	62631	VIC
62494	VIC	625414	C-R	62582	VIC	62632	VIC
62495	C-R	625416	C-R	62583	VIC	62633	VIC
62495	VIC	625416M1	C-R	62584	VIC	62634	VIC

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62635	VIC	417205!	62698	VIC	416892!	62761	VIC	416666	628941	ALLCH	415449!
62636	VIC	416339	62699	VIC	416892!	62761A	VIC	416666	6289LA	JN-MN	415995!
62637	VIC	416339	6269SS	JN-MN	50883=	62762	VIC	416666	629010XX	TIMKE	62X90X10
62638	VIC	416339	626B5	C-R	416865!*	62763	VIC	416666	62903SC	VIC	415984!
62639	VIC	416339	626BM5	C-R	416865!*	62764	VIC	417364	629040	ALLCH	417316!
6263LA	JN-MN	415295	6270	TIMKE	6270	62765	VIC	417364	62922	VIC	417692!
62640	VIC	417211!	62700	VIC	415138!	62766	VIC	417364	62925	VIC	417350!
62641	VIC	417211!	62700	VIC	714750	62767	VIC	417364	62925M	VIC	417350=
62642	VIC	417211!	62701	TROS	473454	62768	VIC	417365	6292SS	JN-MN	472016!*
62643	VIC	417211!	62701	VIC	415138!	62769	VIC	417365	62930	C-R	160X185X10
62648	VIC	415697!	62702	VIC	415138!	62770	VIC	417365	62931	VIC	416706=
62649	VIC	415697!	62703	VIC	415138!	62771	VIC	417365	629317	CONTI	455080
626495C91	IH	5147=	62704	VIC	417247!	62772	VIC	415072	62933	VIC	415958
6264R	JN-MN	417511	62705	VIC	417247!	62773	VIC	415072	62935	C-R	160X185X10V
62650	VIC	415697!	62706	VIC	417247!	62774	VIC	415072	629355R91	IH	473214
62651	VIC	415697!	62707	VIC	417247!	62775	VIC	415072	62940	C-R	160X190X15
62652	VIC	417366!	6270LA	JN-MN	417254	62775TA	TRSCM	417562	62941	C-R	160X190X15V
62653	VIC	417366!	6270S	NATL	6270	62784	VIC	411376!	629419	CLARK	470712!
62654	VIC	417366!	62712	VIC	416865!	627875C92	IH	3126*=	62945	C-R	160X190X15V
62655	VIC	417366!	62713	VIC	416865!	627878	CHRY	473179!	6294LA	JN-MN	416339
62656	VIC	415035*	62714	VIC	416865!	62789	AM WH	471750!	6294LA	JN-MN	455031!
62656	VIC	415035!	62714H	IH	473473	62790	AM WH	455136	6295LA	JN-MN	415036*
62657	VIC	415035!	62715	VIC	416865!	62793	VIC	416339	62960	VIC	471750!
62657	VIC	415035!	62718	C-P	472560N!	62794BX	OSHKO	416624!	6296LA	JN-MN	410737!
62657M	VIC	415035	62720	VIC	417262!	62796	VIC	416476!	629733	ALLCH	411178=
62657M	VIC	415035!	627209	CHRY	450273	627981	SPERY	1049	6298216	B-L-H	471231!
62658	VIC	415035*	62721	VIC	417262!	627D-198	BENDI	473240!	6298416	B-L-H	471281!
62659	VIC	415035	62722	VIC	417262!	6280	C-R	471264!	6298LA	JN-MN	473463
62660	VIC	417356!	62723	VIC	417262!	628009XX	TIMKE	62X80X9	62D48	CYCLO	471413!
62661	VIC	417356!	62724	VIC	417358	628010XX	TIMKE	62X80X10	62E365	CUSH	470625!
62662	VIC	417356!	62725	VIC	417358	62804	VIC	415498	62E446	CUSH	471571
62663	VIC	417356!	62726	VIC	417358	62806	VIC	415035	62E456	CUSH	471766!
62664	VIC	417357	62727	VIC	417358	62806	VIC	415035!	62GT-1	TROS	9015S
62665	VIC	417357	62728	VIC	415645!	62808	VIC	417247!	62GT-2	TROS	9015S
62665A	VIC	456946N=	6273	WOODB	470059	62809	VIC	417350=	62X10007XX	TIMKE	62X100X7
62666	VIC	417357	6273	WOODB	470380!	62813	VIC	417365	62X1048	GARLK	472572!
62667	VIC	417357	627315C1	IH	JV1517=	62815	VIC	410825	62X1050	GARLK	472572!
62668	AM WH	418028	627316C1	IH	200919=	62825	VIC	471785!	62X1057	GARLK	473238
62668	AM WH	455137!	627316C41	IH	200919=	62827	VIC	471795	62X1069	GARLK	473240!
62668	VIC	416130!	62732	VIC	417359	628274	ALLCH	411452=	62X1075	GARLK	473458!
62669	VIC	416130!	62733	VIC	417359	62831	VIC	332134	62X111	GARLK	471538!
62670	VIC	416130!	62734	VIC	417359	62833	VIC	415960!	62X1114	GARLK	472319
62671	VIC	416130!	62735	VIC	417359	628357	ALLCH	415991	62X1129	GARLK	472144!
62672	VIC	416556!	62736	VIC	417254	628357	ALLCH	415991!	62X113	GARLK	471553!
62672	VIC	472157	62737	VIC	417254	6283576	ALLCH	415991!	62X1135	GARLK	472394
62673	VIC	416556!	62738	VIC	417254	6283576	ALLCH	415991	62X1150	GARLK	450472!
62673	VIC	472157	62739	VIC	417254	62836R1	IH	473463	62X1162	GARLK	450474
62674	VIC	416556!	6273946	GMC	722109	62837R11	IH	473463	62X1186	GARLK	471870!
62674	VIC	472157	6273948	GMC	471271!	62837R91	IH	473463	62X1189	GARLK	472492!
62675	VIC	416556!	6273949	GMC	416273	62839	VIC	471413!	62X1191	GARLK	472492!
62675	VIC	472157	6273977	GMC	5131	6283S	TIMKE	6283S	62X1201	GARLK	470530!
62677	VIC	415196!	62740	VIC	417360	62840	VIC	471652	62X1204	GARLK	472397!
62677M	VIC	415196!	62741	VIC	417360	62841	VIC	471763	62X1206	GARLK	472397!
62680	VIC	416891!	62742	VIC	417360	62842	VIC	471689!	62X1323	GARLK	470898
626800	MICH	416229	62743	VIC	417360	628485	ALLCH	415302	62X1329	GARLK	472015!
62681	VIC	416891!	62744	VIC	416107!	628508XX	TIMKE	62X85X8	62X1332	GARLK	410308!
62682	VIC	416891!	62745	VIC	416107!	62851	VIC	473237!	62X1340	GARLK	472409!
62683	VIC	416891!	62746	VIC	416107!	62855	VIC	474276!	62X1402	GARLK	472018
62684	VIC	416135!	62747	VIC	416107!	62860	VIC	415295	62X144	GARLK	471567!
62685	VIC	416135!	62748	VIC	417361	62863	VIC	J1825	62X147	GARLK	471643!
62686	VIC	416135!	62749	VIC	417361	62864	VIC	3813	62X1471	GARLK	471341!
62687	VIC	416135!	62750	VIC	417361	62868	VIC	470605!	62X1473	GARLK	471341!
6268SH	JN-MN	254270	62751	VIC	417361	62872	VIC	410987!	62X1476	GARLK	471272!
6268SS	JN-MN	343185	62752	VIC	417362!	628823	ALLCH	472636!	62X148	GARLK	471643!
62692	VIC	416153!	62753	VIC	417362!	628837	UNIVE	455584	62X1494	GARLK	472636!
6269204	GM	17760	62754	VIC	417362!	628838	MICH	455584	62X1504	GARLK	411376!
62693	VIC	416153!	62755	VIC	417362!	62885D	IH	417316!	62X1505	GARLK	411376!
62694	VIC	416153!	62756	VIC	417363	62885M1	VIC	.2628!	62X159	GARLK	481443!
62695	VIC	416153!	62757	VIC	417363	62886D	IH	415025	62X1642	GARLK	470565!
62696	VIC	416892!	62758	VIC	417363	628894	ALLCH	415379	62X1644	GARLK	470565!
6269688	GM	17720	62759	VIC	417363	628940	ALLCH	476470!	62X1654	GARLK	413246
62697	VIC	416892!	62760	VIC	416666	628940	ALLCH	476470	62X1656	GARLK	413246

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
62X1658	GARLK	62X2759	GARLK	62X546	GARLK	630196C91 IH	
62X1668	GARLK	62X2807	GARLK	62X548	GARLK	6301LA JN-MN	
62X1680	GARLK	62X2837	GARLK	62X555	GARLK	630226 WILYS	
62X175	GARLK	62X287	GARLK	62X550	GARLK	63023J+65262W TRISL	
62X1750	GARLK	62X288	GARLK	62X550	GARLK	63023J+65262W TRISL	
62X1752	GARLK	62X291	GARLK	62X551	GARLK	63025 VIC	
62X1807	GARLK	62X2915	GARLK	62X551	GARLK	63026J+65084W TRISL	
62X1819	GARLK	62X2921	GARLK	62X552	GARLK	63026J+65285W TRISL	
62X1821	GARLK	62X2922	GARLK	62X552	GARLK	63028J+65287W TRISL	
62X1882	GARLK	62X2927	GARLK	62X592	GARLK	63028J+65297W TRISL	
62X1939	GARLK	62X293	GARLK	62X597	GARLK	63030 VIC	
62X1948	GARLK	62X3059	GARLK	62X624	GARLK	63031 VIC	
62X1993	GARLK	62X3067	GARLK	62X643	GARLK	63032 VIC	
62X2004	GARLK	62X3067	GARLK	62X644	GARLK	630327 ALLCH	
62X2032	GARLK	62X3184	GARLK	62X645	GARLK	63033 VIC	
62X2035	GARLK	62X3184	GARLK	62X646	GARLK	630334C91 IH	
62X2038	GARLK	62X323	GARLK	62X646	GARLK	630335C91 IH	
62X2044	GARLK	62X3277	GARLK	62X648	GARLK	63034 VIC	
62X2045	GARLK	62X3278	GARLK	62X648	GARLK	63034J+65291W TRISL	
62X2046	GARLK	62X3279	GARLK	62X655	GARLK	63035 VIC	
62X2047	GARLK	62X3280	GARLK	62X657	GARLK	63036 VIC	
62X2048	GARLK	62X3281	GARLK	62X664	GARLK	63036J+65263W TRISL	
62X2049	GARLK	62X3282	GARLK	62X700	GARLK	63036J+65263W TRISL	
62X2086	GARLK	62X3283	GARLK	62X707	GARLK	63037 VIC	
62X2088	GARLK	62X3355	GARLK	62X717	GARLK	63037J+65092W TRISL	
62X2115	GARLK	62X3367	GARLK	62X760	GARLK	63037J+65092W TRISL	
62X2124	GARLK	62X3384	GARLK	62X762	GARLK	63037J+65298W TRISL	
62X213	GARLK	62X3426	GARLK	62X769	GARLK	63037J+65298W TRISL	
62X215	GARLK	62X351	GARLK	62X77	GARLK	63040 VIC	
62X216	GARLK	62X3518	GARLK	62X772	GARLK	63041 VIC	
62X2168	GARLK	62X353	GARLK	62X774	GARLK	63042 VIC	
62X2170	GARLK	62X3544	GARLK	62X80	GARLK	63043 VIC	
62X2172	GARLK	62X3601	GARLK	62X80X10SC TRSCM	62X80X10	63044 VIC	
62X2174	GARLK	62X3610	GARLK	62X80X10TC TRSCM	62X80X10	63045 VIC	
62X2174	GARLK	62X362	GARLK	62X80X9ASN ISP	62X80X9	63046 VIC	
62X2177	GARLK	62X3624	GARLK	62X829	GARLK	6305 TMTR	
62X2180	GARLK	62X3660	GARLK	62X835	GARLK	63050 VIC	
62X2180	GARLK	62X3673	GARLK	62X837	GARLK	63051 VIC	
62X2183	GARLK	62X37	GARLK	62X843	GARLK	63052 VIC	
62X2186	GARLK	62X37	GARLK	62X859	GARLK	63053 VIC	
62X219	GARLK	62X38	GARLK	62X85X8/10TAY TRSCM	226285	63053J+65261W TRISL	
62X2198	GARLK	62X38	GARLK	62X85X8SC TRSCM	62X85X8!	63053J+65261W TRISL	
62X2225	GARLK	62X383	GARLK	62X85X8TC TRSCM	62X85X8!	63053J+65261W TRISL	
62X2237	GARLK	62X385	GARLK	62X87	GARLK	63055 VIC	
62X224	GARLK	62X3869	GARLK	62X898	GARLK	63057 VIC	
62X2270	GARLK	62X387	GARLK	62X904	GARLK	63058 VIC	
62X2273	GARLK	62X388	GARLK	62X906	GARLK	63060 VIC	
62X2327	GARLK	62X390	GARLK	62X907	GARLK	63062 VIC	
62X2348	GARLK	62X3921	GARLK	62X909	GARLK	630621C1 IH	
62X2366	GARLK	62X3938	GARLK	62X90X10SC TRSCM	62X90X10	63062J+65011W TRISL	
62X2366	GARLK	62X3949	GARLK	62X90X10TC TRSCM	62X90X10	63063J+65011W TRISL	
62X2367	GARLK	62X3954	GARLK	62X91	GARLK	63063J+65073W TRISL	
62X2367	GARLK	62X4031	GARLK	62X913	GARLK	63066 VIC	
62X2369	GARLK	62X4062	GARLK	62X928	GARLK	63067 VIC	
62X2372	GARLK	62X424	GARLK	62X9808	GARLK	630680 FWD	
62X2393	GARLK	62X425	GARLK	63 AU-WS		630680 WILYS	
62X2417	GARLK	62X427	GARLK	63 BL-KN		63071 VIC	
62X2421	GARLK	62X430	GARLK	63 WGEAR		630724 WILYS	
62X2462	GARLK	62X439	GARLK	63-0001 MCCOR		63074 VIC	
62X2462	GARLK	62X439	GARLK	63-463-1 DANA		63076 VIC	
62X2501	GARLK	62X441	GARLK	63006 VIC		63077 VIC	
62X2504	GARLK	62X441	GARLK	63008J+65055W TRISL		63079 VIC	
62X2519	GARLK	62X4503	GARLK	63009J+65000W TRISL		63079J+65283W TRISL	
62X2519	GARLK	62X4507	GARLK	63010J+65073W TRISL		6308 C-R	
62X2537	GARLK	62X4560	GARLK	63013 VIC		63083J+65287W TRISL	
62X2600	GARLK	62X484	GARLK	63013J+65261W TRISL		63084 VIC	
62X2636	GARLK	62X484	GARLK	63013J+65261W TRISL		63085 VIC	
62X2663	GARLK	62X50	GARLK	63013J+65261W TRISL		63086 CLARK	
62X270	GARLK	62X5246	GARLK	63014J+65277W TRISL		63086 WAUKE	
62X2711	GARLK	62X535	GARLK	63016 VIC		63088J+65071W TRISL	
62X2723	GARLK	62X543	GARLK	63018 VIC		63089 VIC	
62X2753	GARLK	62X544	GARLK	63018J+65054W TRISL		63089 VIC	

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
630895C1 IH	456967N=		63169 VIC		343186	63260S TROS		8429S	633630 ALLCH		473464!
630895C1 IH	456967V!		63170 VIC		240356	632611 ALLCH		416287N=	633630 ALLCH		473464
63090 VIC	350156		63171 VIC		240435	63261S TROS		8549S	63364 VIC		411394!
63090 VIC	473096		631713R91 IH		417079	63264 VIC		471538!	63365 VIC		410825
6309007 HERCU	450593!		63173 VIC		342517	6326594A HERCU		417205!	63366 VIC		410496!
6309007A HERCU	450593!		63174 VIC		357302	63267 VIC		240816	63366A OSHKO		415234!
63091J+65052W TRISL	370023A		63174 VIC		415991	6326964A HERCU		471646!	63367 VIC		415449!
63091J+65052W TRISL	380023A		63177 VIC		417621!	6326LA JN-MN		411253!	6336LA JN-MN		472636!
63093J+65000W TRISL	370124A		6318 C-R		471264	6327 SPG		493291	6336LUP JN-MN		472636!
63093J+65078W TRISL	370131A		63181 VIC		455194	63270 VIC		471267!	6336S TIMKE		6336S
63093J+65078W TRISL	380131A		63183 MICH		450457	6327026A HERCU		471442!	63372 VIC		417343!
6309745 HERCU	471554!		63184 VIC		471267!	63272 VIC		471270!	63374 VIC		417350!
6309745A HERCU	471554!		63185 VIC		312518!	63274 VIC		471354!	63377 VIC		456105 *
63098 VIC	343098		63185 VIC		342518	63278 VIC		471766!	63378 VIC		476470
630999 WILYS	473367		631850 CONTI		471766!	6327LA JN-MN		471796!*	6338 C-R		471255!
630999 WILYS	473367!		6318500 HERCU		415437	6328 SPG		3210	6338 VIC		471255!
6309SS JN-MN	471354!*		6318500A HERCU		415437	63280 VIC		343115	63380 VIC		455024
6310 HYST	415001!		63186 VIC		410308!	63281 VIC		6370N	63381 VIC		417191
63100 VIC	473234!		63187 VIC		6906S*	63282 VIC		473435	63381 VIC		456585
63101 TROS	8974S		63189 VIC		322353	63284 VIC		471192	63382 VIC		415991
63102 TROS	8975S		63189 VIC		474278!	63286 VIC		450776!*	63382 VIC		455146!
63102 VIC	340850		63193 VIC		43109S	63287 VIC		473197	63383 VIC		345146
63103 VIC	471766!		63195 VIC		6370N*	63288 VIC		6760S	63384 VIC		415937!
63104 VIC	253099		63196 VIC		6636S	6328SS JN-MN		470806*	63386 VIC		415379!
63106 VIC	330385		63198 VIC		417355!	63290 VIC		3395!	63386 VIC		415379
63107 VIC	412119!*		63198 VIC		485497	63290 VIC		352444	63387 VIC		415379
63109 VIC	416282		63199 VIC		327303!	63292 VIC		6966S*	63387 VIC		415379!
6310SH JN-MN	40286		631993R91 IH		417079	63296 VIC		6759S	63388 VIC		416339
6311 C-R	471264!		631HA516 C-R		6872S	63298 VIC		470625!	63388 VIC		455031!
631103C1 IH	471267		631HA516-L C-R		5471	63299 VIC		470059	6339 C-R		471255!
63111 VIC	416288		631W52-L C-R		7376=	63299 VIC		470380!	6339 SPG		450776!
63112 VIC	417316!		63201D IH		416163	6329LA JN-MN		474253	63391 VIC		416345!
63113 VIC	472439*		63201S TROS		8477S	6329S TIMKE		415284	63391 VIC		455033
63114 VIC	410825		63202 TROS		9195S=	633 C-R		5M497	63392 VIC		415035
63115 VIC	80313		63202 VIC		7600S	63301S TROS		9178S	63392 VIC		415035!
63116 VIC	200600		63203 VIC		472409!	63302 VIC		9613S	63395 VIC		415064 *
6311837 H-S	50010		6320331A HERCU		471137	63303 VIC		470380!	63396 VIC		415725!
6311837 HERCU	50010		632033R91 IH		471831!	63303 VIC		472189A	634 CARVR		471766!
6312 C-R	471264!		63203S TROS		473228	63304 VIC		471344*	634005 ALLCH		471765!
6312 TIMKE	6312		63209 VIC		472179	6330LA JN-MN		471733	634006 ALLCH		450930=
63122 VIC	343185		63213 VIC		343104	6330LPD JN-MN		471733	63401S TROS		8460N
63123 VIC	312518!		63215 VIC		471529	63310 VIC		204017	634037 ALLCH		417344!
63123 VIC	342518		6321593 HERCU		471255!	633103C91 IH		5276*=	6340376 ALLCH		417344!
6313046 H-S	471553!		6321606A HERCU		350156	63313 VIC		473235!*	6340S SPG		472258
6313046 HERCU	471553!		6321606A HERCU		473096	63314 VIC		473234!*	63412 VIC		40185
631305R91 IH	417079		63226 VIC		415001!	63316 VIC		6840S	63413 VIC		470565!
631319C91 IH	5175*=		6323 C-R		471264	63319 VIC		471504	63415 VIC		415085!
63132 VIC	343101		63231 VIC		347304	63321 VIC		6489*	63415 VIC		456648
631324C1 IH	JV829=		63232 VIC		330385!	63325 VIC		323119	63419 VIC		6336S
63139 VIC	481443!		63237 VIC		345035	63333 VIC		471141!	63420 VIC		415995!
63140 VIC	355669		6324 C-R		471264!	63337 VIC		6781*	63420 VIC		415995
63142 VIC	472560N		63240 TROS		484058	63338 VIC		473450!	634264C1 IH		473205!
63145 VIC	350936		63241S TROS		8597S	63339 VIC		6547*	63427 VIC		416624!
63148 VIC	351487		63243 VIC		471264!	63342 VIC		353120	63429 VIC		472015!
6315 C-R	471264		6324394A HERCU		471649!	633433R91 IH		471831!	63431C1 IH		450048
63150 VIC	240733		63246 VIC		327215	63344 VIC		6815	63433 VIC		473224
63156 VIC	343104		63246 VIC		415035	633444R91 IH		471831!	63435 VIC		471829
63157 VIC	342805		63247 VIC		470530!	633446R91 IH		290070=	63436 VIC		473234!
63158 VIC	340847		6324867A HERCU		350909	633446R91 IH		472185!	6344 C-R		240023*
63159 VIC	343105!		6324867A HERCU		471224!	633447R91 IH		472311!	63448 VIC		472324!
63159 VIC	7399S		6325 C-R		471264!	63345 VIC		471195!	634519 ALLCH		417269!
6316 C-R	471264!		63250010 TROS		417541	63347 VIC		473459*	63456 VIC		342613!
63160 VIC	340849		63251610 TROS		417547	63349 VIC		472144!	63457 VIC		343123
63160S TROS	8430S		63252410 TROS		455576!	63350 VIC		40094S	63459 VIC		472397!
63161 VIC	340387		63253210 TROS		417254	63351 VIC		472492!	634631 SPICE		417484
63162 VIC	340826		632532X18 TROS		417254	63354 VIC		470898!	6346A C-R		410708
63163 VIC	470954!		63258 VIC		340724!	63356 VIC		410308*	63470 VIC		473231!
63165 VIC	240731		632589 ALLCH		J1044=	63358 VIC		40097S	634703 ALLCH		417344!
63166 VIC	340835		63259 VIC		471466!	63360 VIC		410737!*	63472 VIC		473367!
6316675 H-S	481644		6325LA JN-MN		416865!	63361 VIC		472636!	634723R91 IH		472144!
6316675A HERCU	481644		6325LUP JN-MN		416865!	63362 VIC		411253!	63476 VIC		417350 *=
63167 VIC	472560N*		632608 ALLCH		471413	63363 VIC		5921*	6348 C-R		471255!

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63487	VIC	311189*	6362SS	JN-MN	330385!	63751	C-R	417563	63X0101	GARLK	481073
6349	C-R	471255!	6363	C-R	240023*	63753	WAUKE	471567!	63X0102	GARLK	481073
63491	VIC	481644	636415R91	IH	352541	63757	AM WH	473444	63X0105	GARLK	481397
63499	VIC	470380!	63642	VIC	473179	6376	C-R	471255!	63X0106	GARLK	481397
63500	VIC	472397!	636423R91	IH	5588=	6377	C-R	471255!	63X0335	GARLK	473420
63503	VIC	455079!	636423R92	IH	5588=	637790	WILYS	5585\$	63X0541	GARLK	471192
63503S	TROS	332062	63647	VIC	7840S	63780	C-R	417563	63X0547	GARLK	473215!
63504	VIC	415088	636529	CONTI	471688	63785	C-R	417563	63X0643	GARLK	470625
63506	VIC	455858	636628R91	IH	471529	6379	C-R	471255	63X1003	GARLK	451993=
63507	VIC	476842	636635B	BENDI	473214!	63793C91	IH	470088	63X1005	GARLK	451993=
63508	VIC	7235S	636636B	BENDI	471801!	6380	C-R	471255!	63X1006	GARLK	473451!*
63517	VIC	340827	636717B	BENDI	472179	6380	VIC	471255!	63X1012	GARLK	473452
63518	VIC	323125	636859B	BENDI	474255	6380S	TIMKE	6380	63X1021	GARLK	473453
63518	VIC	450456!	6369SS	JN-MN	323138!	6381	C-R	450557	63X1023	GARLK	473453*
63519	VIC	471516!	6370	C-R	240023	6381	C-R	471255!	63X1042	GARLK	472439*
6352	SEAMA	470059=	63700	C-R	55692=	638137	CONTI	481568!	63X1043	GARLK	472439*
6352	SEAMA	470380!	63701	TROS	5337	6381LA	JN-MN	415394	63X1044	GARLK	472439
63527	VIC	417597	63702S	TROS	415284	638223	CATER	7512S=	63X1045	GARLK	471868
63536	VIC	473016!	637088	WHITE	415302	638223	GERL	7512S=	63X1047	GARLK	471868
63541	VIC	472287!	6370N	TIMKE	6370N	63825	C-R	162X200X15*	63X1048	GARLK	472572!
63543	VIC	470487!	6371	NATL	414268	6383	C-R	471255	63X1050	GARLK	472572!
63544	VIC	323126	63710	C-R	55692=	638336	ALLCH	473473	63X1051	GARLK	473179!
63544	VIC	474278!	63712	VIC	471442!	6384	C-R	471564*	63X1052	GARLK	473179!
63546	VIC	473234!	6372	C-R	471255!	638416	C-R	417532	63X1053	GARLK	473179!
63550	VIC	470625!	63722	C-R	55242	638422	C-R	417537	63X1054	GARLK	414045!*
63550	VIC	5115	637237	WILYS	5585\$	638430	C-R	417540	63X1057	GARLK	473238
63557	AM WH	415001!	6373	C-R	471255!	638510A	HARWA	63X85X10	63X1058	GARLK	473238
63557	VIC	417316!	6373	SPG	470774!	638510XX	TIMKE	63X85X10	63X1059	GARLK	473238!
635571R91	IH	472185!	63733	C-R	417563	638512	C-R	417551	63X1060	GARLK	450084!
6356	C-R	471255!	63734	C-R	417563*	63852	C-R	455290	63X1062	GARLK	450084!
63560S	TROS	473445	63735	VIC	415035	63854	AM HO	417546!	63X1063	GARLK	473239
63561S	TROS	471413!	63737	VIC	456946N=	63854	C-R	417546!	63X1065	GARLK	473239
63565	VIC	470380!	63738	VIC	417357	63854	MINMA	417546!	63X1066	GARLK	473457!*
63567	AM WH	416476!	6374	C-R	471255!	63854M1	C-R	417546!	63X1069	GARLK	473240!*
63567	VIC	473197	63740C1	IH	473426	638573F1	GARLK	415001!	63X1071	GARLK	473240!
6357	C-R	471255!	637462C1	IH	410708	638586	WILYS	450415	63X1075	GARLK	473458!*
63571	VIC	470605!	637467B	BENDI	473236!	6385R	JN-MN	417780*	63X1076	GARLK	473458!
63573	WAUKE	481568!	637470	BENDI	471570!	6386	C-R	471564	63X1078	GARLK	472439*
635778	ALLCH	415995!	637471	BENDI	476838	638607	ALLCH	415458!	63X1081	GARLK	471868*
6357S	TIMKE	6357S	637473	BENDI	471750!	63876PM	VIC	415027	63X1084	GARLK	472572!
6358	TIMKE	6358	637474B	BENDI	473212!	6388	SPG	6489	63X109	GARLK	471529
63580	VIC	471763	637475	BENDI	473215!	6388SS	JN-MN	472705!*	63X1090	GARLK	414045!*
63584	VIC	472636!	637476	BENDI	470059	638W54	C-R	417546!	63X110	GARLK	471529
63584C1	IH	471795	637476	BENDI	470380!	639010A	HARWA	63X90X10	63X1105	GARLK	473240!*
63588	VIC	470328	637477	BENDI	473228	639010XX	TIMKE	63X90X10	63X111	GARLK	471538!*
63588	VIC	481213!	637479	BENDI	50075=	639095	WILYS	340413	63X1114	GARLK	472319
63592	VIC	415351!	637480	BENDI	472185!	63910	EATON	415458	63X1116	GARLK	472319
63594	VIC	415697!	637481	BENDI	470334!	639265	WILYS	5778	63X1117	GARLK	473459
636-X1510	OLIVE	411253!	637482	BENDI	470088	6394	C-R	471653!	63X1119	GARLK	473459
636-X1512	OLIVE	450400	637483	BENDI	473462	63941	EATON	415259!	63X112	GARLK	471538!
636-X1514	OLIVE	450326	637484	BENDI	470530!	639422	C-R	417537	63X1120	GARLK	473241
636-X1516	OLIVE	473467!	637485	BENDI	413469!	639433	WILYS	471827	63X1122	GARLK	473241
63601	VIC	7412S	637486	BENDI	411253!	6395	C-R	471653!	63X1129	GARLK	472144!
63601S	TROS	8804S=	637487	BENDI	415001!	63954	VIC	410825	63X113	GARLK	471553!
63602S	TROS	472082	637488	BENDI	417316!	63961	TROS	472951	63X1130	GARLK	472144!
63603	VIC	472705!	637489	BENDI	415960!	63961	TROS	474252	63X1131	GARLK	472144!*
6361	FULLE	417191	637490	BENDI	416921!	639635	CLARK	40316S	63X1132	GARLK	473460
6361	FULLE	455165!	637491	BENDI	415995!	63968	VIC	456946N=	63X1134	GARLK	473460
63612	VIC	472144!	637492	BENDI	415021	639837	CHRY	474278!	63X1135	GARLK	472394*
636139	WILYS	471787	637493	BENDI	415023	63986	AM WH	471141!	63X1137	GARLK	472394
63615	VIC	471529	637494	BENDI	415027	63C1-2S	TROS	8597S	63X1138	GARLK	473461!*
6362	NATL	473235	637494	BENDI	415027!	63CDP-2	TROS	484058	63X1139	GARLK	473461!*
6362	SPG	473235	637495	BENDI	416339	63GB-2S	TROS	473228	63X114	GARLK	471553!
63620	VIC	415995!	637495	BENDI	455031!	63GC-4S	TROS	8460N	63X1141	GARLK	471391!*
63620	VIC	415995	637496	BENDI	415045!	63GO-8S	TROS	472082	63X1142	GARLK	471391!*
63621	VIC	472324!	637497	BENDI	415284	63GP-8S	TROS	332062	63X1143	GARLK	471391!
63622	VIC	471764!	637498	BENDI	417273	63GT-2	TROS	9015S	63X1147	GARLK	473462
63622	VIC	471764*	637499	BENDI	416107!	63R-2S	TROS	8429S	63X1148	GARLK	473462
63624	VIC	470682	637499	BENDI	455073	63RA-2S	TROS	8549S	63X1149	GARLK	473462
63625	VIC	471138!	6375	C-R	471255!	63S-7S	TROS	473445	63X115	GARLK	471579
63625	VIC	472164!	63750	C-R	417563	63W-1S	TROS	8430S	63X1150	GARLK	450472!*
636288	ALLCH	415023	637500	BENDI	450039	63X0005	GARLK	350364	63X1153	GARLK	473241

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
63X1154	GARLK	473241*	63X1324	GARLK	473467	63X1480	GARLK	471138!	63X1658	GARLK	412119!
63X116	GARLK	471579*	63X1326	GARLK	473467	63X1481	GARLK	471138!	63X1659	GARLK	412119!
63X1162	GARLK	450474*	63X1327	GARLK	472015!	63X1482	GARLK	471138!	63X166	GARLK	481644*
63X1165	GARLK	50528*	63X1328	GARLK	472015!	63X1486	GARLK	410737!	63X1660	GARLK	413247!
63X1166	GARLK	50528*	63X1329	GARLK	472015!	63X149	GARLK	471684!	63X1661	GARLK	413247!
63X1167	GARLK	50528	63X1330	GARLK	410308!	63X1492	GARLK	472636!	63X1662	GARLK	413247!
63X1171	GARLK	473461!*	63X1331	GARLK	410308!	63X1493	GARLK	472636!	63X1663	GARLK	410987!
63X1174	GARLK	471391!*	63X1332	GARLK	410308!	63X1494	GARLK	472636!	63X1666	GARLK	416271!*
63X1180	GARLK	473462	63X1333	GARLK	472016*	63X1495	GARLK	411253!	63X1668	GARLK	416271!
63X1186	GARLK	471870!	63X1334	GARLK	472016	63X1496	GARLK	411253!	63X1669	GARLK	412861
63X1187	GARLK	471870!	63X1335	GARLK	472016	63X1497	GARLK	411253!	63X167	GARLK	471337
63X1188	GARLK	471870!	63X1339	GARLK	472409!	63X1498	GARLK	412920!	63X1671	GARLK	412861
63X1189	GARLK	472492!	63X1341	GARLK	472409!	63X1499	GARLK	412920!	63X1672	GARLK	410825
63X119	GARLK	471642	63X1345	GARLK	473243	63X15	GARLK	350156	63X1675	GARLK	416071*
63X1190	GARLK	472492!	63X1346	GARLK	473243	63X15	GARLK	473096	63X1677	GARLK	416071
63X1191	GARLK	472492!	63X1347	GARLK	473243	63X150	GARLK	471684!	63X1678	GARLK	417480!
63X1198	GARLK	472924!	63X1348	GARLK	413469!*	63X1500	GARLK	412920!	63X1679	GARLK	417480!
63X1199	GARLK	472924!	63X1349	GARLK	413469!*	63X1501	GARLK	455136*	63X1680	GARLK	417480!
63X1200	GARLK	472924!	63X1350	GARLK	413469!*	63X1504	GARLK	411376!	63X1687	GARLK	473475*
63X1201	GARLK	470530!	63X1357	GARLK	416267!*	63X1505	GARLK	411376!	63X169	GARLK	474273
63X1203	GARLK	470530!	63X1359	GARLK	416267!	63X1506	GARLK	411376!	63X1693	GARLK	413246
63X1204	GARLK	472397!	63X1363	GARLK	473467	63X1507	GARLK	472299*	63X1696	GARLK	412119!
63X1205	GARLK	472397!	63X1365	GARLK	473467	63X151	GARLK	450033*	63X1699	GARLK	413247!
63X1206	GARLK	472397!	63X1369	GARLK	410308!	63X1510	GARLK	471272!	63X17	GARLK	471103!
63X1207	GARLK	473463*	63X1372	GARLK	472016*	63X152	GARLK	450033	63X1705	GARLK	416271!*
63X1209	GARLK	473463	63X1378	GARLK	450621*	63X1522	GARLK	410737!	63X171	GARLK	451739=
63X121	GARLK	470506!	63X1384	GARLK	450869*	63X1528	GARLK	470645*	63X1714	GARLK	416071*
63X1210	GARLK	473242*	63X1385	GARLK	450869*	63X153	GARLK	470390*	63X172	GARLK	451739=
63X1212	GARLK	473242	63X1396	GARLK	416267!*	63X1531	GARLK	411253!	63X1723	GARLK	471887
63X1216	GARLK	473464!	63X1398	GARLK	416267!	63X1534	GARLK	412920!	63X1725	GARLK	471887
63X1216	GARLK	473464	63X1399	GARLK	473244	63X1537	GARLK	455136*	63X1735	GARLK	412040*
63X1217	GARLK	473464	63X14	GARLK	330385!	63X1540	GARLK	411376!	63X1737	GARLK	412040
63X1217	GARLK	473464!	63X1400	GARLK	473244	63X1546	GARLK	415234!*	63X1738	GARLK	411500*
63X1218	GARLK	473464	63X1401	GARLK	473244	63X1549	GARLK	415259!*	63X1740	GARLK	411500*
63X1218	GARLK	473464!	63X1402	GARLK	472018	63X155	GARLK	473407*	63X1741	GARLK	413478*
63X1222	GARLK	472924!	63X1403	GARLK	472018	63X156	GARLK	473407	63X1742	GARLK	413478*
63X1225	GARLK	470530!	63X1404	GARLK	472018*	63X1561	GARLK	472150*	63X1743	GARLK	413478*
63X1228	GARLK	472397!	63X1405	GARLK	473471*	63X1563	GARLK	472150	63X1744	GARLK	450104*
63X1231	GARLK	473463*	63X1406	GARLK	473471	63X157	GARLK	470601	63X1745	GARLK	450104*
63X124	GARLK	50026*	63X1407	GARLK	473471	63X1573	GARLK	411394!	63X1746	GARLK	450104
63X1240	GARLK	473464!	63X1408	GARLK	472020*	63X1575	GARLK	411394!	63X1747	GARLK	411245!
63X1240	GARLK	473464	63X1410	GARLK	472020*	63X1576	GARLK	410694!*	63X1749	GARLK	411245!
63X1246	GARLK	412027*	63X1414	GARLK	470354*	63X1578	GARLK	410694!*	63X175	GARLK	471539!
63X1252	GARLK	451948	63X1415	GARLK	470354	63X1579	GARLK	450133*	63X1750	GARLK	417073*
63X1253	GARLK	451948	63X1416	GARLK	470354*	63X158	GARLK	470601	63X1751	GARLK	417073*
63X1254	GARLK	451948*	63X142	GARLK	471554!	63X1581	GARLK	450133*	63X1752	GARLK	417073
63X1255	GARLK	473466	63X1420	GARLK	473245!*	63X1585	GARLK	416444*	63X176	GARLK	471539!
63X1258	GARLK	472012	63X1422	GARLK	471504!	63X1587	GARLK	416444	63X177	GARLK	471231!
63X1260	GARLK	472012	63X1423	GARLK	412943*	63X1588	GARLK	455647=	63X1771	GARLK	412040*
63X1261	GARLK	450307*	63X1425	GARLK	412943*	63X159	GARLK	481443!	63X1774	GARLK	50560*
63X1263	GARLK	450307	63X1426	GARLK	413472	63X1594	GARLK	455321*	63X1775	GARLK	50560
63X1264	GARLK	450311*	63X1428	GARLK	413472	63X1596	GARLK	455321	63X178	GARLK	471231!
63X1266	GARLK	450311	63X143	GARLK	471567!	63X16	GARLK	350156	63X1780	GARLK	450104*
63X1270	GARLK	416738!	63X1432	GARLK	416268	63X16	GARLK	473096	63X1783	GARLK	411245!
63X1270	GARLK	450096	63X1434	GARLK	416268	63X160	GARLK	481443!*	63X179	GARLK	474253
63X1276	GARLK	450313	63X1435	GARLK	472234*	63X1600	GARLK	472150*	63X18	GARLK	471103!
63X1278	GARLK	450313	63X1438	GARLK	472018*	63X1602	GARLK	472150	63X180	GARLK	474253
63X1279	GARLK	450532	63X144	GARLK	471567!	63X161	GARLK	481568!	63X1801	GARLK	472029
63X1282	GARLK	451948*	63X1441	GARLK	473471*	63X1612	GARLK	411394!	63X1802	GARLK	472029*
63X1285	GARLK	473466*	63X1444	GARLK	472020*	63X162	GARLK	481443!	63X1803	GARLK	472029*
63X1288	GARLK	472012*	63X145	GARLK	471498*	63X1633	GARLK	455321*	63X1804	GARLK	410752
63X1291	GARLK	450307*	63X1450	GARLK	470354*	63X1639	GARLK	473474*	63X1806	GARLK	410752
63X1294	GARLK	450311*	63X1459	GARLK	50631*	63X1641	GARLK	473474	63X1807	GARLK	471271!
63X13	GARLK	330385!	63X146	GARLK	471498	63X1642	GARLK	470565!	63X1808	GARLK	471271!
63X1300	GARLK	416738!	63X147	GARLK	471643!	63X1644	GARLK	470565!	63X1809	GARLK	471271!
63X1300	GARLK	450096	63X1471	GARLK	471341!	63X1648	GARLK	473475*	63X181	GARLK	450588*
63X1306	GARLK	450313*	63X1473	GARLK	471341!	63X165	GARLK	481644	63X181	GARLK	450588*
63X1309	GARLK	450532*	63X1474	GARLK	471272!	63X1650	GARLK	473475*	63X1810	GARLK	410496!
63X1312	GARLK	450343*	63X1475	GARLK	471272!	63X1654	GARLK	413246	63X1812	GARLK	410496!
63X1321	GARLK	470898	63X1476	GARLK	471272!	63X1655	GARLK	413246	63X1813	GARLK	470605!*
63X1322	GARLK	470898	63X1477	GARLK	473473*	63X1656	GARLK	413246	63X1815	GARLK	470605!*
63X1323	GARLK	470898	63X1479	GARLK	473473	63X1657	GARLK	412119!	63X1819	GARLK	415449!

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
63X1820	GARLK	63X1993	GARLK	63X215	GARLK	63X279	GARLK
63X1821	GARLK	63X1994	GARLK	63X2150	GARLK	63X285	GARLK
63X1822	GARLK	63X2002	GARLK	63X2151	GARLK	63X286	GARLK
63X1823	GARLK	63X2003	GARLK	63X2152	GARLK	63X287	GARLK
63X1824	GARLK	63X2004	GARLK	63X2153	GARLK	63X288	GARLK
63X1825	GARLK	63X2005	GARLK	63X2154	GARLK	63X289	GARLK
63X1826	GARLK	63X2006	GARLK	63X2155	GARLK	63X290	GARLK
63X1827	GARLK	63X2007	GARLK	63X2157	GARLK	63X291	GARLK
63X1828	GARLK	63X2014	GARLK	63X216	GARLK	63X292	GARLK
63X183	GARLK	63X2023	GARLK	63X2160	GARLK	63X293	GARLK
63X1830	GARLK	63X2025	GARLK	63X2163	GARLK	63X294	GARLK
63X1831	GARLK	63X2026	GARLK	63X2166	GARLK	63X295	GARLK
63X1834	GARLK	63X2028	GARLK	63X2168	GARLK	63X295	GARLK
63X1836	GARLK	63X203	GARLK	63X2169	GARLK	63X296	GARLK
63X1840	GARLK	63X2032	GARLK	63X217	GARLK	63X297	GARLK
63X1841	GARLK	63X2034	GARLK	63X2170	GARLK	63X298	GARLK
63X185	GARLK	63X2035	GARLK	63X2171	GARLK	63X299	GARLK
63X1852	GARLK	63X2036	GARLK	63X2172	GARLK	63X2994	GARLK
63X1855	GARLK	63X2037	GARLK	63X2173	GARLK	63X2995	GARLK
63X1857	GARLK	63X2038	GARLK	63X2174	GARLK	63X300	GARLK
63X1858	GARLK	63X2039	GARLK	63X2175	GARLK	63X301	GARLK
63X1861	GARLK	63X204	GARLK	63X2176	GARLK	63X302	GARLK
63X187	GARLK	63X2040	GARLK	63X218	GARLK	63X303	GARLK
63X1882	GARLK	63X2041	GARLK	63X2189	GARLK	63X304	GARLK
63X1885	GARLK	63X2043	GARLK	63X219	GARLK	63X305	GARLK
63X1886	GARLK	63X2044	GARLK	63X2190	GARLK	63X306	GARLK
63X1887	GARLK	63X2045	GARLK	63X2191	GARLK	63X307	GARLK
63X1888	GARLK	63X2046	GARLK	63X2196	GARLK	63X308	GARLK
63X189	GARLK	63X2047	GARLK	63X2197	GARLK	63X323	GARLK
63X1890	GARLK	63X2048	GARLK	63X220	GARLK	63X324	GARLK
63X1891	GARLK	63X2049	GARLK	63X221	GARLK	63X325	GARLK
63X1892	GARLK	63X2050	GARLK	63X222	GARLK	63X326	GARLK
63X1893	GARLK	63X2052	GARLK	63X2223	GARLK	63X327	GARLK
63X1894	GARLK	63X2059	GARLK	63X2224	GARLK	63X328	GARLK
63X1896	GARLK	63X2062	GARLK	63X2225	GARLK	63X329	GARLK
63X1897	GARLK	63X2065	GARLK	63X223	GARLK	63X330	GARLK
63X1899	GARLK	63X2067	GARLK	63X224	GARLK	63X331	GARLK
63X1909	GARLK	63X2068	GARLK	63X225	GARLK	63X333	GARLK
63X1912	GARLK	63X2086	GARLK	63X226	GARLK	63X334	GARLK
63X1915	GARLK	63X2088	GARLK	63X227	GARLK	63X335	GARLK
63X1918	GARLK	63X2089	GARLK	63X228	GARLK	63X336	GARLK
63X1921	GARLK	63X2090	GARLK	63X229	GARLK	63X341	GARLK
63X1924	GARLK	63X2091	GARLK	63X237	GARLK	63X347	GARLK
63X1926	GARLK	63X2092	GARLK	63X241	GARLK	63X35	GARLK
63X1927	GARLK	63X2093	GARLK	63X2436	GARLK	63X351	GARLK
63X193	GARLK	63X2094	GARLK	63X2437	GARLK	63X352	GARLK
63X1930	GARLK	63X21	GARLK	63X2451	GARLK	63X353	GARLK
63X1932	GARLK	63X2101	GARLK	63X2452	GARLK	63X354	GARLK
63X1933	GARLK	63X2103	GARLK	63X251	GARLK	63X3547	GARLK
63X1935	GARLK	63X2104	GARLK	63X2510	GARLK	63X355	GARLK
63X1936	GARLK	63X2115	GARLK	63X2513	GARLK	63X3552	GARLK
63X1939	GARLK	63X2117	GARLK	63X252	GARLK	63X356	GARLK
63X1941	GARLK	63X2118	GARLK	63X255	GARLK	63X357	GARLK
63X1945	GARLK	63X2120	GARLK	63X255	GARLK	63X358	GARLK
63X1946	GARLK	63X2121	GARLK	63X256	GARLK	63X359	GARLK
63X1947	GARLK	63X2122	GARLK	63X257	GARLK	63X36	GARLK
63X1948	GARLK	63X2123	GARLK	63X257	GARLK	63X360	GARLK
63X195	GARLK	63X2124	GARLK	63X258	GARLK	63X361	GARLK
63X1950	GARLK	63X2125	GARLK	63X258	GARLK	63X362	GARLK
63X1951	GARLK	63X2126	GARLK	63X259	GARLK	63X363	GARLK
63X1952	GARLK	63X2127	GARLK	63X260	GARLK	63X365	GARLK
63X1954	GARLK	63X2128	GARLK	63X269	GARLK	63X367	GARLK
63X1955	GARLK	63X213	GARLK	63X270	GARLK	63X369	GARLK
63X1956	GARLK	63X2132	GARLK	63X2706	GARLK	63X37	GARLK
63X1960	GARLK	63X2135	GARLK	63X2707	GARLK	63X37	GARLK
63X1966	GARLK	63X2138	GARLK	63X271	GARLK	63X370	GARLK
63X1972	GARLK	63X214	GARLK	63X273	GARLK	63X374	GARLK
63X1975	GARLK	63X214	GARLK	63X274	GARLK	63X377	GARLK
63X1978	GARLK	63X2146	GARLK	63X275	GARLK	63X38	GARLK
63X1981	GARLK	63X2147	GARLK	63X276	GARLK	63X38	GARLK
63X1987	GARLK	63X2148	GARLK	63X277	GARLK	63X383	GARLK
63X199	GARLK	63X2149	GARLK	63X278	GARLK	63X384	GARLK

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
63X385	GARLK	473426*	63X4600	GARLK	474256	63X4802	GARLK	450545	63X4976	GARLK	472843*
63X386	GARLK	473426	63X4603	GARLK	471231!	63X4803	GARLK	55532=	63X498	GARLK	473213!
63X3863	GARLK	350435	63X4605	GARLK	471554!	63X4804	GARLK	417487	63X4982	GARLK	417547*
63X3869	GARLK	472705!	63X4610	GARLK	415871*	63X4805	GARLK	55228*=	63X4987	GARLK	415458!
63X387	GARLK	471765!	63X4640	GARLK	415991	63X4806	GARLK	455129*	63X4988	GARLK	470774!
63X3871	GARLK	450342	63X4640	GARLK	455146!	63X4808	GARLK	417247!*	63X499	GARLK	450503*=
63X3872	GARLK	471747!	63X4645	GARLK	450143	63X4809	GARLK	415294!	63X4991	GARLK	455480!*
63X3873	GARLK	471747!	63X4646	GARLK	412119!	63X482	GARLK	473210	63X4992	GARLK	473237!*
63X3874	GARLK	471747!	63X4651	GARLK	415035!	63X4825	GARLK	417254*	63X4998	GARLK	417486*
63X3876	GARLK	473425	63X4651	GARLK	415035	63X4828	GARLK	416865!*	63X5	GARLK	350364
63X3879	GARLK	472536	63X4652	GARLK	416239!*	63X4832	GARLK	415303!*	63X50	GARLK	471442!
63X388	GARLK	471765!	63X4654	GARLK	417172!*	63X4836	GARLK	417247!*	63X5002	GARLK	415683*
63X3880	GARLK	471344*	63X4659	GARLK	473244	63X4837	GARLK	415196!*	63X5005	GARLK	472179
63X3883	GARLK	473442!*	63X4662	GARLK	470506!	63X4838	GARLK	413469!*	63X5007	GARLK	472287!*
63X3885	GARLK	470088*	63X4665	GARLK	472636!	63X4838F1	GARLK	413469!	63X5008	GARLK	415437!
63X3887	GARLK	471841	63X4667	GARLK	55548*	63X484	GARLK	450129	63X5008	GARLK	415437
63X3889	GARLK	450965*	63X4668	GARLK	417541*	63X484	GARLK	472826!	63X5025	GARLK	416288!*
63X389	GARLK	471354!*	63X4669	GARLK	416892!*	63X4842	GARLK	471472!	63X5028	GARLK	455476*
63X39	GARLK	474277	63X4670	GARLK	472924!	63X4844	GARLK	415001!	63X5030	GARLK	415023
63X390	GARLK	471354!	63X4671	GARLK	471504!	63X4847	GARLK	471539!	63X5031	GARLK	415072*
63X3902	GARLK	455080*	63X4672	GARLK	472164!	63X485	GARLK	450129	63X5041	GARLK	471538!*
63X3904	GARLK	472234*	63X4677	GARLK	472560N!	63X485	GARLK	472826!	63X5041F1	GARLK	471538!
63X394	GARLK	473205	63X4681	GARLK	415124*	63X4854	GARLK	415035	63X5043	GARLK	415371*
63X3949	GARLK	455966	63X4682	GARLK	417351!	63X4855	GARLK	481537*	63X5049	GARLK	415034!
63X397	GARLK	474255	63X4686	GARLK	417344!	63X4861	GARLK	473226*	63X505	GARLK	481834
63X398	GARLK	474255	63X4687	GARLK	472184=	63X4862	GARLK	471870!	63X5050	GARLK	350364*
63X399	GARLK	474255	63X4688	GARLK	415645!	63X4865	GARLK	417254*	63X5051	GARLK	417539!*
63X40	GARLK	474277	63X4688	GARLK	455104	63X487	GARLK	473421*	63X5053	GARLK	473242*
63X403	GARLK	450048*	63X4691	GARLK	473475*	63X4871	GARLK	470954!*	63X5059	GARLK	417351!
63X405	GARLK	450173*	63X4693	GARLK	472144!*	63X4872	GARLK	417597*	63X5060	GARLK	455336*
63X424	GARLK	471750!	63X4695	GARLK	416229*	63X4873	GARLK	416888!	63X5061	GARLK	415483!
63X425	GARLK	471750!	63X4704	GARLK	471785!	63X4874	GARLK	55392*=	63X5063	GARLK	55028*
63X426	GARLK	471750!	63X4710	GARLK	455026*	63X4876	GARLK	455406!*	63X5066	GARLK	415045!*
63X427	GARLK	471766!	63X4712	GARLK	456105*	63X4878	GARLK	417602!*	63X507	GARLK	481834
63X428	GARLK	471766!	63X4717	GARLK	455019!*	63X4882	GARLK	417262!	63X5078	GARLK	472397!
63X43	GARLK	320457*	63X4718	GARLK	473212!*	63X4883	GARLK	417269!	63X5079	GARLK	416339
63X430	GARLK	471787!	63X4720	GARLK	416107!	63X4891	GARLK	471862*	63X5079	GARLK	455031!
63X431	GARLK	471787!	63X4720	GARLK	455073	63X4897	GARLK	415025*	63X5082	GARLK	450124=
63X433	GARLK	450177*	63X4723	GARLK	417134	63X4899	GARLK	455536*	63X51	GARLK	471526!
63X436	GARLK	471795	63X4727	GARLK	416865!*	63X49	GARLK	471442!	63X511	GARLK	473435*
63X437	GARLK	471795	63X4729	GARLK	457874	63X490	GARLK	473211!*	63X514	GARLK	473436*
63X438	GARLK	471795	63X4732	GARLK	417196!*	63X4900	GARLK	471391!*	63X517	GARLK	50168*
63X439	GARLK	450165	63X4734	GARLK	415082*	63X4902	GARLK	417269!	63X520	GARLK	450054*
63X439	GARLK	471801!	63X4735	GARLK	411376!	63X4904	GARLK	416556!	63X5208F1	GARLK	417211!
63X44	GARLK	320457	63X4735F1	GARLK	411376!	63X4904	GARLK	472157	63X5256F1	GARLK	472179
63X440	GARLK	450165	63X4736	GARLK	55028*	63X4907	GARLK	50026*	63X5268F1	GARLK	473440!
63X440	GARLK	471801!	63X4738	GARLK	417621!	63X4908F1	GARLK	471529	63X5283F1	GARLK	472492!
63X441	GARLK	450165	63X4740	GARLK	414045!	63X491	GARLK	473211!	63X5295	GARLK	471744!
63X441	GARLK	471801!	63X4745	GARLK	415991	63X4912	GARLK	415150!*	63X53	GARLK	471472!
63X442	GARLK	471808!*	63X4745	GARLK	455146!	63X4914	GARLK	416271!*	63X535	GARLK	470774!
63X443	GARLK	471808!*	63X4752	GARLK	417512*	63X4916	GARLK	470898	63X536	GARLK	470774!
63X444	GARLK	471808!	63X4754	GARLK	471554!	63X492	GARLK	473211!*	63X537	GARLK	470774!
63X445	GARLK	471818*	63X4766	GARLK	473232	63X4924	GARLK	417597*	63X538	GARLK	472287!*
63X446	GARLK	471818*	63X4766R1	GARLK	473232!	63X4925	GARLK	417606*	63X5387F1	GARLK	415449!
63X447	GARLK	471818*	63X4768	GARLK	415482*	63X4928	GARLK	416154!*	63X5387R1	GARLK	415449!
63X448	GARLK	470050*	63X4771	GARLK	416892!*	63X4929	GARLK	455462*	63X539	GARLK	472287!*
63X4483	GARLK	415442!	63X4772	GARLK	416345!	63X493	GARLK	473212!*	63X5393	GARLK	473367!
63X4483	GARLK	55442	63X4772	GARLK	455033	63X4934	GARLK	415066*	63X5393	GARLK	473367!
63X4484	GARLK	455396*	63X4774	GARLK	550785*	63X4938	GARLK	412920!	63X5394F1	GARLK	471785!
63X45	GARLK	470004!	63X4775	GARLK	417526*	63X4938F1	GARLK	412920!	63X5398	GARLK	412871!
63X451	GARLK	473424!*	63X4780	GARLK	416892!*	63X494	GARLK	473212!*	63X54	GARLK	471472!
63X454	GARLK	450124=	63X4781	GARLK	471549!	63X4945	GARLK	416738!	63X541	GARLK	471192
63X4560	GARLK	415294!	63X4783	GARLK	417541*	63X4945	GARLK	450096	63X542	GARLK	471192
63X4579	GARLK	470088	63X4784	GARLK	415072*	63X495	GARLK	473212!	63X543	GARLK	471192
63X4580	GARLK	415023	63X4785	GARLK	415124*	63X4958	GARLK	411394!	63X544	GARLK	473214
63X4584	GARLK	473197	63X4787	GARLK	476470	63X4959	GARLK	416268	63X545	GARLK	473214
63X4586	GARLK	471570!	63X4788	GARLK	415066*	63X496	GARLK	473213!	63X546	GARLK	473214
63X4589	GARLK	450400*	63X4789	GARLK	415327*	63X4965	GARLK	451031=	63X547	GARLK	473215!*
63X4590	GARLK	472164!	63X4790	GARLK	416288!*	63X4966	GARLK	417247!*	63X548	GARLK	473215!*
63X4592	GARLK	470898	63X4792	GARLK	471354!*	63X4967	GARLK	417549!*	63X549	GARLK	473215!
63X4593	GARLK	411330!*	63X4800	GARLK	417020*	63X4968	GARLK	416144*	63X5496	GARLK	473439!
63X46	GARLK	470004!	63X4801	GARLK	415227!*	63X497	GARLK	473213!	63X55	GARLK	471549!

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
63X550	GARLK	63X6099	GARLK	63X6456	GARLK	63X6563	GARLK
63X550	GARLK	63X61	GARLK	63X6457	GARLK	63X6564	GARLK
63X5501	GARLK	63X610	GARLK	63X6457	GARLK	63X6565	GARLK
63X551	GARLK	63X612	GARLK	63X6459F1	GARLK	63X6565	GARLK
63X551	GARLK	63X6127	GARLK	63X646	GARLK	63X6568	GARLK
63X552	GARLK	63X613	GARLK	63X646	GARLK	63X6568	GARLK
63X552	GARLK	63X6141F1	GARLK	63X6461	GARLK	63X657	GARLK
63X556	GARLK	63X615	GARLK	63X6462	GARLK	63X6573	GARLK
63X5560	GARLK	63X619	GARLK	63X6465	GARLK	63X6576	GARLK
63X557	GARLK	63X6192	GARLK	63X6465R1	GARLK	63X6578	GARLK
63X5581	GARLK	63X621	GARLK	63X6466	GARLK	63X658	GARLK
63X559	GARLK	63X622	GARLK	63X6467	GARLK	63X6580	GARLK
63X56	GARLK	63X6224	GARLK	63X6468	GARLK	63X6581	GARLK
63X5656	GARLK	63X6230	GARLK	63X6469	GARLK	63X6584	GARLK
63X5657F1	GARLK	63X6231	GARLK	63X6469R1	GARLK	63X6585	GARLK
63X566	GARLK	63X624	GARLK	63X647	GARLK	63X6586	GARLK
63X5688	GARLK	63X6245	GARLK	63X647	GARLK	63X6588	GARLK
63X5704	GARLK	63X6252	GARLK	63X6470	GARLK	63X6588R1	GARLK
63X5713	GARLK	63X6266	GARLK	63X6470F1	GARLK	63X659	GARLK
63X574	GARLK	63X6271	GARLK	63X6471	GARLK	63X6590	GARLK
63X5886	GARLK	63X6272	GARLK	63X6474	GARLK	63X6592	GARLK
63X5887	GARLK	63X6289	GARLK	63X6475	GARLK	63X6593	GARLK
63X5892	GARLK	63X6300	GARLK	63X6478	GARLK	63X6599	GARLK
63X5893	GARLK	63X6328	GARLK	63X6479	GARLK	63X660	GARLK
63X5897	GARLK	63X6333	GARLK	63X6479R1	GARLK	63X6600	GARLK
63X5900	GARLK	63X6335	GARLK	63X648	GARLK	63X6600	GARLK
63X5906	GARLK	63X6340	GARLK	63X648	GARLK	63X6602	GARLK
63X5907	GARLK	63X6353	GARLK	63X6484	GARLK	63X6603	GARLK
63X5912	GARLK	63X6356	GARLK	63X6487	GARLK	63X6604	GARLK
63X5913	GARLK	63X6358	GARLK	63X6489	GARLK	63X6605	GARLK
63X5914	GARLK	63X6358	GARLK	63X649	GARLK	63X6608	GARLK
63X592	GARLK	63X6359	GARLK	63X6497	GARLK	63X661	GARLK
63X5920	GARLK	63X6360	GARLK	63X6499	GARLK	63X6610	GARLK
63X5922	GARLK	63X6360	GARLK	63X650	GARLK	63X6616	GARLK
63X5925	GARLK	63X6361	GARLK	63X6500	GARLK	63X6630	GARLK
63X5929	GARLK	63X6363	GARLK	63X6502	GARLK	63X6632	GARLK
63X593	GARLK	63X6365	GARLK	63X6506	GARLK	63X6634	GARLK
63X5930	GARLK	63X6366	GARLK	63X6506F1	GARLK	63X6635	GARLK
63X5933	GARLK	63X6369	GARLK	63X6510	GARLK	63X6637	GARLK
63X5937	GARLK	63X6370	GARLK	63X6511	GARLK	63X6638	GARLK
63X5938	GARLK	63X6374	GARLK	63X6511	GARLK	63X6639	GARLK
63X594	GARLK	63X6375	GARLK	63X6513	GARLK	63X664	GARLK
63X5945	GARLK	63X6378	GARLK	63X6515	GARLK	63X6640	GARLK
63X5947	GARLK	63X6385	GARLK	63X6516	GARLK	63X6644	GARLK
63X5948	GARLK	63X6387	GARLK	63X6517	GARLK	63X6645	GARLK
63X595	GARLK	63X6389	GARLK	63X6521	GARLK	63X6645	GARLK
63X5953	GARLK	63X6390	GARLK	63X6522	GARLK	63X665	GARLK
63X5953	GARLK	63X6391	GARLK	63X6522R1	GARLK	63X6651	GARLK
63X5957	GARLK	63X6395	GARLK	63X6523	GARLK	63X6652	GARLK
63X5959	GARLK	63X6411	GARLK	63X6523F1	GARLK	63X6654	GARLK
63X596	GARLK	63X6413	GARLK	63X6524F1	GARLK	63X6658	GARLK
63X5960	GARLK	63X6414	GARLK	63X6528	GARLK	63X666	GARLK
63X5966	GARLK	63X6415	GARLK	63X6528	GARLK	63X6664	GARLK
63X5968	GARLK	63X6418	GARLK	63X6529	GARLK	63X6664	GARLK
63X5969	GARLK	63X6422	GARLK	63X6530	GARLK	63X6665	GARLK
63X597	GARLK	63X643	GARLK	63X6534	GARLK	63X6667	GARLK
63X5978	GARLK	63X6430	GARLK	63X6534	GARLK	63X6667	GARLK
63X5980	GARLK	63X6431	GARLK	63X6541	GARLK	63X6667R1	GARLK
63X5981	GARLK	63X6433	GARLK	63X6545	GARLK	63X6668	GARLK
63X5983	GARLK	63X6434	GARLK	63X6546	GARLK	63X6670	GARLK
63X599	GARLK	63X6434	GARLK	63X6547	GARLK	63X6674	GARLK
63X6	GARLK	63X6437	GARLK	63X6548	GARLK	63X6675	GARLK
63X60	GARLK	63X6438	GARLK	63X6549	GARLK	63X6675	GARLK
63X600	GARLK	63X6438R1	GARLK	63X655	GARLK	63X6675R1	GARLK
63X601	GARLK	63X6439	GARLK	63X6550	GARLK	63X6678	GARLK
63X602	GARLK	63X644	GARLK	63X6551	GARLK	63X6679	GARLK
63X6028F1	GARLK	63X6440	GARLK	63X6551R1	GARLK	63X6679	GARLK
63X603	GARLK	63X6444	GARLK	63X6554	GARLK	63X668	GARLK
63X6062	GARLK	63X6446	GARLK	63X6556	GARLK	63X6680F1	GARLK
63X607	GARLK	63X645	GARLK	63X6556	GARLK	63X6682	GARLK
63X608	GARLK	63X6450	GARLK	63X656	GARLK	63X6687	GARLK
63X609	GARLK	63X6451	GARLK	63X6560	GARLK		

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
63X669	GARLK	474281!	63X6860	GARLK	473010	63X7069	GARLK	470774!	63X7223	GARLK	472319*
63X6692	GARLK	417355!*	63X6860R1	GARLK	473010!	63X707	GARLK	471821!	63X7224	GARLK	415001!
63X67	GARLK	471281!	63X6860T2	GARLK	473010!	63X7072	GARLK	474264	63X7226	GARLK	474264
63X670	GARLK	470625!	63X6864	GARLK	417073*	63X708	GARLK	471821!	63X7229	GARLK	455189*
63X6700	GARLK	415302*	63X6865	GARLK	417481*	63X7081	GARLK	473237!*	63X723	GARLK	473441
63X6700F1	GARLK	415302	63X6866	GARLK	412871!	63X7090	GARLK	471271!	63X7230	GARLK	415437
63X6701	GARLK	473214	63X6868	GARLK	417351!	63X7091	GARLK	415082*	63X7230	GARLK	415437!
63X6705	GARLK	471821!	63X6870	GARLK	455134!	63X7099	GARLK	472924!	63X7231	GARLK	417354!*
63X6706	GARLK	473464!	63X6871	GARLK	417515*	63X7099F1	GARLK	472924!*	63X7233	GARLK	415551*
63X6706	GARLK	473464	63X6872	GARLK	417362!*	63X71	GARLK	471551!	63X7238	GARLK	450104*
63X6707	GARLK	417554!*	63X6888	GARLK	417584*	63X7101	GARLK	417604	63X724	GARLK	450273
63X6708	GARLK	476470	63X6892	GARLK	416239!	63X7104	GARLK	415458!	63X7241	GARLK	455406!*
63X6711	GARLK	415725!*	63X6893	GARLK	416865!*	63X7110	GARLK	416888!	63X7245	GARLK	415371*
63X6713	GARLK	417601*	63X6895	GARLK	455406!*	63X7114	GARLK	415551*	63X7247	GARLK	417562*
63X6714	GARLK	415988*	63X6896	GARLK	481073*	63X7115	GARLK	415991	63X7248	GARLK	473459
63X6716	GARLK	416664!	63X6898	GARLK	470565!	63X7115	GARLK	455146!	63X7249	GARLK	415960
63X6722	GARLK	417601*	63X6898R1	GARLK	470565!	63X712	GARLK	473229	63X7253	GARLK	415027!
63X6723	GARLK	417488!*	63X6899	GARLK	473229	63X7120	GARLK	417366!*	63X7253	GARLK	415027
63X6730	GARLK	417344!	63X69	GARLK	471535!*	63X7121	GARLK	473437*	63X7254	GARLK	473234
63X6730R1	GARLK	417344!	63X6900	GARLK	417316!	63X7125	GARLK	473231	63X7254F1	GARLK	473234!
63X6732	GARLK	417160*	63X6901	GARLK	416332!	63X7126	GARLK	470596*	63X7255	GARLK	417351!
63X6733	GARLK	330385!	63X6904	GARLK	472397!	63X7128	GARLK	416666*	63X7258	GARLK	416892!*
63X6734	GARLK	416154!*	63X6904F1	GARLK	472397!	63X713	GARLK	473229	63X7259	GARLK	450133*
63X6739	GARLK	417221!	63X6907	GARLK	415027*	63X7130	GARLK	471316	63X7262	GARLK	474274
63X6741	GARLK	417254*	63X6914	GARLK	416476!	63X7134	GARLK	416154!*	63X7264	GARLK	473446*
63X6741F1	GARLK	417254	63X6917	GARLK	417525*	63X7137	GARLK	470059	63X7265	GARLK	417362!*
63X6744F1	GARLK	471981	63X6920	GARLK	415294!	63X7137	GARLK	470380!	63X7269	GARLK	415437
63X6745	GARLK	471766!	63X6921	GARLK	455462*	63X714	GARLK	473229	63X7269	GARLK	415437!
63X6745R1	GARLK	471766!	63X6923	GARLK	415711*	63X7140	GARLK	472029*	63X7270	GARLK	417181!*
63X6746	GARLK	415683*	63X6924	GARLK	416666*	63X7141	GARLK	416556!	63X7272	GARLK	472492!
63X6749	GARLK	471255!	63X6927	GARLK	471554!	63X7141	GARLK	472157	63X7276	GARLK	416077*
63X6750	GARLK	415645!	63X6927F1	GARLK	471554!	63X7145	GARLK	472012*	63X7277	GARLK	417474
63X6750	GARLK	455104	63X6931	GARLK	55441!*	63X7145F1	GARLK	472012	63X7280	GARLK	471821!
63X6753	GARLK	474265	63X6934	GARLK	473235!*	63X7146	GARLK	350435*	63X7282	GARLK	416339
63X6755F1	GARLK	471224!	63X6937	GARLK	470625!	63X715	GARLK	470682*	63X7282	GARLK	455031!
63X6757	GARLK	411376!	63X6937R1	GARLK	470625!	63X7152	GARLK	473367!	63X7284	GARLK	417539!*
63X6760	GARLK	417603!*	63X6938	GARLK	417269!	63X7152	GARLK	473367	63X7285	GARLK	411245!
63X6762	GARLK	417134*	63X6939	GARLK	417541*	63X7152F1	GARLK	473367	63X7289	GARLK	417191
63X6764	GARLK	455015*	63X6946	GARLK	417539!*	63X7153	GARLK	417350!	63X7289	GARLK	456585
63X6765	GARLK	417278*	63X6947	GARLK	416364!	63X7154	GARLK	415036*	63X7291	GARLK	416891!*
63X6767	GARLK	415035	63X6949	GARLK	415138!*	63X7155	GARLK	415072*	63X7292	GARLK	417316!
63X6768	GARLK	417020	63X6950	GARLK	450869*	63X7159	GARLK	455005*	63X7299	GARLK	471529*
63X6770	GARLK	417604	63X6952	GARLK	417362!*	63X7160	GARLK	472016*	63X7307	GARLK	472164!
63X6773	GARLK	415551*	63X6955	GARLK	471141!	63X7162	GARLK	415351!*	63X7313	GARLK	418028
63X6774	GARLK	473214	63X6957	GARLK	470354*	63X7164	GARLK	473455!	63X7313	GARLK	455137!
63X6774R1	GARLK	473214!	63X6959	GARLK	455476*	63X7165	GARLK	416891!*	63X7314	GARLK	55199!*
63X6794	GARLK	473367!	63X6961	GARLK	474264	63X717	GARLK	470682	63X7317	GARLK	417562*
63X6794	GARLK	473367	63X6966	GARLK	455655!*	63X7174	GARLK	472018*	63X7318	GARLK	455406!*
63X6795	GARLK	471341!	63X6968	GARLK	415021*	63X7176	GARLK	471192	63X7320	GARLK	471424!*
63X6796	GARLK	417362!*	63X6971	GARLK	471558*	63X7177	GARLK	416706!	63X7324	GARLK	415027*
63X6797	GARLK	455330!*	63X6975	GARLK	9568*	63X7178	GARLK	55199!*	63X7327	GARLK	471887*
63X6798	GARLK	415559*	63X6978	GARLK	415196!*	63X718	GARLK	471316	63X7328	GARLK	415995!
63X6799	GARLK	415035	63X6981	GARLK	455194*	63X7186	GARLK	471760*	63X7328F1	GARLK	415995!
63X68	GARLK	471281!	63X6982	GARLK	416345!	63X7187	GARLK	415483!	63X733	GARLK	450065*
63X6800	GARLK	417082*	63X6982	GARLK	455033	63X7192	GARLK	415379	63X7332	GARLK	415027*
63X6802	GARLK	455480!*	63X6984	GARLK	471564*	63X7192	GARLK	415379!	63X7334	GARLK	455144*
63X6806	GARLK	416339	63X6990	GARLK	415035	63X7194	GARLK	412473!	63X734	GARLK	450065
63X6806	GARLK	455031!	63X6991	GARLK	416125!*	63X7195	GARLK	480630!	63X7341F1	GARLK	472475
63X6832	GARLK	472179	63X6992	GARLK	476838!	63X7196	GARLK	415960	63X7342	GARLK	415645!
63X6832R1	GARLK	472179	63X6993	GARLK	471765!	63X7197	GARLK	415995!	63X7342	GARLK	455104
63X6833	GARLK	417606*	63X6993F1	GARLK	471765!	63X7197T2	GARLK	415995!	63X7346	GARLK	451948*
63X6835	GARLK	417509*	63X6995	GARLK	471138!*	63X7197T2	GARLK	415995!	63X7347	GARLK	415027
63X6838	GARLK	9568*	63X70	GARLK	471535!	63X7198	GARLK	482089=	63X7347	GARLK	415027!
63X6839	GARLK	476470*	63X700	GARLK	472213	63X7199	GARLK	417487	63X7348	GARLK	417535*
63X6840	GARLK	417506*	63X7007	GARLK	472810!	63X72	GARLK	471551!	63X7349	GARLK	475384*
63X6842	GARLK	417020*	63X701	GARLK	472213	63X7205	GARLK	416153!	63X7350	GARLK	415991
63X6844	GARLK	455397*	63X702	GARLK	472213	63X7206	GARLK	415711*	63X7350	GARLK	455146!
63X6847	GARLK	417526*	63X703	GARLK	472299*	63X721	GARLK	473441*	63X7353	GARLK	417601*
63X6853	GARLK	472394*	63X7039	GARLK	471539!	63X7210	GARLK	455151*	63X7357	GARLK	412473!
63X6856	GARLK	471255!	63X704	GARLK	472299*	63X7215R1	GARLK	471689!	63X7358	GARLK	471646!
63X6857	GARLK	471692!	63X706	GARLK	471821!	63X7220	GARLK	455191*	63X7364	GARLK	455019!*
63X6858	GARLK	55141*	63X7060	GARLK	474256	63X7221	GARLK	416313*	63X7366	GARLK	417550*

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Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
63X7368	GARLK	63X7615	GARLK	63X7795	GARLK	63X8156	GARLK
63X7370F1	GARLK	63X7615	GARLK	63X7796	GARLK	63X8161	GARLK
63X7371	GARLK	63X7616	GARLK	63X78	GARLK	63X8165	GARLK
63X7372	GARLK	63X762	GARLK	63X780	GARLK	63X8169	GARLK
63X7372F1	GARLK	63X7626	GARLK	63X7803	GARLK	63X8173	GARLK
63X7374	GARLK	63X7629	GARLK	63X781	GARLK	63X8187	GARLK
63X7375	GARLK	63X763	GARLK	63X7812	GARLK	63X8187R1	GARLK
63X7382	GARLK	63X763	GARLK	63X7812	GARLK	63X8188	GARLK
63X7386	GARLK	63X7633	GARLK	63X7814	GARLK	63X8192	GARLK
63X7389	GARLK	63X7633F1	GARLK	63X7819	GARLK	63X82	GARLK
63X7389	GARLK	63X764	GARLK	63X782	GARLK	63X820	GARLK
63X739	GARLK	63X764	GARLK	63X7824	GARLK	63X8205	GARLK
63X7390	GARLK	63X7642	GARLK	63X7825	GARLK	63X8208	GARLK
63X7390F1	GARLK	63X7646	GARLK	63X7829	GARLK	63X8213	GARLK
63X7391	GARLK	63X7649	GARLK	63X7829F1	GARLK	63X8214	GARLK
63X7402	GARLK	63X765	GARLK	63X783	GARLK	63X8222	GARLK
63X7402	GARLK	63X765	GARLK	63X7831	GARLK	63X8224	GARLK
63X7409	GARLK	63X7652	GARLK	63X7837	GARLK	63X8231	GARLK
63X7409	GARLK	63X7653	GARLK	63X7839	GARLK	63X8231	GARLK
63X7418	GARLK	63X7659	GARLK	63X7840	GARLK	63X8233	GARLK
63X7419	GARLK	63X7661	GARLK	63X7842	GARLK	63X8238	GARLK
63X742	GARLK	63X7668	GARLK	63X7846	GARLK	63X8243	GARLK
63X7420	GARLK	63X7669	GARLK	63X7861	GARLK	63X8245	GARLK
63X7423	GARLK	63X7670	GARLK	63X7864	GARLK	63X8248	GARLK
63X7433	GARLK	63X7671	GARLK	63X787	GARLK	63X8248	GARLK
63X7435	GARLK	63X7675	GARLK	63X7873	GARLK	63X8251	GARLK
63X7436	GARLK	63X7677	GARLK	63X7877	GARLK	63X8252	GARLK
63X7439	GARLK	63X7684	GARLK	63X7879	GARLK	63X826	GARLK
63X744	GARLK	63X7685	GARLK	63X788	GARLK	63X8262	GARLK
63X7440	GARLK	63X7686	GARLK	63X7880	GARLK	63X8265	GARLK
63X7440	GARLK	63X7687	GARLK	63X7880	GARLK	63X8266	GARLK
63X7447	GARLK	63X7689	GARLK	63X789	GARLK	63X8267	GARLK
63X7447	GARLK	63X769	GARLK	63X79	GARLK	63X827	GARLK
63X7448	GARLK	63X7690	GARLK	63X790	GARLK	63X8270	GARLK
63X751	GARLK	63X7695	GARLK	63X7907	GARLK	63X8272	GARLK
63X7510	GARLK	63X77	GARLK	63X7907	GARLK	63X8274	GARLK
63X7516	GARLK	63X7700	GARLK	63X7909	GARLK	63X8275	GARLK
63X7518	GARLK	63X771	GARLK	63X7915	GARLK	63X8275	GARLK
63X7523	GARLK	63X7717	GARLK	63X792	GARLK	63X8278	GARLK
63X7542	GARLK	63X772	GARLK	63X7922	GARLK	63X828	GARLK
63X7542F1	GARLK	63X7722	GARLK	63X793	GARLK	63X8280	GARLK
63X7544	GARLK	63X7722	GARLK	63X793	GARLK	63X8280	GARLK
63X7544	GARLK	63X7723	GARLK	63X7934	GARLK	63X8284	GARLK
63X7549	GARLK	63X774	GARLK	63X7937	GARLK	63X8289	GARLK
63X7551	GARLK	63X7745	GARLK	63X7941	GARLK	63X8292	GARLK
63X7551	GARLK	63X7746	GARLK	63X799	GARLK	63X8293	GARLK
63X7554	GARLK	63X7747	GARLK	63X7993	GARLK	63X8300	GARLK
63X7555	GARLK	63X7749	GARLK	63X80	GARLK	63X8306	GARLK
63X7555F1	GARLK	63X775	GARLK	63X805	GARLK	63X8306	GARLK
63X7559	GARLK	63X7752	GARLK	63X8063	GARLK	63X8309	GARLK
63X7559	GARLK	63X7758	GARLK	63X8067	GARLK	63X8310	GARLK
63X7560	GARLK	63X7759	GARLK	63X8074	GARLK	63X8311	GARLK
63X7561	GARLK	63X7764	GARLK	63X808	GARLK	63X8311	GARLK
63X7562	GARLK	63X7765	GARLK	63X8081	GARLK	63X8312F1	GARLK
63X7563	GARLK	63X7765	GARLK	63X81	GARLK	63X8314	GARLK
63X7564	GARLK	63X7767	GARLK	63X810	GARLK	63X8328	GARLK
63X7566	GARLK	63X7768	GARLK	63X8102	GARLK	63X8330	GARLK
63X7567F1	GARLK	63X777	GARLK	63X8104	GARLK	63X8331	GARLK
63X7568	GARLK	63X7772	GARLK	63X8111	GARLK	63X8342	GARLK
63X7568F1	GARLK	63X7774	GARLK	63X8112	GARLK	63X8342	GARLK
63X7572	GARLK	63X7775	GARLK	63X8117	GARLK	63X835	GARLK
63X7574	GARLK	63X7776	GARLK	63X8120	GARLK	63X8353	GARLK
63X7578	GARLK	63X7776F1	GARLK	63X8127	GARLK	63X836	GARLK
63X7590	GARLK	63X778	GARLK	63X8128	GARLK	63X837	GARLK
63X7590	GARLK	63X7780	GARLK	63X8129	GARLK	63X838	GARLK
63X7594	GARLK	63X7783	GARLK	63X8131	GARLK	63X8384	GARLK
63X760	GARLK	63X7784	GARLK	63X8135	GARLK	63X8396	GARLK
63X7603	GARLK	63X7785	GARLK	63X8140	GARLK	63X840	GARLK
63X761	GARLK	63X7786	GARLK	63X8151	GARLK	63X8400	GARLK
63X7610	GARLK	63X7787	GARLK	63X8151	GARLK	63X8401	GARLK
63X7611	GARLK	63X7791	GARLK	63X8153	GARLK	63X8404	GARLK
63X7612	GARLK	63X7791	GARLK	63X8154	GARLK	63X8409	GARLK

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
63X841	GARLK	474265	63X8680	GARLK	415227!*	63X8904	GARLK	455073	63X9943F1	GARLK	471829
63X8410	GARLK	417512*	63X8681	GARLK	417501*	63X8907	GARLK	415045!*	64 AU-WS		412040
63X8416	GARLK	410737!	63X8682	GARLK	470645*	63X8912	GARLK	417542*	64 B-L-H		412040
63X8417	GARLK	455584*	63X8683	GARLK	417511*	63X8917	GARLK	415090*	6400 C-R		16X22X4
63X8419	GARLK	415138!*	63X8687	GARLK	415128*	63X895	GARLK	470086*	64001 VIC		350364
63X842	GARLK	474265	63X8696	GARLK	417485*	63X898	GARLK	471504!	640087 CONTI		471103!
63X8423	GARLK	415072*	63X8697	GARLK	417509*	63X899	GARLK	471504!	64010 VIC		471103!
63X843	GARLK	474265	63X8698	GARLK	455297*	63X900	GARLK	471504!	64021 VIC		471750!
63X8430	GARLK	456105*	63X87	GARLK	471466!	63X9009	GARLK	471688*	64022 VIC		471224!
63X8437	GARLK	55301S*	63X8700	GARLK	418028	63X9013	GARLK	352541*	640230 CATER		471341!
63X844	GARLK	473236!*	63X8700	GARLK	455137!	63X904	GARLK	472164!	640230 GERL		471341!
63X8442	GARLK	417252*	63X8704	GARLK	470625!	63X905	GARLK	472164*	64024 VIC		471787!
63X8443	GARLK	416229*	63X8705	GARLK	480281!	63X906	GARLK	472164!	64029 VIC		471224!
63X845	GARLK	473236!*	63X8708	GARLK	417780*	63X907	GARLK	472185!	6403 C-R		16X24X5!
63X846	GARLK	473236!	63X871	GARLK	450068*	63X909	GARLK	472185!	6403 C-R		16X24X6
63X8460	GARLK	416891!*	63X8712	GARLK	415645!	63X9093F1	GARLK	470605!	64030 VIC		6863S!
63X8462	GARLK	415090*	63X8712	GARLK	455104	63X90X10	FORSH	63X90X10	640335 WILYS		470059
63X8466	GARLK	417509*	63X8724	GARLK	473463*	63X90X10	SIMRT	63X90X10	640335 WILYS		470380!
63X8469	GARLK	415871*	63X8726	GARLK	417349*	63X90X10SC	TRSCM	63X90X10	640345 WILYS		471801!
63X8470	GARLK	417159*	63X8728	GARLK	470605!*	63X90X10TC	TRSCM	63X90X10	64035 VIC		471689!
63X8471	GARLK	417556*	63X8731	GARLK	417356!	63X91	GARLK	471255!	64038 VIC		8660S
63X8477	GARLK	455026*	63X8731	GARLK	455188	63X910	GARLK	470334!	640383 WILYS		340797
63X8488	GARLK	455566*	63X8732	GARLK	473239	63X911	GARLK	470334!	6404 C-R		221607
63X8494	GARLK	415482*	63X8734	GARLK	471820*	63X912	GARLK	470334!	64042 VIC		450984
63X8498	GARLK	471341!	63X8736	GARLK	415072*	63X913	GARLK	472179	64045 VIC		8460N
63X8521	GARLK	412040*	63X8738	GARLK	470565!*	63X914	GARLK	472179	640454 WHITE		416130!
63X8529	GARLK	417597*	63X874	GARLK	50075*=	63X915	GARLK	472179	640454D5 DIA		416130!
63X853	GARLK	473446	63X8744	GARLK	417357	63X916	GARLK	473447	64046 VIC		471504
63X8530	GARLK	416664!	63X8744	GARLK	455192!	63X918	GARLK	473447	640463 WILYS		473232
63X854	GARLK	473446	63X8745	GARLK	416891!*	63X919	GARLK	470334!	64047 VIC		6863S!
63X855	GARLK	473446*	63X8747	GARLK	415867*	63X919	GARLK	50289	640478 CATER		345035
63X8551	GARLK	416149*	63X8752	GARLK	417362!*	63X92	GARLK	471255!	640479 CATER		345035
63X8556	GARLK	417507	63X8755	GARLK	55223*=	63X921	GARLK	470334!	64048 VIC		472070
63X8556	GARLK	417507!	63X8756	GARLK	417020*	63X921	GARLK	50289	64049 VIC		471733
63X8560	GARLK	417604*	63X8757	GARLK	417494*	63X922	GARLK	471141!	6405 C-R		16X24X7
63X8566	GARLK	455576!*	63X8758	GARLK	417020*	63X923	GARLK	471141!	64050 VIC		471733
63X8569	GARLK	471818*	63X877	GARLK	50191*	63X9234F1	GARLK	473445	64051 VIC		471442!
63X8570	GARLK	415263*	63X8775	GARLK	417298*	63X924	GARLK	471141!	64054 VIC		471652
63X8571	GARLK	413248	63X8778	GARLK	416163*	63X925	GARLK	473448	640545 AMC		471801!
63X8572	GARLK	472029*	63X8780	GARLK	415991	63X927	GARLK	473448	640545 WILYS		471801!
63X8573	GARLK	415001!	63X8780	GARLK	455146!	63X928	GARLK	471984*	64055 VIC		471526!
63X8579	GARLK	417601*	63X8787	GARLK	415259!*	63X93	GARLK	471564	640555 WILYS		472179
63X8585	GARLK	415072*	63X8790	GARLK	473441*	63X930	GARLK	471984	640561 WILYS		472179
63X859	GARLK	471981	63X8797	GARLK	413247!	63X931	GARLK	473313	64059 VIC		350936
63X8591	GARLK	415871*	63X88	GARLK	471466!	63X933	GARLK	473313	6406 C-R		16X28X7
63X8592	GARLK	417211!*	63X8819	GARLK	455406!*	63X9345	GARLK	471733	64061 VIC		471692!
63X8596	GARLK	455584*	63X8824	GARLK	417254*	63X94	GARLK	471564*	64062 VIC		471692!
63X85X10	SIMRT	63X85X10	63X8825	GARLK	416891!*	63X940	GARLK	50266*	64063 VIC		473179!
63X85X10SC	TRSCM	63X85X10	63X8828	GARLK	455462*	63X943	GARLK	450269*	64064 VIC		5126
63X85X10TC	TRSCM	63X85X10	63X8830	GARLK	415559*	63X946	GARLK	450285*	64066 VIC		473459
63X8608	GARLK	455022*	63X8833	GARLK	416664!	63X9481	GARLK	417486	64066 VIC		473459!
63X861	GARLK	471981	63X8836	GARLK	417171!*	63X949	GARLK	471866!*	64068 DENCO		415045!
63X862	GARLK	50327	63X8845	GARLK	417541*	63X95	GARLK	471612	64068 VIC		9406S
63X8628	GARLK	417542*	63X8846	GARLK	417547*	63X9501	GARLK	330385!	6407 C-R		16X28X7V
63X8629	GARLK	417539!*	63X8847	GARLK	417497*	63X951	GARLK	471866!	64075 VIC		471692!
63X8631	GARLK	416167!	63X8848	GARLK	410987!*	63X9515	GARLK	471267!*	64076 VIC		472705!
63X8633	GARLK	416154!*	63X8856	GARLK	417537*	63X958	GARLK	473448*	64077 VIC		471763
63X8635	GARLK	455197N*	63X886	GARLK	50081*	63X96	GARLK	471612	640777 BENDI		456105
63X8636	GARLK	415196!*	63X8864	GARLK	418028	63X961	GARLK	471984*	640778 BENDI		416125!
63X8638	GARLK	417205!*	63X8864	GARLK	455137!	63X9633	GARLK	480281!	640779 BENDI		473426
63X8640	GARLK	415984!*	63X8868	GARLK	417605*	63X964	GARLK	473313	64078 VIC		471281!
63X8643	GARLK	472572!	63X887	GARLK	50081*	63X97	GARLK	481528	6408 C-R		16X26X7!
63X8646	GARLK	450068*	63X8870	GARLK	415683*	63X976	GARLK	472070*	6408 C-R		710243
63X8652	GARLK	50254*=	63X8875	GARLK	50327*	63X978	GARLK	472070	64081 VIC		416706!
63X8657	GARLK	417262!	63X8879	GARLK	450593!	63X979	GARLK	471866!	64083 VIC		416706!
63X8662	GARLK	417020*	63X8881	GARLK	416556!	63X98	GARLK	481528	64084 VIC		416706
63X8663	GARLK	417541*	63X8881	GARLK	472157	63X982	GARLK	473449	64085 VIC		416706!
63X8665	GARLK	417603!*	63X8886	GARLK	470596*	63X9833F1	GARLK	471192	64086 VIC		416364!
63X8668	GARLK	455685*	63X8887	GARLK	471413	63X984	GARLK	473449	64087 VIC		471532
63X8676	GARLK	417159	63X8903	GARLK	417191	63X987	GARLK	480281!	64088 VIC		416364!
63X8678	GARLK	417366!*	63X8903	GARLK	456585	63X988	GARLK	450269*	640885 WILYS		6465
63X8679	GARLK	455151*	63X8904	GARLK	416107!	63X991	GARLK	473450	6408S SPG		471442!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
6409 C-R	16X28X7V		64213 CROWN	200885		64414 VIC	370001A		64562 VIC	473231!	
64090 VIC	471413!		64220 TROS	9569S		64415 VIC	370124A		64564 VIC	370046A	
64092 VIC	470380!		64221 TROS	51322		6442 C-R	16X35X7!		64566 VIC	370106A	
64094 VIC	473228		64222 VIC	471571		644236X1 IH	6703S		64567 VIC	370019A	
64095 VIC	473228!		64223D IH	472157		64424 VIC	471765!		64568 VIC	J1131	
640959 VIC	42763		64223D IH	472157!		644254 WILYS	40286		645681 ALLCH	415725!	
64096 VIC	471466!		64225 VIC	370013A		644284 AMC	471766!		6456LA JN-MN	455026	
640977 CATER	6872S		64227 VIC	370012A		644284 WILYS	471766!		64570 VIC	J1138	
64098 VIC	471264!		64231 VIC	370029A		64433 VIC	473228!		64571 VIC	416865	
640983 CATER	6481=		642311 CHRYS	50490=		64434 VIC	417698		64572 VIC	3095	
64099 VIC	473237!		64234 VIC	370008A		64437 VIC	370057A		64572 VIC	3103	
641 C-R	5M544		64236 VIC	417247!		64443 VIC	370030A		64573 VIC	3103!	
6410 C-R	16X28X7!		64238 VIC	417541		64443 VIC	455861=		64579 VIC	472397!	
6410 C-R	221610		6423LPD JN-MN	415995!		64446 VIC	323138!		6457LA JN-MN	415259!	
64101 AT SU	8705S		6423LUP JN-MN	415995!		64448 VIC	472354!		6457S SPG	370002A	
64101 VIC	471255!		6424 SPG	472354!		644538 WILYS	340787		64581 VIC	J1137=	
64101S TROS	8705S		64242 VIC	1010=		64454 VIC	471192		64584 VIC	417505	
64107 VIC	470530!		64242 VIC	472311!		64456 VIC	370002A		64585 VIC	J1128	
64108 VIC	470530!		64245 VIC	471224!		64460 VIC	418028		64589 VIC	417506	
64109 VIC	471538!		64246 VIC	455008		64461 VIC	J1401=		645891 WILYS	240385	
6411 C-R	16X28X7		64247 VIC	471649!		64462 VIC	473231!		64592 VIC	2669	
64116 VIC	415960		6424LA JN-MN	473419		64464 VIC	370145A		64592 VIC	472475	
64117 VIC	415960!		6425 C-R	16X30X7V		64468 VIC	370007A		64595 VIC	9912	
64119 VIC	415960		64250 VIC	471689!		64471 VIC	417172		645980 WILYS	5MR1300	
6412 C-R	16X28X7!		64258 VIC	471760		644777 BENDI	416288!		646007 CATER	415035	
6412 C-R	221610		6426 C-R	16X30X7!		64482 VIC	415958		646007 CATER	415035!	
64122 VIC	415269=		6426 C-R	221620		644830 BENDI	471689!		64601 VIC	353141!	
64126 VIC	470954!		6426 TIMKE	473228		644831 BENDI	473444		646015 GERL	417596	
64129 AM WH	472144!		64261 VIC	471619!		644832 BENDI	450593!		64601S TROS	472082	
64129 VIC	415295		64262 VIC	J1134		64484 VIC	415960!		64602 AM WH	417563	
6413278B HERCU	472924=		642649 BENDI	473367!		644856 CHRYS	470354		64603 VIC	370034A	
64133 VIC	324941		642649 BENDI	473367		64487 AM WH	473214!		646059 CHRYS	472560N!	
64135 VIC	471554!		64281 VIC	471765!		64487 VIC	417134		6460LA JN-MN	417273	
641365 WILYS	6465		64284 VIC	471651		64488 AM WH	417343!		6460S TIMKE	473179	
64137 VIC	471567!		64295 VIC	471762!		644881 BENDI	471733		646110M1 MASSE	471316	
641383 SPICE	40769S		6430 C-R	16X32X7		64489 VIC	J1120 *=		6461LA JN-MN	416167!	
641383 WILYS	40769S		64314 VIC	472560N!		64491 VIC	370011A		646239 WILYS	6465	
64139 VIC	471498		64315 VIC	471652		64494 VIC	474276!		64635 VIC	6703S	
6413S NATL	483054N		64317 VIC	470328		64495 VIC	370033A		64636 VIC	473237!	
64140 VIC	471643!		64317 VIC	481213!		64496 VIC	481163!		64638 VIC	472164!	
64142 VIC	471684!		64317W DIA	240151		644K1 WHITE	240151		6464 HYST	417316!	
64143 VIC	415867		64320 VIC	470712!		645 C-R	410987		64646 VIC	472179	
64144 VIC	473406!		64323 VIC	204020		64500 C-R	165X190X13!		64656 EATON	416654	
64147 VIC	342805		64323 VIC	204505!		64501R TROS	473179		64679 EATON	416271	
64148 VIC	39807		64324 VIC	471763		64502 VIC	455336		64680 EATON	712375	
64150 VIC	471231!		643247C91 IH	416664=		645058R91 IH	480630!		646851 ALLCH	471466!	
64153 HYST	473425		6432LPD JN-MN	417073*		64507 VIC	J1606		64687D IH	472397!	
64159 VIC	472164!		6432LUP JN-MN	417073		64511 VIC	370012A		64688D IH	415995!	
64162 VIC	353131		64335 DENCO	415058		64517 VIC	370048A		64697 VIC	473231!	
64162 VIC	471231!		64346 HYST	471765!		64517 VIC	380048A		6470 C-R	16X38X7	
64165 VIC	415072		64346 VIC	472475		64523 VIC	44052		647217R91 IH	415085!	
64173 VIC	470954!		64347 VIC	473426		64529 VIC	450593!		647217R91 IH	456648	
64174 VIC	481534		64349 VIC	471765!		64530 VIC	370001A		64730 VIC	417158!	
6418 C-R	16X30X7!		6435 C-R	16X32X7		64533 VIC	J1119		647400R91 IH	5976S	
6418 C-R	221620		64353 VIC	471354!		64534 VIC	370054A		647468 WILYS	471504	
6418SS JN-MN	471567!		64360S TROS	7686S		64538 VIC	370132A		6474SS JN-MN	30X62X7*	
64191 VIC	353132		64362 VIC	453510		64539 VIC	370131A		6475 VICK	471442!	
64193 VIC	471267!		64368 ALLCH	327303!		64539 VIC	455685		64754 VIC	450073	
64195 VIC	712270		64382 VIC	353135		6453LA JN-MN	450472!		64780 HYST	471765!	
64196 VIC	471570!		64382 VIC	474278!		64540 VIC	J1238 *=		64780 VIC	352541	
64199 VIC	350877		64385 VIC	471737		64541 VIC	370011A		647829 BENDI	450039	
64199 VIC	471633!		643882 CATER	470898		64542 VIC	415371		647830 BENDI	471276	
6419SS JN-MN	473231!		64395 VIC	471795		64546 VIC	370006A		64794 VIC	225230*	
6420 C-R	16X30X7		6439SS JN-MN	17X40X7		6454G P-C	TCS45472		64794 VIC	52X72X8!	
64200 VIC	471646!		6440 C-R	16X35X7		6454LA JN-MN	416654!		6480 C-R	16X40X7	
64202S TROS	8660S		644023 GERL	415027		6455 C-R	710261		648008A HARWA	64X80X8!	
64203 VIC	20403S		644023 GERL	415027!		64550001 DANA	JX1238=		648008XX TIMKE	64X80X8	
64203S TROS	8940S		64402S TROS	8610		64551 EATON	410737!		648029 CATER	471734	
64209 VIC	41461S		64405 VIC	353137		64553 VIC	370021A		648029 TMTR	417134	
6421 C-R	16X30X7V!		64405 VIC	473424		64558 VIC	370047A		6481 C-R	16X40X7	
6421 C-R	481528		644071 MANT	J1121		64560 VIC	481181!		648149 GMC	412119!	
64210 VIC	323133		644119 GERL	472924!		64561 VIC	370046A		6481S TIMKE	6481S	

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
6482134	DURA	470954!	65-00342	VERA	470487!	65-03137	VERA	1939	6500821	VERA	44X72X10!
64853210	TROS	416107!	65-00409	VERA	1956	65-03228	VERA	1990	6500854	VERA	55X82X12!
64853210	TROS	455073	65-00417	VERA	228010	65-03426	VERA	2016	6500870	VERA	227550
648620	ALLCH	416345!	65-00433	VERA	222242	65-03434	VERA	334111	6500870	VERA	75X100X12!
648620	ALLCH	455033	65-00441	VERA	1165	65-03442	VERA	2003N!	6500888	VERA	1955
6487	HYST	416865!	65-00466	VERA	223535	65-03459	VERA	444116	6500888	VERA	52X65X9!
64895HA	IH	412871!	65-00482	VERA	223014	65-03467	VERA	1985	6500896	VERA	225020
649010A	HARWA	64X90X13	65-00508	VERA	226480	65-03475	VERA	1986	6500896	VERA	50X68X8!
64901S	TROS	8750S	65-00516	VERA	1962	65-03509	VERA	225540	6500904	VERA	224820
649020	CATER	472705!	65-00532	VERA	1195	65-03558	VERA	494123	6500904	VERA	48X62X8!
649266	ALLCH	415995!	65-00565	VERA	32X58X8!	65-03582	VERA	224015	6500946	VERA	1187
649299R91	IH	415697!	65-00615	VERA	1188	65-03616	VERA	415984!	6500946	VERA	47X68X10!
649299R91	IH	455547	65-00631	VERA	494122	65-03673	VERA	223035	6500953	VERA	1012
649352	WILYS	473228	65-00664	VERA	1192	65-03715	VERA	482126	6500953	VERA	1012N
64935D	IH	455005	65-00722	VERA	1974	65-03798	VERA	710060	6500979	VERA	1213N
649406	CATER	416043	65-00839	VERA	471224!	65-03814	VERA	224025	6501	ALOY	5123
649463-1	SPICE	450040	65-00862	VERA	228010	65-03822	VERA	1960	65010	C-R	416229
649463-2	SPICE	473238	65-00920	VERA	1996	65-03830	VERA	474134	6501000	VERA	1181
649463-3	SPICE	413247!	65-01042	VERA	471224!	65-04050	VERA	1987	6501000	VERA	41X56X7!
649463-4	SPICE	415449!	65-01067	VERA	480630!	65-04068	VERA	225220	6501018	VERA	1181
649463-5	SPICE	415379	65-01083	VERA	472397!	65-04100	VERA	5696	6501018	VERA	41X56X7!
649463-5	SPICE	415379!	65-01091	VERA	1959	65-04142	VERA	5695	6501026	VERA	224015
649463-6	SPICE	471692!	65-01125	VERA	1950	65-04258	VERA	471870!	6501026	VERA	40X52X7!
6494G	P-C	TC545472	65-01133	VERA	224015	65-04266	VERA	1937	6501034	VERA	224015
6494LA	JN-MN	473245!	65-01141	VERA	1176	65-04274	VERA	494117	6501034	VERA	40X52X7!
649574	GMC	481163!	65-01185	VERA	2002	65-04282	VERA	1952	65011	C-R	416229
649591	GMC	417505	65-01216	VERA	470898	65-04290	VERA	413818	6501103	VERA	224560
6495S	NATL	455566	65-01265	VERA	473234!	65-04308	VERA	1949	6501103	VERA	45X68X7!
64992	C-R	415294!	65-01281	VERA	1177	65-04431	VERA	225650	6501109	VERA	224560
64993	C-R	415294!*	65-01315	VERA	1960	6500	NATL	471829	6501109	VERA	45X68X7!
64994	C-R	415294!*	65-01398	VERA	224252	65000	C-R	415294!	6501117	VERA	1180
64995	C-R	415294!*	65-01430	VERA	1196	6500011	VERA	1213N	6501117	VERA	41X55X7!
6499SS	JN-MN	254287	65-01455	VERA	3698	6500037	VERA	1994	6501158	VERA	223010
64SD-53	IG-RA	417316!	65-01463	VERA	472164!	6500037	VERA	48X70X9!	6501158	VERA	30X42X7!
64X3921	GARLK	417601*	65-01513	VERA	1984	65000U	TRISL	370048A	6501208	VERA	224835
64X3926	GARLK	417602!*	65-01588	VERA	473234!	65000U	TRISL	380048A	6501208	VERA	48X68X10!
64X3938	GARLK	417604*	65-01612	VERA	473228!	65001	VIC	350364	6501224	VERA	451948
64X3944	GARLK	417567*	65-01638	VERA	1183	6500136	VERA	1012	6501273	VERA	223840
64X3952	GARLK	415128*	65-01679	VERA	2002	6500136	VERA	1012N	6501273	VERA	38X58X8!
64X3953	GARLK	455129*	65-01711	VERA	1873	6500136	VERA	45X62X8!	6501299	VERA	223840
64X3954	GARLK	455462*	65-01745	VERA	471195!	6500169	VERA	222510	6501299	VERA	38X58X8!
64X3955	GARLK	415090*	65-01778	VERA	1967	6500169	VERA	25X35X7!	6501307	VERA	223542
64X3962	GARLK	55218!*	65-01786	VERA	1209	6500193	VERA	224520	6501307	VERA	35X55X11!
64X3968	GARLK	415219*	65-01794	VERA	3771	6500193	VERA	45X60X10!	6501364	VERA	472258!
64X3984	GARLK	417606*	65-01802	VERA	1981	65002	C-R	415294!	6501414	VERA	224835
64X3985	GARLK	55078S*	65-01893	VERA	471224!	6500201	VERA	1174	6501414	VERA	48X68X10!
64X3997	GARLK	417020*	65-01943	VERA	224320	6500201	VERA	38X52X8.5!	6501547	VERA	1012
64X3998	GARLK	417020*	65-01984	VERA	1097N	6500284	VERA	225230	6501547	VERA	1012N
64X4009	GARLK	417570*	65-01992	VERA	472164	6500284	VERA	52X72X8!	6501554	VERA	226020
64X4011	GARLK	457997	65-02015	VERA	472397!	6500318	VERA	1953	6501554	VERA	60X80X8!
64X4017	GARLK	415227!*	65-02043	VERA	24X35X7	6500318	VERA	42X60X7!	6501570	VERA	224820
64X4031	GARLK	55228!*	65-02049	VERA	24X35X7	6500326	VERA	471289=	6501570	VERA	48X62X8!
64X4036	GARLK	415482*	65-02155	VERA	223620	6500326	VERA	473230	6501646	VERA	1174
64X4057	GARLK	415077	65-02189	VERA	472213	6500557	VERA	223555	6501646	VERA	38X52X8.5!
64X4063	GARLK	415076*	65-02239	VERA	471870!	6500557	VERA	35X64X8!	6501703	VERA	224820
64X4072	GARLK	417608	65-02288	VERA	228010	6500581	VERA	472287!	6501752	VERA	1208
64X4499	GARLK	415124*	65-02395	VERA	471224!	6500599	VERA	224045	6501752	VERA	48X72X7!
64X4500	GARLK	417022*	65-02429	VERA	5778	6500599	VERA	40X62X12!	6501810	VERA	473238
64X4610	GARLK	415871	65-02486	VERA	1110	6500623	VERA	1973	6501919	VERA	350936
64X80X8	FORSH	64X80X8	65-02650	VERA	222242	6500623	VERA	48X65X10!	6501950	VERA	223830
64X80X8	SIMRT	64X80X8	65-02817	VERA	203006!	6500706	VERA	1174	6501950	VERA	38X55X7!
64X80X8SC	TRSCM	64X80X8	65-02858	VERA	474134	6500706	VERA	38X52X8.5!	6501SS	JN-MN	350156
64X80X8TC	TRSCM	64X80X8	65-02882	VERA	1938	6500714	VERA	1012	6501SS	JN-MN	473096
64X90X13	SIMRT	64X90X13	65-02890	VERA	1943	6500714	VERA	1012N	6502023	VERA	224235
65-00029	VERA	473823	65-02900	VERA	494117	6500714	VERA	45X62X8!	6502064	VERA	1969
65-00052	VERA	1167	65-02908	VERA	494117	6500763	VERA	224270	6502064	VERA	48X63X9!
65-00060	VERA	1173	65-03020	VERA	3771	6500763	VERA	42X72X10!	6502080	VERA	451857
65-00094	VERA	223014	65-03038	VERA	3771	6500771	VERA	224045	65021	C-R	416229*
65-00250	VERA	471192	65-03087	VERA	3476	6500771	VERA	40X62X12!	6502148	VERA	224025
65-00268	VERA	471766!	65-03103	VERA	1949	6500789	VERA	223542	6502148	VERA	24X35X7!
65-00300	VERA	473367	65-03111	VERA	473812	6500789	VERA	35X55X11!	6502171	VERA	1994
65-00334	VERA	1952	65-03129	VERA	473179!	6500821	VERA	224470	6502171	VERA	48X70X9!

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6502197	VERA	227040	65035	C-R	416229	65103S	TROS	8975S	6534EL	SUL	417487
6502197	VERA	70X90X10!	6503574	VERA	225005	65105	SHOV	455197N	65350	DENCO	415045!
65022	VIC	9845	6503574	VERA	50X62X7!	65111U	TRISL	370047A	65360S	TROS	7687S
6502270	VERA	2001	65036	C-R	416229*	65118	ALLCH	471689!	653632R91	IH	205017
6502270	VERA	60X82X12!	65037	C-R	416229*	651193R91	IH	204038	65380	VIC	471763
6502296	VERA	2001	6503731	VERA	225020	65120	AT SU	9406S	65382	VIC	340356*
6502296	VERA	60X82X12!	6503731	VERA	50X68X8!	65121S	TROS	9339S	6538LA	JN-MN	416154!
6502346	VERA	471785!	6503749	VERA	1945	651246	ALLCH	451583!	6538LPD	JN-MN	416154!
6502361	VERA	227040	6503749	VERA	228480	65126	VIC	470954!	654	C-R	5M867
6502361	VERA	70X90X10!	65038	C-R	416229	651266	WHITE	473205	65402S	TROS	411330!
65025	C-R	416229	65039	HYST	471765!	651299	ALLCH	415483	654084C91	IH	410524
6502502	VERA	1174	6504	ALOY	9406S	6513499	CLARK	472409!	6541	C-R	481537
6502502	VERA	38X52X8.5!	6504	HYST	415458!	6515000	CLARK	40301S	65418C1	IH	471765!
6502528	VERA	1174	6504001	VERA	1213N	65152U	TRISL	370023A	65441D	IH	471649!
6502528	VERA	38X52X8.5!	6504118	VERA	1180	65165U	TRISL	370005A	65446	VIC	323138!*
6502569	VERA	1012	6504118	VERA	41X55X7!	65170	VIC	471787!	6545	TIMKE	480630
6502569	VERA	1012N	6504126	VERA	1994	651725	CHRYSS	5797	654674R91	IH	200885
6502569	VERA	45X62X8!	6504126	VERA	48X70X9!	65172U	TRISL	370021A	654686	GMC	370012A
6502577	VERA	224045	6504159	VERA	1180	65179R91	IH	415697!	654687	GMC	370021A
6502577	VERA	40X62X12!	6504159	VERA	41X55X7!	65179R91	IH	455547	6546LA	JN-MN	417349
65025SF	VIC	710163	650426	C-R	455614	65184U	TRISL	370019A	6547	SHEP	473229
65026	C-R	416229*	6505	C-R	417541	6519	ALOY	9449	6547	TIMKE	6547
6502643	VERA	224045	65051	VIC	1041	6519	SPG	410708	6547LA	JN-MN	415034!
6502643	VERA	40X62X12!	650510	C-R	417550	65191	VIC	340413	6548	SHEP	472397!
6502668	VERA	224045	650512	C-R	455576!	65193	VIC	471267!	654805	ALLCH	417355!
6502668	VERA	40X62X12!	650516	C-R	417254	65201S	TROS	8835S	6548LA	JN-MN	471835!
6502676	VERA	224045	65054	C-R	417547	65202	TROS	8940S	6550	C-R	481537
6502676	VERA	40X62X12!	65055	EATON	415483	6521	ALOY	8940S	65501S	TROS	9449
65027	TRISL	370106A	65056T8	C-R	417548	6521	C-R	481528	65512	DURA	7994S
65027U	TRISL	370106A	65056U	TRISL	370003A	652255R91	IH	204017	65520S	TROS	470687
6502825	VERA	1188	65056W+67094J	TRISL	370003A	6522S	TIMKE	6522S	6554	C-R	481073
6502825	VERA	224820	65058	C-R	415645!	65242	VIC	240414*	65546	VIC	323138!*
6502825	VERA	48X62X8!	65058	C-R	455104	65245	VIC	471224!	65549AX	OSHKO	417082
6502833	VERA	1955	65058	CABOT	415645!	6525	ALOY	473179	65549HX	OSHKO	417082
6502833	VERA	52X65X9!	65058	CABOT	455104	6525007	GMC	474278* =	6555	C-R	481073
6502866	VERA	225010	65058	FAIRB	415645!	6526	C-R	481528	655512	CONCA	415991
6502866	VERA	50X65X8!	65058	FAIRB	455104	65261U	TRISL	370036A	655512	CONCA	455146!
6502874	VERA	225110	65058	GR-DV	415645!	65261U	TRISL	370349A	6556	C-R	481073
6502874	VERA	51X65X7!	65058	GR-DV	455104	65261W+67013J	TRISL	370036A	655619	ALLCH	471192=
6502916	VERA	1012	65058K	CHRYSS	415645!	65261W+67013J	TRISL	370349A	65566	AM WH	471391!
6502916	VERA	1012N	65058K	CHRYSS	455104	65261W+67013J	TRISL	380036A	6558693	CLARK	J1122
6502932	VERA	225005	65058M1	C-R	415645!	65262U	TRISL	370065A	65589	WAUKE	415025
6502932	VERA	50X62X7!	65058M1	C-R	455104	65262W+67023J	TRISL	370065A	6558963	CLARK	J1122
6502940	VERA	226285	6505Q6	C-R	417541	65262W+67023J	TRISL	380065A	6558R	JN-MN	473227
6502940	VERA	62X85X8!	65060U	TRISL	386025A	65263	TROS	6638S	6559R	JN-MN	471820*
6502946	VERA	226285	65060U	TRISL	416158	65263U	TRISL	370001A	6560	C-R	481073*
6502946	VERA	62X85X8!	65060W+67048J	TRISL	386025A	652656	CLARK	470625!	65600D	IH	417539!
6502957	VERA	223605	65060W+67048J	TRISL	416158	65269W+67009J	TRISL	370121A	65601S	TROS	3945
6502957	VERA	36X50X7!	65061	AMC	473446	65270U	TRISL	416892	6561	C-R	481073*
6502973	VERA	223275	65064	AMC	473446	65270W+67093J	TRISL	416892	656115	Y-T	471466!
6502973	VERA	32X56X10!	65065W+67094J	TRISL	370005A	65275U	TRISL	370033A	65628	CINMI	470682
65030	C-R	416229	6506SS	JN-MN	471192*	652769R91	IH	204017	6564	C-R	481073
6503095	VERA	716102	6507	SPG	6356	65279W+67093J	TRISL	416892	65646	VIC	40183S!
6503095	VERA	85X105X10!	65071U	TRISL	415058	6528	SPG	474255	6564S	SPG	415449!
65030U	TRISL	370069A	65072W+67093J	TRISL	370021A	6528LA	JN-MN	470774!	656520	GMC	474276
65030U	TRISL	380069A	65073W+67036J	TRISL	370002A	65294U	TRISL	370033A	6565N	TIMKE	455134
65030W+67067J	TRISL	370069A	65073W+67047J	TRISL	370029A	65298U	TRISL	370037A	65682	OLIVE	450341
65030W+67067J	TRISL	380069A	650760	ALLCH	471271=	65298U	TRISL	370338A	65698R91	IH	455008
6503145	VERA	224520	650773	WHITE	417254	6530R	JN-MN	455576!*	656W228-L	C-R	5403
6503145	VERA	45X60X10!	650773A3	DIA	417254	65312	VIC	340815	6570	ACF	415035
650328	CHRYSS	473450!	65078U	TRISL	370131A	65314	VIC	472560N	6570	ACF	415035!
6503319	VERA	1994	650794	ALLCH	470954!	6531SS	JN-MN	471567!	6570	C-R	240023
6503319	VERA	48X70X9!	65082D	IH	456105	6532R	JN-MN	472150*	6570	HYST	415035
6503327	VERA	228020	65085	C-R	457131N=	653337	GWI	471737=	6570	HYST	415035!
6503327	VERA	80X105X13!	65085D	IH	456105	6533EL	SUL	415991	6570LPD	JN-MN	471558
6503335	VERA	224020	650893	WHITE	455500	6533EL	SUL	455146!	657206	ALLCH	472924!
6503335	VERA	40X55X8!	65096	VIC	471466	6533LA	JN-MN	417555!*	6573S	SPG	416888!
6503373	VERA	227020	6509LA	JN-MN	473232	6533LPD	JN-MN	417555!	657516R91	IH	471141!
6503373	VERA	70X88X8!	650D5	WHITE	416282	65340S	TROS	8695S	6575S	TIMKE	6575S
6503376	VERA	225020	650HA516-L	C-R	5473	65343	DENCO	415058	657605	CLARK	413469!
6503376	VERA	50X68X8!	65102S	TROS	8974S	653432R91	IH	204017	657606	CLARK	417073
65034	C-R	416229	65103	SHOV	416144	65349	DENCO	416706!	657607	CLARK	411253!

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657608	CLARK	410102	659109R91	IH	471785!	65972	FWD	417349	65X1125	GARLK	450279
657609	CLARK	470682	65911	FWD	450313	65973	FWD	55030	65X1129	GARLK	472144!
657610	CLARK	472636!	659110R91	IH	412473!	65977	AM WH	417171!	65X113	GARLK	471553!
657611	CLARK	473447	659111R91	IH	471141!	6597S	TIMKE	6597S	65X1130	GARLK	472144!
657612	CLARK	417498	659112R91	IH	470682	65982	FWD	417316!	65X1131	GARLK	472144!*
657613	CLARK	415449!	659113R91	IH	471424!	65982	JOHND	417316!	65X1132	GARLK	473460
657614	CLARK	415995!	659114R91	IH	473229	65983	FWD	416149	65X1133	GARLK	473460
657615	CLARK	476470	659115R91	IH	471466!	65983R91	IH	330385!	65X1134	GARLK	473460
657616	CLARK	473242	659116R91	IH	471785!	65986	FWD	415303!	65X1135	GARLK	472394*
657617	CLARK	473245!	659118R91	IH	471141!	65990	FWD	470898!	65X1136	GARLK	472394*
65762	CLARK	450497=	659124R91	IH	471192	659900R91	IH	455480!	65X1137	GARLK	472394
657621	CLARK	415960!	659125R91	IH	416956	659909R91	IH	417604	65X1138	GARLK	473461!*
657622	CLARK	415007	65913	FWD	412253!	65992	FWD	412119!	65X1139	GARLK	473461!*
657623	CLARK	472179	65914	FWD	411376!	65993	FWD	472070	65X114	GARLK	471553!
657624	CLARK	416891!	65914	OLIVE	411376!	65994	FWD	481864	65X1140	GARLK	473461!
657625	CLARK	412119!	65916	FWD	415984!	65995	FWD	416865!	65X1141	GARLK	471391!*
657627	CLARK	450497=	65917	FWD	418028	65996	FWD	481864	65X1142	GARLK	471391!*
657628	CLARK	456105	65917	FWD	455137!	65998	FWD	471649!	65X1143	GARLK	471391!
657629	CLARK	471272!	65918	FWD	415991	65W1	WHITE	412473!	65X1147	GARLK	473462
657630	CLARK	415991	65918	FWD	455146!	65X100	GARLK	481537	65X1148	GARLK	473462
657630	CLARK	455146!	65919	FWD	415991	65X10007XX	TIMKE	65X100X7	65X1149	GARLK	473462
657810	GMC	417506	65919	FWD	455146!	65X10010XX	TIMKE	65X100X10	65X115	GARLK	471579
657811	GMC	417505	65920	FWD	415379	65X1003	GARLK	451993=	65X1150	GARLK	450472!*
657812	GMC	370019A	65920	FWD	415379!	65X1004	GARLK	451993=	65X1151	GARLK	450472!*
657813	GMC	370021A	65921	FWD	415023	65X1005	GARLK	451993=	65X1152	GARLK	450472!
657814	GMC	370005A	65921	OLIVE	415023	65X100X10SC	TRSCM	65X100X10	65X116	GARLK	471579*
657815	GMC	370007A	65922	FWD	416339	65X100X10TC	TRSCM	65X100X10	65X1162	GARLK	450474*
6580	C-R	481397*	65922	FWD	455031!	65X100X7	ISP	65X100X7*	65X1163	GARLK	450474*
658008A	HARWA	65X80X8	65923	FWD	415150!	65X1042	GARLK	472439*	65X1164	GARLK	450474*
658008XX	TIMKE	65X80X8	65924	FWD	472157!	65X1043	GARLK	472439*	65X1165	GARLK	50528*
6580AS	HERCU	470712	65924	FWD	472157	65X1044	GARLK	472439	65X1166	GARLK	50528*
658114	ALLCH	415449	65925	FWD	415263	65X1045	GARLK	471868	65X1167	GARLK	50528
658137R91	IH	416956	659258	WHITE	473226	65X1047	GARLK	471868	65X1186	GARLK	471870!
6582LA	JN-MN	417512	65926	FWD	416125!	65X1048	GARLK	472572!	65X1187	GARLK	471870!
6582LUP	JN-MN	417512	65926	OLIVE	254270	65X1049	GARLK	472572!	65X1188	GARLK	471870!
6584	ALOY	473234	65927	FWD	415725!	65X1050	GARLK	472572!	65X1189	GARLK	472492!
6584	ALOY	7300S	65928	FWD	50405	65X1051	GARLK	473179!	65X1190	GARLK	472492!
6584S	TIMKE	418028	65930	FWD	417344!	65X1052	GARLK	473179!	65X1191	GARLK	472492!
6585	ALOY	2043	65931	FWD	472234	65X1053	GARLK	473179!	65X1198	GARLK	472924!
658508XX	TIMKE	65X85X8	65933	FWD	415027	65X1054	GARLK	414045!*	65X1199	GARLK	472924!
658510XX	TIMKE	65X85X10	65933	FWD	415027!	65X1055	GARLK	414045!*	65X1200	GARLK	472924!
6585R	JN-MN	417546!	65934	FWD	417191	65X1056	GARLK	414045!*	65X1201	GARLK	470530!
658650R91	IH	471424!	65934	FWD	455165!	65X1057	GARLK	473238	65X1202	GARLK	470530!
658651R91	IH	470682	65940	FWD	411394!	65X1058	GARLK	473238	65X1203	GARLK	470530!
658745	CLARK	415254	65941	FWD	412040	65X1059	GARLK	473238!	65X1204	GARLK	472397!
6588	ALOY	8139	65942	FWD	415302	65X1060	GARLK	450084!	65X1205	GARLK	472397!
658808XX	TIMKE	65X88X8	65943	FWD	455005	65X1062	GARLK	450084!	65X1206	GARLK	472397!
658810XX	TIMKE	65X88X10	65944	FWD	476470	65X1063	GARLK	473239	65X1207	GARLK	473463*
6588LA	JN-MN	417269!	65946	FWD	415045!	65X1064	GARLK	473239	65X1208	GARLK	473463
658942	ALLCH	476470!	65948	FWD	416706!	65X1065	GARLK	473239	65X1209	GARLK	473463
6589428	ALLCH	476470!	65948	OLIVE	416706!	65X1066	GARLK	473457!*	65X121	GARLK	470506!
6589428	ALLCH	476470	65950	FWD	415234!	65X1067	GARLK	473457!*	65X1210	GARLK	473242*
659007XX	TIMKE	65X90X7	659507XX	TIMKE	65X95X7	65X1068	GARLK	473457!	65X1211	GARLK	473242*
659008	EATON	J1115	65952	FWD	472394	65X1069	GARLK	473240!*	65X1212	GARLK	473242
659009	EATON	J1124	65953	FWD	481163!	65X1070	GARLK	473240!*	65X1216	GARLK	473464!
659009	Y-T	J1124	65955	FWD	455203	65X1071	GARLK	473240!	65X1216	GARLK	473464
65901	FWD	471224!	65955	OLIVE	455203	65X1075	GARLK	473458!*	65X1217	GARLK	473464!
659010	EATON	J1130	65958	FWD	473467!	65X1076	GARLK	473458!	65X1217	GARLK	473464
659010	Y-T	J1130	65959	FWD	455249!	65X1077	GARLK	473458!*	65X1218	GARLK	473464!
659010XX	TIMKE	65X90X10	6596	ALOY	1192	65X109	GARLK	471529	65X1218	GARLK	473464
659013XX	TIMKE	65X90X13	659606	CLARK	415027	65X110	GARLK	471529	65X122	GARLK	470506!
65902	FWD	416271!	659606	CLARK	415027!	65X111	GARLK	471538!*	65X124	GARLK	50026*
65904	FWD	472164!	65961	TROS	412725	65X1114	GARLK	472319	65X1252	GARLK	451948
65905	FWD	471870!	65963	FWD	412040	65X1115	GARLK	472319	65X1253	GARLK	451948
65906	FWD	472572!	65964	FWD	471272!	65X1116	GARLK	472319	65X1254	GARLK	451948*
65907	FWD	470898!	65966	FWD	473450	65X1117	GARLK	473459	65X1255	GARLK	473466
65908	FWD	50191	659675	CLARK	471689!	65X1118	GARLK	473459	65X1257	GARLK	473466
65908F	DIA	5406	659675R91	IH	414045!	65X1119	GARLK	473459	65X1258	GARLK	472012*
6590S	TIMKE	6590S	65970	FWD	323138!	65X112	GARLK	471538!	65X1259	GARLK	472012*
65910	FWD	473475	65971	FWD	418028	65X1120	GARLK	473241	65X1260	GARLK	472012
659107R91	IH	471192	65971	FWD	455137!	65X1121	GARLK	473241	65X1261	GARLK	450307*
659108R91	IH	473229	659710R91	IH	412119!	65X1122	GARLK	473241	65X1262	GARLK	450307*

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
65X1263	GARLK	450307	65X1426	GARLK	413472	65X1641	GARLK	473474	65X1825	GARLK	416273!
65X1264	GARLK	450311*	65X1428	GARLK	413472	65X1642	GARLK	470565!	65X1826	GARLK	416273!
65X1265	GARLK	450311*	65X143	GARLK	471567!	65X1643	GARLK	470565!	65X1827	GARLK	416273!
65X1266	GARLK	450311	65X1432	GARLK	416268	65X1644	GARLK	470565!	65X1828	GARLK	455079!*
65X1270	GARLK	416738!	65X1434	GARLK	416268	65X1648	GARLK	473475*	65X1829	GARLK	455079!*
65X1270	GARLK	450096	65X144	GARLK	471567!	65X1649	GARLK	473475	65X1830	GARLK	455079!
65X1271	GARLK	416738!	65X145	GARLK	471498*	65X1650	GARLK	473475*	65X1831	GARLK	415082
65X1271	GARLK	450096	65X146	GARLK	471498	65X1654	GARLK	413246	65X1832	GARLK	415082*
65X1272	GARLK	416738!	65X147	GARLK	471643!	65X1655	GARLK	413246	65X1833	GARLK	415082*
65X1272	GARLK	450096	65X1471	GARLK	471341!	65X1656	GARLK	413246	65X1834	GARLK	455655!*
65X1276	GARLK	450313	65X1472	GARLK	471341!	65X1657	GARLK	412119!	65X1835	GARLK	455655!*
65X1278	GARLK	450313	65X1473	GARLK	471341!	65X1658	GARLK	412119!	65X1836	GARLK	455655!*
65X1279	GARLK	450532	65X1474	GARLK	471272!	65X1659	GARLK	412119!	65X1927	GARLK	412871!
65X1280	GARLK	450532*	65X1475	GARLK	471272!	65X1660	GARLK	413247!	65X1930	GARLK	412871!
65X1281	GARLK	450532*	65X1476	GARLK	471272!	65X1661	GARLK	413247!	65X1931	GARLK	412871!
65X13	GARLK	330385!	65X1477	GARLK	473473*	65X1662	GARLK	413247!	65X1932	GARLK	412871!
65X1321	GARLK	470898	65X1478	GARLK	473473	65X1663	GARLK	410987!	65X1933	GARLK	413248
65X1322	GARLK	470898	65X1479	GARLK	473473	65X1664	GARLK	410987!	65X1934	GARLK	413248
65X1323	GARLK	470898	65X1480	GARLK	471138!	65X1665	GARLK	410987!	65X1935	GARLK	413248
65X1324	GARLK	473467	65X1481	GARLK	471138!	65X1666	GARLK	416271!*	65X1936	GARLK	450412*
65X1326	GARLK	473467	65X1482	GARLK	471138!	65X1667	GARLK	416271!*	65X1937	GARLK	450412*
65X1327	GARLK	472015!	65X1486	GARLK	410737!	65X1668	GARLK	416271!*	65X1938	GARLK	450412
65X1328	GARLK	472015!	65X1487	GARLK	410737!	65X1672	GARLK	410825	65X1939	GARLK	415483!
65X1329	GARLK	472015!	65X1488	GARLK	410737!	65X1673	GARLK	410825	65X1940	GARLK	415483!
65X1330	GARLK	410308!	65X1492	GARLK	472636!	65X1674	GARLK	410825*	65X1941	GARLK	415483!
65X1331	GARLK	410308!	65X1493	GARLK	472636!	65X1675	GARLK	416071*	65X1945	GARLK	415458!
65X1332	GARLK	410308!	65X1494	GARLK	472636!	65X1676	GARLK	416071*	65X1946	GARLK	415458!
65X1333	GARLK	472016*	65X1495	GARLK	411253!	65X1677	GARLK	416071	65X1947	GARLK	415458!
65X1334	GARLK	472016*	65X1496	GARLK	411253!	65X1678	GARLK	417480!	65X1948	GARLK	417343!*
65X1335	GARLK	472016	65X1497	GARLK	411253!	65X1679	GARLK	417480!	65X1949	GARLK	417343!*
65X1339	GARLK	472409!	65X1498	GARLK	412920!	65X1680	GARLK	417480!	65X195	GARLK	473414*
65X1340	GARLK	472409!	65X1499	GARLK	412920!	65X17	GARLK	471103!	65X1950	GARLK	417343!
65X1341	GARLK	472409!	65X15	GARLK	350156	65X1723	GARLK	471887*	65X1951	GARLK	415007*
65X1345	GARLK	473243	65X15	GARLK	473096	65X1724	GARLK	471887*	65X1952	GARLK	415007*
65X1346	GARLK	473243	65X150	GARLK	471684!	65X1725	GARLK	471887	65X1953	GARLK	415007*
65X1347	GARLK	473243	65X1500	GARLK	412920!	65X1735	GARLK	412040*	65X1954	GARLK	417082*
65X1348	GARLK	413469!*	65X1501	GARLK	455136*	65X1736	GARLK	412040*	65X1955	GARLK	417082*
65X1349	GARLK	413469!*	65X1502	GARLK	455136*	65X1737	GARLK	412040	65X1956	GARLK	417082*
65X1350	GARLK	413469!*	65X1503	GARLK	455136	65X1738	GARLK	411500*	65X196	GARLK	473414*
65X1357	GARLK	416267!*	65X1504	GARLK	411376!	65X1739	GARLK	411500*	65X199	GARLK	473414*
65X1358	GARLK	416267!*	65X1505	GARLK	411376!	65X1740	GARLK	411500*	65X1993	GARLK	455434*
65X1359	GARLK	416267!	65X1506	GARLK	411376!	65X1741	GARLK	413478*	65X1994	GARLK	455434*
65X1368	GARLK	473214	65X151	GARLK	450033*	65X1742	GARLK	413478*	65X1995	GARLK	455434
65X1378	GARLK	450621*	65X152	GARLK	450033	65X1743	GARLK	413478*	65X200	GARLK	473414*
65X1379	GARLK	450621	65X153	GARLK	470390*	65X1744	GARLK	450104*	65X2002	GARLK	455151
65X1380	GARLK	450621*	65X154	GARLK	470390	65X1745	GARLK	450104*	65X2003	GARLK	455151*
65X1384	GARLK	450869*	65X155	GARLK	473407*	65X1746	GARLK	450104	65X2004	GARLK	455151
65X1385	GARLK	450869*	65X156	GARLK	473407	65X1747	GARLK	411245!	65X2005	GARLK	455008*
65X1386	GARLK	450869*	65X1561	GARLK	472150*	65X1748	GARLK	411245!	65X2006	GARLK	455008*
65X1399	GARLK	473244	65X1562	GARLK	472150*	65X1749	GARLK	411245!	65X2007	GARLK	455008*
65X14	GARLK	330385!	65X1563	GARLK	472150	65X1750	GARLK	417073*	65X203	GARLK	473415*
65X1400	GARLK	473244	65X1573	GARLK	411394!	65X1751	GARLK	417073*	65X2032	GARLK	480491*
65X1401	GARLK	473244	65X1574	GARLK	411394!	65X1752	GARLK	417073	65X2033	GARLK	480491*
65X1402	GARLK	472018	65X1575	GARLK	411394!	65X1774	GARLK	50560*	65X2034	GARLK	480491
65X1403	GARLK	472018	65X1576	GARLK	410694!*	65X18	GARLK	471103!	65X2035	GARLK	416664!
65X1404	GARLK	472018*	65X1577	GARLK	410694!*	65X1801	GARLK	472029*	65X2036	GARLK	416664!
65X1405	GARLK	473471*	65X1578	GARLK	410694!*	65X1802	GARLK	472029*	65X2037	GARLK	416664!
65X1406	GARLK	473471	65X1580	GARLK	450133*	65X1803	GARLK	472029*	65X2038	GARLK	417484!
65X1407	GARLK	473471*	65X1581	GARLK	450133*	65X1807	GARLK	471271!	65X2039	GARLK	417484!
65X1408	GARLK	472020*	65X1585	GARLK	416444*	65X1808	GARLK	471271!	65X204	GARLK	473415
65X1409	GARLK	472020*	65X1586	GARLK	416444*	65X1809	GARLK	471271!	65X2040	GARLK	417484!
65X1410	GARLK	472020*	65X1587	GARLK	416444	65X1810	GARLK	410496!	65X2041	GARLK	415984!*
65X1414	GARLK	470354*	65X1588	GARLK	455647=	65X1811	GARLK	410496!	65X2042	GARLK	415984!*
65X1415	GARLK	470354	65X1589	GARLK	455647=	65X1812	GARLK	410496!	65X2043	GARLK	415984!*
65X1416	GARLK	470354*	65X1590	GARLK	455647=	65X1813	GARLK	470605!*	65X2044	GARLK	417316!
65X142	GARLK	471554!	65X1594	GARLK	455321*	65X1815	GARLK	470605!*	65X2045	GARLK	417316!
65X1420	GARLK	473245!*	65X1595	GARLK	455321*	65X1819	GARLK	415449!	65X2046	GARLK	417316!
65X1421	GARLK	473245!*	65X1596	GARLK	455321	65X1820	GARLK	415449!	65X2047	GARLK	415960
65X1422	GARLK	471504!	65X16	GARLK	350156	65X1821	GARLK	415449!	65X2048	GARLK	415960
65X1423	GARLK	412943	65X16	GARLK	473096	65X1822	GARLK	415001!	65X2049	GARLK	415960
65X1424	GARLK	412943	65X1639	GARLK	473474*	65X1823	GARLK	415001!	65X2050	GARLK	416706!
65X1425	GARLK	412943	65X1640	GARLK	473474*	65X1824	GARLK	415001!	65X2051	GARLK	416706!

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65X2052	GARLK	416706!	65X2273	GARLK	417181!	65X2462	GARLK	415379!	65X2664	GARLK	416891!
65X2115	GARLK	415303!*	65X2276	GARLK	418028	65X2464	GARLK	415379	65X2666	GARLK	416135!
65X2117	GARLK	415303!*	65X2276	GARLK	455137!	65X2464	GARLK	415379!	65X2669	GARLK	415045!*
65X2118	GARLK	417344!	65X2278	GARLK	418028	65X2465	GARLK	417205!	65X2671	GARLK	415045!*
65X2119	GARLK	417344!	65X2278	GARLK	455137!	65X2468	GARLK	416339	65X2675	GARLK	416137*
65X2120	GARLK	417344!	65X2279	GARLK	417353!	65X2470	GARLK	416339*	65X2678	GARLK	417518*
65X2121	GARLK	417158!	65X2282	GARLK	456305	65X2474	GARLK	415150!*	65X2681	GARLK	415058*
65X2122	GARLK	417158!	65X2284	GARLK	456305	65X2476	GARLK	415150!*	65X2684	GARLK	456141
65X2123	GARLK	417158!	65X2288	GARLK	415023	65X2477	GARLK	416127	65X2687	GARLK	455197N*
65X2124	GARLK	416921!	65X229	GARLK	470645*	65X2480	GARLK	417503*	65X2699	GARLK	416144
65X2125	GARLK	416921!	65X2294	GARLK	455328*	65X2501	GARLK	417211!	65X2705	GARLK	417238
65X2126	GARLK	416921!	65X230	GARLK	470645	65X2504	GARLK	416345!	65X2711	GARLK	415196!*
65X213	GARLK	417126!	65X2300	GARLK	415085!	65X2507	GARLK	415697!	65X2712	GARLK	415196!
65X214	GARLK	450398	65X2300	GARLK	456648	65X2507	GARLK	455547	65X2717	GARLK	415047*
65X214	GARLK	417126!	65X2312	GARLK	455024	65X251	GARLK	417151	65X2723	GARLK	416149*
65X2146	GARLK	416956*	65X2321	GARLK	412473!	65X2510	GARLK	417366!*	65X2729	GARLK	415060*
65X2147	GARLK	416956*	65X2323	GARLK	412473!	65X2513	GARLK	415958	65X2729	GARLK	455060*
65X2148	GARLK	416956	65X2324	GARLK	417191	65X2513	GARLK	415958!	65X2732	GARLK	55199*=
65X2149	GARLK	417159*	65X2324	GARLK	455165!	65X2516	GARLK	417505	65X2733	GARLK	55199=
65X215	GARLK	4171570!	65X2325	GARLK	417191	65X2519	GARLK	476470!	65X2738	GARLK	417525*
65X2150	GARLK	417159*	65X2325	GARLK	455165!	65X2519	GARLK	476470	65X2740	GARLK	417525*
65X2151	GARLK	417159*	65X2326	GARLK	417191	65X252	GARLK	417151*	65X2744	GARLK	417526*
65X2152	GARLK	416654!	65X2326	GARLK	455165!	65X2521	GARLK	476470!	65X2750	GARLK	415351!*
65X2153	GARLK	416654!	65X2327	GARLK	417354!*	65X2521	GARLK	476470	65X2753	GARLK	416888!
65X2154	GARLK	416654!	65X2329	GARLK	417354!	65X2525	GARLK	455191*	65X2754	GARLK	416888!
65X2155	GARLK	417486*	65X2330	GARLK	416321	65X2527	GARLK	455191*	65X2755	GARLK	416888!
65X2156	GARLK	417486*	65X2336	GARLK	415025*	65X2528	GARLK	415263	65X2756	GARLK	416153!
65X216	GARLK	4171570!*	65X2342	GARLK	416327	65X2531	GARLK	417506*	65X2759	GARLK	416892!
65X2168	GARLK	417349*	65X2345	GARLK	417492*	65X2537	GARLK	415035	65X2760	GARLK	416892!
65X2169	GARLK	417349*	65X2348	GARLK	417493*	65X2539	GARLK	415035	65X2761	GARLK	416892!
65X217	GARLK	4171633!*	65X2354	GARLK	417494*	65X2540	GARLK	417356!	65X2762	GARLK	417531*
65X2170	GARLK	417349*	65X2356	GARLK	417494	65X2540	GARLK	455188	65X2765	GARLK	416154!*
65X2171	GARLK	417350!	65X2357	GARLK	455026*	65X2541	GARLK	417356!	65X2766	GARLK	416154!*
65X2172	GARLK	417350!	65X2363	GARLK	455471*	65X2541	GARLK	455188	65X2767	GARLK	416154!
65X2173	GARLK	417350!	65X2365	GARLK	455471*	65X2543	GARLK	417357	65X2768	GARLK	416070*
65X2174	GARLK	415995!	65X2366	GARLK	415991	65X2543	GARLK	455192!	65X2771	GARLK	415351!
65X2175	GARLK	415995!	65X2366	GARLK	455146!	65X2544	GARLK	417357	65X2774	GARLK	417532*
65X2176	GARLK	415995!	65X2367	GARLK	415991	65X2544	GARLK	455192!	65X2780	GARLK	417533*
65X2177	GARLK	417351!	65X2367	GARLK	455146!	65X2546	GARLK	416130!	65X2786	GARLK	417534*
65X2178	GARLK	417351!	65X2368	GARLK	415991	65X2549	GARLK	415036*	65X2792	GARLK	457585*
65X218	GARLK	4171633!	65X2368	GARLK	455146!	65X255	GARLK	417164*	65X2801	GARLK	415371
65X2180	GARLK	417487!	65X2369	GARLK	417196!*	65X2550	GARLK	415036	65X2804	GARLK	455685*
65X2180	GARLK	417487	65X2371	GARLK	417196!	65X2552	GARLK	417507!	65X2807	GARLK	416158*
65X2182	GARLK	417487	65X2372	GARLK	415437	65X2552	GARLK	417507!	65X2809	GARLK	416158
65X2183	GARLK	417488!	65X2374	GARLK	415437!	65X2555	GARLK	415041*	65X2813	GARLK	415064*
65X219	GARLK	4171646!	65X2374	GARLK	415437	65X2556	GARLK	415041	65X2837	GARLK	415138!*
65X220	GARLK	4171646!	65X2375	GARLK	415437!	65X256	GARLK	417164*	65X2838	GARLK	415138!
65X221	GARLK	470590*	65X2375	GARLK	415437	65X2561	GARLK	417509*	65X2839	GARLK	415138!
65X222	GARLK	470590	65X2378	GARLK	415027	65X2567	GARLK	417223*	65X2840	GARLK	417538*
65X2225	GARLK	417621!	65X2380	GARLK	415027	65X2568	GARLK	417223	65X2843	GARLK	417247!
65X2226	GARLK	417621!	65X2381	GARLK	417495*	65X2569	GARLK	417223*	65X2845	GARLK	417247!
65X2228	GARLK	416288!	65X2384	GARLK	415559*	65X2573	GARLK	55193*=	65X2846	GARLK	417252*
65X223	GARLK	4171137*	65X2386	GARLK	415559	65X2579	GARLK	455037*	65X2849	GARLK	415066*
65X2231	GARLK	417171!	65X2390	GARLK	417496*	65X2600	GARLK	417511*	65X2873	GARLK	416167!
65X2234	GARLK	417172*	65X2392	GARLK	417496*	65X2603	GARLK	415142*	65X2875	GARLK	416167!
65X2236	GARLK	417172*	65X2393	GARLK	415711*	65X2605	GARLK	415142*	65X2876	GARLK	417267*
65X2237	GARLK	416297*	65X2396	GARLK	417497*	65X2609	GARLK	417512*	65X2879	GARLK	417269!
65X224	GARLK	4171137	65X2399	GARLK	417498*	65X2610	GARLK	417512	65X2881	GARLK	417269!
65X2246	GARLK	415021	65X2402	GARLK	55028*	65X2615	GARLK	415043*	65X2894	GARLK	417539!*
65X2249	GARLK	456105*	65X2417	GARLK	416332!	65X2621	GARLK	455203*	65X2900	GARLK	417273*
65X225	GARLK	4171730*	65X2419	GARLK	416332!	65X2627	GARLK	455056*	65X2901	GARLK	417273
65X2252	GARLK	417490*	65X2420	GARLK	415937!	65X2630	GARLK	455194*	65X2903	GARLK	417540*
65X2254	GARLK	417490	65X2423	GARLK	417355!	65X2636	GARLK	417513*	65X2915	GARLK	415725!
65X2255	GARLK	455336*	65X2426	GARLK	416125!	65X2642	GARLK	417514*	65X2917	GARLK	415725!
65X2257	GARLK	455336*	65X2432	GARLK	417499	65X2648	GARLK	417515*	65X2918	GARLK	417584*
65X226	GARLK	4171730	65X2435	GARLK	415832	65X2654	GARLK	417516*	65X2921	GARLK	416865!
65X2260	GARLK	6358	65X2441	GARLK	417501*	65X2657	GARLK	472157	65X2922	GARLK	416865!
65X2261	GARLK	417490	65X2447	GARLK	55030*	65X2657	GARLK	472157!	65X2923	GARLK	416865!
65X2267	GARLK	455022*	65X2450	GARLK	55646=	65X2659	GARLK	416556!	65X2924	GARLK	417278
65X2270	GARLK	476470	65X2453	GARLK	416670*	65X2659	GARLK	472157	65X2926	GARLK	417278
65X2271	GARLK	476470	65X2459	GARLK	417502*	65X2660	GARLK	415196!	65X2927	GARLK	417541
65X2272	GARLK	476470	65X2462	GARLK	415379	65X2663	GARLK	416891!	65X2929	GARLK	417541

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
65X2933	GARLK	417542*	65X35	GARLK	472810!	65X44	GARLK	320457	65X645	GARLK	470625!
65X2936	GARLK	417543*	65X3501	GARLK	416239!	65X440	GARLK	450165	65X646	GARLK	470059
65X2951	GARLK	417545*	65X3504	GARLK	417564*	65X440	GARLK	471801!	65X646	GARLK	470380!
65X2993	GARLK	417258*	65X351	GARLK	471652	65X441	GARLK	450165	65X647	GARLK	470059
65X2996	GARLK	417546!*	65X3518	GARLK	416044	65X441	GARLK	471801!	65X647	GARLK	470380!
65X2998	GARLK	417546!	65X352	GARLK	471652	65X442	GARLK	471808!*	65X648	GARLK	470059
65X2999	GARLK	417547*	65X3526	GARLK	415116*	65X443	GARLK	471808!*	65X648	GARLK	470380!
65X3001	GARLK	417547	65X3527	GARLK	415116	65X444	GARLK	471808!	65X649	GARLK	471820*
65X3032	GARLK	417548*	65X353	GARLK	471692!	65X445	GARLK	471818*	65X650	GARLK	471820*
65X3059	GARLK	417262!	65X354	GARLK	471692!	65X446	GARLK	471818*	65X651	GARLK	471820*
65X3065	GARLK	415645!	65X355	GARLK	476838!	65X447	GARLK	471818*	65X655	GARLK	473228
65X3065	GARLK	455104	65X356	GARLK	476838!	65X448	GARLK	470050*	65X656	GARLK	473228
65X3067	GARLK	415645!	65X357	GARLK	470712!	65X449	GARLK	470050	65X657	GARLK	473228
65X3067	GARLK	455104	65X358	GARLK	470712!	65X45	GARLK	470004!	65X658	GARLK	451857*
65X3071	GARLK	417549!*	65X359	GARLK	471763*	65X450	GARLK	470050*	65X659	GARLK	451857*
65X3122	GARLK	417551*	65X36	GARLK	472810!	65X451	GARLK	473424!*	65X660	GARLK	451857
65X3125	GARLK	455576!	65X360	GARLK	471763	65X452	GARLK	473424!	65X661	GARLK	470487!
65X3128	GARLK	415938*	65X361	GARLK	471785!	65X4584	GARLK	473197	65X663	GARLK	470487!
65X3130	GARLK	415938	65X362	GARLK	471785!	65X46	GARLK	470004!	65X664	GARLK	473440!*
65X3131	GARLK	417554!*	65X363	GARLK	471736	65X4677	GARLK	472560N!	65X665	GARLK	473440!*
65X3176	GARLK	417254*	65X364	GARLK	471736	65X49	GARLK	471442!	65X666	GARLK	473440!
65X3179	GARLK	417360	65X365	GARLK	473428*	65X50	GARLK	471442!	65X67	GARLK	471281!
65X3182	GARLK	416107!	65X366	GARLK	473428	65X51	GARLK	471526!	65X68	GARLK	471281!
65X3184	GARLK	416107!	65X367	GARLK	471764!	65X53	GARLK	471472!	65X69	GARLK	471535!*
65X3184	GARLK	455073	65X368	GARLK	471764!	65X535	GARLK	470774!	65X70	GARLK	471535!
65X3185	GARLK	417361	65X369	GARLK	473427*	65X536	GARLK	470774!	65X700	GARLK	472213
65X323	GARLK	471651	65X370	GARLK	473427	65X537	GARLK	470774!	65X701	GARLK	472213
65X324	GARLK	471651*	65X374	GARLK	450362*	65X538	GARLK	472287!*	65X702	GARLK	472213
65X325	GARLK	471705!	65X376	GARLK	450362*	65X539	GARLK	472287!*	65X703	GARLK	472299*
65X326	GARLK	471705!	65X377	GARLK	450600=	65X54	GARLK	471472!	65X704	GARLK	472299*
65X327	GARLK	473419	65X378	GARLK	450600=	65X540	GARLK	472287!*	65X705	GARLK	472299
65X3275	GARLK	417362!*	65X379	GARLK	450600=	65X541	GARLK	471192	65X706	GARLK	471821!
65X3278	GARLK	417363	65X383	GARLK	472475*	65X542	GARLK	471192	65X707	GARLK	471821!
65X328	GARLK	473419	65X384	GARLK	472475	65X543	GARLK	471192	65X708	GARLK	471821!
65X3281	GARLK	416666*	65X385	GARLK	473426	65X544	GARLK	473214	65X71	GARLK	471551!
65X3283	GARLK	416666	65X386	GARLK	473426	65X545	GARLK	473214	65X712	GARLK	473229
65X3284	GARLK	417364	65X3863	GARLK	350435	65X546	GARLK	473214	65X713	GARLK	473229
65X329	GARLK	471735*	65X387	GARLK	471765!	65X547	GARLK	473215!*	65X714	GARLK	473229
65X3293	GARLK	416039	65X3872	GARLK	471747!	65X548	GARLK	473215!*	65X715	GARLK	470682*
65X330	GARLK	471735	65X3873	GARLK	471747!	65X549	GARLK	473215!	65X716	GARLK	470682*
65X331	GARLK	450342	65X3876	GARLK	473425	65X55	GARLK	471549!	65X717	GARLK	470682
65X332	GARLK	450342	65X388	GARLK	471765!	65X550	GARLK	470950!	65X718	GARLK	471316
65X333	GARLK	471762!	65X3880	GARLK	471344*	65X550	GARLK	6241S	65X72	GARLK	471551!
65X334	GARLK	471762!	65X3883	GARLK	473442!*	65X551	GARLK	470950!	65X720	GARLK	471316
65X3347	GARLK	417780*	65X3885	GARLK	470088*	65X551	GARLK	6241S	65X721	GARLK	473441*
65X335	GARLK	473420*	65X389	GARLK	471354!*	65X552	GARLK	470950!	65X722	GARLK	473441*
65X336	GARLK	473420	65X390	GARLK	471354!	65X552	GARLK	6241S	65X723	GARLK	473441
65X3375	GARLK	455330!*	65X3904	GARLK	472234*	65X556	GARLK	471835!	65X724	GARLK	450273
65X3377	GARLK	455330!	65X3905	GARLK	472234*	65X557	GARLK	471835!	65X725	GARLK	450273
65X3384	GARLK	415074	65X3906	GARLK	472234	65X558	GARLK	471835!	65X726	GARLK	450273
65X3394	GARLK	455480!*	65X394	GARLK	473205	65X559	GARLK	472843*	65X732	GARLK	451817
65X3396	GARLK	455480!*	65X395	GARLK	473205	65X56	GARLK	471549!	65X733	GARLK	450065*
65X3398	GARLK	55316*=	65X396	GARLK	473205	65X560	GARLK	472843*	65X734	GARLK	450065*
65X3402	GARLK	417562*	65X397	GARLK	474255	65X561	GARLK	472843	65X735	GARLK	450065*
65X3405	GARLK	417562*	65X398	GARLK	474255	65X592	GARLK	473224!*	65X739	GARLK	482253*
65X3406	GARLK	55692*=	65X399	GARLK	474255	65X593	GARLK	473224!	65X740	GARLK	482253*
65X3417	GARLK	55242*	65X424	GARLK	471750!	65X594	GARLK	473224!*	65X741	GARLK	482253
65X3421	GARLK	417563*	65X425	GARLK	471750!	65X595	GARLK	473016!*	65X742	GARLK	451469*
65X3423	GARLK	417563	65X426	GARLK	471750!	65X596	GARLK	473016!*	65X743	GARLK	451469*
65X3424	GARLK	417563	65X427	GARLK	471766!	65X597	GARLK	473016!	65X744	GARLK	451469
65X3426	GARLK	415294!	65X428	GARLK	471766!	65X598	GARLK	473225!*	65X751	GARLK	450274
65X3434	GARLK	416229*	65X43	GARLK	320457	65X599	GARLK	473225!*	65X753	GARLK	450274
65X3435	GARLK	416229	65X430	GARLK	471787!	65X600	GARLK	473225!	65X760	GARLK	473231
65X3444	GARLK	417298*	65X431	GARLK	471787!	65X601	GARLK	474264	65X761	GARLK	473231
65X3445	GARLK	417298	65X433	GARLK	450177*	65X602	GARLK	474264	65X762	GARLK	473231
65X3460	GARLK	415327*	65X434	GARLK	450177*	65X603	GARLK	474264	65X763	GARLK	473367!
65X3464	GARLK	417596*	65X435	GARLK	450177*	65X607	GARLK	473226*	65X763	GARLK	473367
65X3474	GARLK	455948	65X436	GARLK	471795	65X608	GARLK	473226*	65X764	GARLK	473367
65X3482	GARLK	455584*	65X437	GARLK	471795	65X609	GARLK	473226	65X764	GARLK	473367!
65X3483	GARLK	455584	65X438	GARLK	471795	65X628	GARLK	473419!	65X765	GARLK	473367
65X3492	GARLK	416364!	65X439	GARLK	450165	65X643	GARLK	470625!	65X765	GARLK	473367!
65X3496	GARLK	417597*	65X439	GARLK	471801!	65X644	GARLK	470625!	65X769	GARLK	473010

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
65X77	GARLK	471532*	65X910	GARLK	470334!	6600692-00	EATON	416362	6626S	TIMKE	6626S
65X770	GARLK	473010	65X911	GARLK	470334!	660079E	SPG	712135	66280	C-R	417298
65X771	GARLK	473010	65X912	GARLK	470334!	6600S	SPG	6597S	662902	CLARK	415449!
65X772	GARLK	473232	65X913	GARLK	472179	6601000	LF-PT	471688	662D316-L	C-R	6245S=
65X773	GARLK	473232	65X914	GARLK	472179	6602556	EATON	417283	663	C-R	5MR1009
65X774	GARLK	473232	65X915	GARLK	472179	660389	CLARK	472179	6630	C-R	17X32X7!
65X775	GARLK	481864	65X916	GARLK	473447	660389R91	IH	471224	6630	C-R	221730
65X776	GARLK	481864	65X917	GARLK	473447*	660469R91	IH	472439	663004R91	IH	204013
65X777	GARLK	481864	65X918	GARLK	473447	660496	CLARK	471766	663041R91	IH	474256
65X778	GARLK	474274	65X919	GARLK	470334!	6605	ALOY	2689S	663042R91	IH	471341!
65X779	GARLK	474274	65X919	GARLK	50289	66051	VIC	471442!	663043R91	IH	415697!
65X78	GARLK	471532	65X92	GARLK	471255!	66054	CATER	473467!	663043R91	IH	455547
65X780	GARLK	474274	65X920	GARLK	470334!	6606	ALOY	8871	663044R91	IH	414045!
65X781	GARLK	450275	65X920	GARLK	50289	6609	C-R	17X27X7	663045R91	IH	472439
65X782	GARLK	450275	65X921	GARLK	470334!	6610	C-R	17X28X7!	66308	DGASK	13338
65X783	GARLK	450275	65X921	GARLK	50289	6610	C-R	221710	66318	VIC	476838!
65X787	GARLK	473444	65X922	GARLK	471141!	66101	VIC	471255!	6633	C-R	17X32X7!
65X788	GARLK	473444	65X923	GARLK	471141!	661021	HU-WR	472924!	6633	C-R	221730
65X789	GARLK	473444	65X924	GARLK	471141!	6611	C-R	17X28X7V!	663325	US-EL	472341!
65X79	GARLK	473405*	65X925	GARLK	473448	6611	C-R	221710	663379	VIC	370006A
65X7953	GARLK	415577*	65X926	GARLK	473448	661185R91	IH	474256	663379	WHITE	370006A
65X7973	GARLK	55329* =	65X927	GARLK	473448	6612	C-R	17X28X7V	663379D6	DIA	370006A
65X80	GARLK	473405	65X928	GARLK	471984*	66121	TROS	6815	6633R	JN-MN	417603!
65X80X8	FORSH	65X80X8	65X929	GARLK	471984*	66122S	TROS	9150S	66340S	TROS	9342S
65X80X8	SIMRT	65X80X8	65X93	GARLK	471564	66123	GRAY	450084!	663414	C-R	55501=
65X80X8SC	TRSCM	65X80X8	65X930	GARLK	471984	66123	TROS	472258!	663424	C-R	455375=
65X80X8TC	TRSCM	65X80X8	65X931	GARLK	473313	66124	GRAY	411253!	663476	GMC	370012A
65X81	GARLK	471558	65X932	GARLK	473313	66126	GRAY	471137	663477	GMC	418028
65X82	GARLK	471558*	65X933	GARLK	473313	66126	VIC	470954!	663478	GMC	370005A
65X829	GARLK	473445*	65X94	GARLK	471564*	66126K4	GE	470954!	663480	GMC	370021A
65X830	GARLK	473445	65X940	GARLK	50266*	6612S	TIMKE	6612S	663482	GMC	370007A
65X831	GARLK	473445*	65X941	GARLK	50266*	6613	ALOY	9049	663484	GMC	471734
65X835	GARLK	473234	65X942	GARLK	50266	66135	VIC	471554!	663485	GMC	370005A
65X836	GARLK	473234	65X943	GARLK	450269*	661350R91	IH	471341!	663486	GMC	370021A
65X837	GARLK	473234	65X944	GARLK	450269*	6614	C-R	17X28X7!	663487	GMC	417505
65X838	GARLK	473235!*	65X945	GARLK	450269	6614	C-R	221710	663512	B-L-H	415938
65X839	GARLK	473235!*	65X946	GARLK	450285*	66140	VIC	471643!	663512	C-R	415938
65X840	GARLK	473235!	65X947	GARLK	450285*	6615	C-R	17X29X7	663512	MINMA	415938
65X841	GARLK	474265	65X948	GARLK	450285	661504	CLARK	417621!	663512A	BUC-E	415938
65X842	GARLK	474265	65X949	GARLK	471866!*	661875R91	IH	204002	663512M1	C-R	415938
65X843	GARLK	474265	65X95	GARLK	471612	661876R91	IH	204002	663520	C-R	417555!
65X844	GARLK	473236!*	65X950	GARLK	471866!*	66193	VIC	471267!	663520M1	C-R	417555!
65X845	GARLK	473236!*	65X951	GARLK	471866!	66196	VIC	471570!	663524	C-R	415447
65X846	GARLK	473236!	65X95X10AN	ISP	65X95X7	662	C-R	5MR1008	663528	C-R	55392=
65X853	GARLK	473446	65X97	GARLK	481528	6620	ALOY	1209	663566R91	IH	473215!
65X854	GARLK	473446	65X972	GARLK	470625!	6620	C-R	17X30X7!	663567R91	IH	415379!
65X855	GARLK	473446*	65X976	GARLK	472070*	6620	C-R	221720	663567R91	IH	415379
65X859	GARLK	471981	65X977	GARLK	472070*	66201S	TROS	9116S	663568R91	IH	415379!
65X85X10SC	TRSCM	65X85X10	65X978	GARLK	472070	662027	CLARK	412871!	663568R91	IH	415379
65X85X10TC	TRSCM	65X85X10	65X979	GARLK	471866!	66202S	TROS	9195S=	6635S	TIMKE	6635S
65X85X8AN	ISP	65X85X8	65X98	GARLK	481528	66203	TROS	9049	6635SS	JN-MN	470712!
65X860	GARLK	471981	65X980	GARLK	471866!	66203	TROS	9049N	663603	CHRY	450084!
65X861	GARLK	471981	65X981	GARLK	471866!	662066R91	IH	415303!	6636S	TIMKE	6636S
65X87	GARLK	471466!	65X982	GARLK	473449	6622	ALOY	8871	663729R91	IH	204017
65X88	GARLK	471466!	65X983	GARLK	473449	6622	C-R	221720	6637S	SPG	3103!
65X88X10SC	TRSCM	65X88X10	65X984	GARLK	473449	6622	C-R	481481	66381D	IH	471554!
65X88X10TC	TRSCM	65X88X10	65X987	GARLK	480281!	66220	TROS	9161	663885R91	IH	472572!
65X88X8AN	ISP	65X88X8	65X988	GARLK	450269*	662316L	C-R	6245S=	663886R91	IH	473214
65X898	GARLK	471504!	65X989	GARLK	450269*	6624	C-R	17X30X7!	6638S	NATL	370001A
65X899	GARLK	471504!	65X990	GARLK	450269*	6624	C-R	221720	6638S	TIMKE	6638S
65X900	GARLK	471504!	65X991	GARLK	473450	66240	C-R	417298	663H512-T8	C-R	415938
65X904	GARLK	472164!	65X992	GARLK	473450	66241	C-R	417298	663N2	WHITE	471141!
65X905	GARLK	472164*	65X993	GARLK	473450	66242	VIC	472311!	663W524	C-R	415447
65X906	GARLK	472164!	660	GARLK	451857	66245	VIC	471224!	6640	C-R	17X35X7!
65X907	GARLK	472185!	6600097	EATON	415327	66247	VIC	471649!	6640	C-R	221735
65X908	GARLK	472185!	660009700	EATON	415327	66249	DGASK	13069	66402S	TROS	2043
65X909	GARLK	472185!	6600140	EATON	415551	6625	C-R	17X30X7V	664078R91	IH	473214
65X90X10SC	TRSCM	65X90X10!	660014000	EATON	415551	66253S	ALLCH	471272!	6641	C-R	221735
65X90X10TC	TRSCM	65X90X10!	6600282	EATON	8907	662548	GMC	470565=	664157R91	IH	415303!
65X90X13SC	TRSCM	65X90X13	660028200	EATON	8907	662573C1	IH	JV1550=	6641S	SPG	471570!
65X90X13TC	TRSCM	65X90X13	6600580	EATON	415035	6626	C-R	17X30X7V	6642	C-R	17X35X7V
65X91	GARLK	471255!	6600692	EATON	416362	662654	CLARK	417316!	664309R91	IH	204013

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Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial	Mfr. No.	Name	Zero Duplication or Recommended Industrial
6643S	TIMKE	6643S	66532	VIC	1994	66576	VIC	1981	66627	VIC	28X40X7!
6644	C-R	17X35X7	66532	VIC	48X70X9!	66578	VIC	1952	66628	VIC	222860
6644	TIMKE	6644	66535	R91 IH	470334!	66579	VIC	1953	66628	VIC	28X47X7!
66440C1	IH	471442!	66535	VIC	223830	66579	VIC	42X60X7!	66629	VIC	28X52X7
664412	ALLCH	471507N=	66535	VIC	38X55X7!	6657S	SPG	7014S	66630	VIC	1970
66446	VIC	323138!	66535	R91 IH	470334!	66580	VIC	1990	66630	VIC	30X42X7!
6645	C-R	17X36X7	66535	R91 IH	470334!	66580	VIC	TCS45718	66631	VIC	30X47X7
6646	C-R	17X35X7V	66536	VIC	1977	66581	VIC	1963	66632	VIC	223035
66462	VIC	471276	66536	VIC	224820	66584	VIC	1943	66633	VIC	32X45X7
664631	SPICE	480210!	66536	VIC	48X62X8!	66585	VIC	42X55X8!	66635	VIC	223255
664657R91	IH	472164!	66537	VIC	1183	66587	VIC	228030	66635	VIC	32X52X7!
664658R91	IH	472164!	66537	VIC	42X55X8!	66587	VIC	80X110X10!	66636	VIC	223520
6647S	NATL	470954!	66538	VIC	1973	66587	VIC	80X110X12!*	66636	VIC	35X50X8!
6649	TIMKE	6649	66538	VIC	1977	66588	VIC	1012	66637	VIC	223542
6650	C-R	17X37X7	66539	VIC	1174	66588	VIC	1012N	66637	VIC	35X55X11!
66500	VIC	1012	66539	VIC	38X52X8.5!	66588	VIC	45X62X8!	66638	VIC	223830
66500	VIC	1012N	66540	VIC	1188	66589RS	VIC	88179	66638	VIC	223831
66501	VIC	224045	66540	VIC	224820*	66590RS	VIC	16204	66638	VIC	38X55X7!
66501	VIC	40X62X12!	66540	VIC	48X62X8!	66590RS	VIC	88199	66639	VIC	223840
66502	VIC	1174	66540	VIC	710322	66590RS	VIC	99199!	66639	VIC	38X58X8!
66503	VIC	1165	66540S	TROS	8935S	66591RS	VIC	99193	6663R	JN-MN	415227!*
66504	VIC	1208	66541	VIC	1973	66592RS	VIC	16201	6663S	TIMKE	6663S
66504	VIC	48X72X7!	66541	VIC	48X65X10!	66592RS	VIC	88218	66640	VIC	38X62X7
66505	VIC	1967	66541S	TROS	473234!	66592RS	VIC	99218!	666408	WHITE	80313
66506	VIC	1165	66542	VIC	1128	66593RS	VIC	16200	66642	VIC	224045
66507	VIC	1969	66543	VIC	224235	66593RS	VIC	99225	66642	VIC	40X62X12!
66507	VIC	224831	66543	VIC	42X58X7!	66594RS	VIC	16208	66643	VIC	42X55X8!
66507	VIC	48X63X9!	66544	VIC	224045	66594RS	VIC	99174	66644	VIC	224250
66508	VIC	1208	66544	VIC	40X62X12!	66595RS	VIC	88187	66644	VIC	42X62X8!
66508	VIC	48X72X7!	66545	VIC	1181	66595RS	VIC	99187!	66645	VIC	1992
66509	VIC	1209	66545	VIC	41X56X7!	66596RS	VIC	88187	66645	VIC	45X65X8!
66509	VIC	225010	66546	VIC	224270	66596RS	VIC	99187!	66647	VIC	225035
66509	VIC	50X65X8!	66546	VIC	42X72X10!	66597RS	VIC	16202	66647	VIC	50X72X8!
66510	VIC	1217	66547	VIC	1974	66597RS	VIC	88176	66648	VIC	55X72X8!
66511	VIC	1195	66548	VIC	32X47X7!	66597RS	VIC	99176!	66649	VIC	55X80X8
66512	VIC	223840	66548	VIC	3476	66598RS	VIC	16205	6665	C-R	17X42X7
66512	VIC	38X58X8!	66549	VIC	1962	66598RS	VIC	88233	66650	VIC	226020
66513	VIC	223840	66549F	DIA	410102	66598RS	VIC	99233!	66650	VIC	60X80X8!
66513	VIC	38X58X8!	6655	C-R	17X38X7	66599RS	VIC	99212	66651	VIC	60X85X8
66514	VIC	224560*	66550	VIC	1873	6659R	JN-MN	471820	66652	VIC	226520
66514	VIC	320564*	66551	VIC	471192	6660	C-R	17X40X7	66653	VIC	65X90X10!
66514	VIC	45X68X7!*	66552	VIC	224820	66600RS	VIC	88199	666536R91	IH	203007=
66514	VIC	710345	66553	VIC	224820	66601RS	VIC	16203	66654	VIC	227040
66515	VIC	222510	66553	VIC	48X62X8!	66601RS	VIC	88186	66654	VIC	70X90X10!
66515	VIC	25X35X7!	66554	VIC	472164!	66602RS	VIC	99162	66655	VIC	70X95X13
66516	VIC	224015	66555	VIC	473241	66604RS	VIC	99149	666552R91	IH	472070
66517	VIC	224820	66556	VIC	473234!	66605RS	VIC	99250	666553R91	IH	450165
66517	VIC	48X62X8!	66557	VIC	1110	66606RS	VIC	99274	666553R91	IH	471801!
66519	VIC	55X82X12!	66558	VIC	1110	66609	VIC	10X22X7	66656	VIC	75X95X10
66520	TROS	473473	66559	VIC	473454*	6661	C-R	17X40X7!	66657F	DIA	415137!
66520	VIC	1950	66559	VIC	473454!	66613	VIC	12X30X7	66657F	DIA	418028
66521	VIC	224820	66561	VIC	471224!	66614	VIC	15X26X7	66657J	DIA	416654
66521	VIC	48X62X8!	66562	VIC	223510	66615	VIC	15X30X7!	66657M	DIA	417159
66522	VIC	224210	66563	VIC	471870!	66615	VIC	221540	66658	VIC	228009
66522	VIC	42X55X8!	66564	VIC	350936	66616	VIC	15X35X7	66658	VIC	228010*
66523	VIC	1955	66565	VIC	224045	66618	VIC	18X30X7!	66658	VIC	80X100X10!
66523	VIC	52X65X9!	66565	VIC	40X62X12!	66618	VIC	221820	66658J	DIA	416282
66524	VIC	1960	66566	VIC	482126	66619	VIC	18X35X7	66659	VIC	85X110X12
66525	VIC	1959	66568	VIC	40769S	6662	C-R	17X40X7!	66660	VIC	85X120X12
66526	VIC	224820	66569	VIC	473238!	66620	VIC	20X35X7!	66661	VIC	90X120X12
66526	VIC	48X62X8!	665691	GMC	370001A	66620	VIC	222030	66662	VIC	95X120X12
66527	VIC	1956	665692	GMC	HU066A	66621	VIC	20X40X7!	666626R91	IH	472070
66527	VIC	224820*	66570	VIC	223535	66621	VIC	222050	666628R91	IH	203007=
66527	VIC	48X62X8!	66571	VIC	472213	66622	VIC	222220	66663	VIC	100X125X12
66528	VIC	58X72X8	66572	VIC	1174	66622	VIC	22X35X7!	66665	VIC	120X150X12!
66529	VIC	1174	66572	VIC	38X52X8.5!	66623	VIC	22X40X7	66666	VIC	130X160X12
66529	VIC	38X52X8.5!	66573	VIC	1077=	66623	VIC	TCS45434	66667	VIC	145X170X12!
6653	C-R	17X37X7	66573	VIC	223535	66624	VIC	222540	66667	VIC	231404
66530	VIC	1174	66574	VIC	2000	66624	VIC	25X40X7!	66669	VIC	160X190X15
66530	VIC	38X52X8.5!	66574	VIC	224235	66625	VIC	25X47X7	6666LA	JN-MN	450474*
66531	VIC	1187	66574	VIC	42X58X7!	66626	VIC	25X52X7!	66670	VIC	170X200X15
66531	VIC	47X68X10!	66575	VIC	223014	66627	VIC	222820	66671	VIC	180X210X15

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
66672	VIC	190X220X16	66742	VIC	1012N	66791	VIC	1965	6682R	JN-MN	416167!
66686	VIC	6X16X7	66743	VIC	1992	66792	VIC	1216	66830	VIC	2443
66687	VIC	6X22X7	667434	ALLCH	417210!	66792	VIC	1216N	66831	VIC	223610
66688	VIC	1952	66744	VIC	226480	66793	VIC	222430	66831	VIC	710197!
6668S	TIMKE	6668S	66744	VIC	64X80X8!	66793	VIC	24X40X7!	66832	VIC	14X24X7!
66690	VIC	BS25031	66745	VIC	1906	66794	VIC	225230	66832	VIC	221410
66691	VIC	710205	66746	VIC	710189	66794	VIC	52X72X8!	66833	VIC	1989
66693	VIC	223430	66747	VIC	223520	66796	VIC	22696	66834	VIC	222655
66693	VIC	710417	66747	VIC	35X50X8!	66797	VIC	450273	66834	VIC	26X48X7!
66696	VIC	224025	66747	VIC	3771	66798	VIC	224470	66835	VIC	222535
66697	VIC	472492!	66748	VIC	228010	66798	VIC	44X72X10!	66835	VIC	25X38X7!
666973C1	IH	417158*	66748	VIC	80X100X10!	66799	VIC	223620	66836	VIC	224255
66699	VIC	224020	66748	VIC	BS40252	66799	VIC	36X68X10!	66837	VIC	2007N
66699	VIC	40X55X8!	66749	VIC	1177	66799LA	JN-MN	473227	66838	VIC	494123
6669LA	JN-MN	417316!	6675	C-R	17X46X7	66799LPD	JN-MN	473227	66839	VIC	225220
6670	C-R	17X45X7*	66750	VIC	225420	6679LUP	JN-MN	473227!	66839	VIC	52X68X8!
66701	VIC	223830	66751	VIC	1955	6680	C-R	17X47X7!	66840	VIC	1213N
66701	VIC	38X55X7!	66751	VIC	52X65X9!	6680	C-R	17X47X8	66842	VIC	34X52X8
66703	VIC	3772	66752	VIC	1176	668002	ATLAS	6815	66844	VIC	1986
66704	VIC	1021V	66753	VIC	2002	668004	AT SU	473317	66845	VIC	222650
66704	VIC	BS40265	66754	VIC	223520!	668009	AT SU	9150S	66845	VIC	26X47X7!
66707	VIC	229005	667567R91	IH	200886	668011	AT SU	7934S	66846	VIC	36X47X7
66707	VIC	229006*	66757	VIC	1981	668015	AT SU	8705S	66847	VIC	224100
66708	VIC	239146	66758	VIC	1979	668015	ATLAS	8705S	668479	CHRY	5836
66708	VIC	38X54X7!	66759	VIC	334111	668016	AT SU	9406S	66848	VIC	224820
66709	VIC	1973	667591R91	IH	472572!	668021	ATLAS	8871	66849	VIC	33X50X12!
66710	VIC	224462	667599R91	IH	200886	668024	AT SU	292594	6685	C-R	17X47X8
66711	VIC	222510	66760	VIC	2011	668025	ATLAS	5121	66850	VIC	224462
66711	VIC	25X35X7!	66760	VIC	712020	668026	ATLAS	3087	66851	VIC	2000
66712	VIC	473367	66761	VIC	1884	668029	ATLAS	8974S	66851	VIC	224235
66713	VIC	1213N	66762	VIC	1979*	668034	AT SU	1196	66851	VIC	42X58X7!
66714	VIC	1994	66763	VIC	30X48X8!	668034	ATLAS	1198	66852	VIC	1038
66714	VIC	48X70X9!	66764	VIC	1174	668035	AT SU	224015	66853	VIC	1019
66715	VIC	1214	66764	VIC	38X52X8.5!	668035	ATLAS	224015	66853	VIC	BS40387
66715	VIC	1214N	66765	VIC	32X58X8!	668036	AT SU	1950	66854	VIC	224025
66716	VIC	1174	66766	VIC	223555	668036	ATLAS	1950	66855	VIC	115X140X12!
66716	VIC	38X52X8.5!	66766	VIC	35X64X8!	668037	AT SU	1188	66855	VIC	231152
66717	VIC	1960	667663	Y-T	J1114=	668037	ATLAS	1188	66856	VIC	231002
66718	VIC	224520	66767	VIC	1173	668038	AT SU	1183	66857	VIC	65X95X8
66718	VIC	45X60X10!	66768	VIC	2016	668038	ATLAS	1183	668572	ALLCH	471442!
66719	VIC	225275	66769	VIC	1167	668039	ATLAS	3357	66858	VIC	225880
6671LA	JN-MN	417541	66770	VIC	224040	66804	VIC	223275	66859	VIC	710318
6671LUP	JN-MN	417541	66770	VIC	42X60X7!	66804	VIC	32X56X10!	66860	VIC	2009
66720	VIC	55X70X8!	66771	VIC	1884	668042	AT SU	710127	66861	VIC	1953
66721	VIC	1999	66771	VIC	52X68X8!	668043	AT SU	710108	66863	VIC	1177
66723	VIC	239127	66772	VIC	341119	668044	AT SU	710129	66864	VIC	223420
66724	VIC	239128	66773	VIC	226520	66805	VIC	224570	66865	VIC	223552
66725	VIC	239129	66773	VIC	65X85X10!	66805	VIC	45X72X7!	66866	VIC	1147
66726	VIC	225230	66774	VIC	224045	66806	VIC	1108	66867	VIC	1938
66726	VIC	52X72X8!	66774	VIC	40X62X12!	66806	VIC	1215	66868	VIC	223605
66727	VIC	225420	66775	VIC	1012	66806	VIC	1215N*	66869	VIC	224874
66727	VIC	54X72X10!	66775	VIC	1012N	66807	VIC	1987	66870	VIC	224820
66728	VIC	1984	66776	VIC	1163=	66807	VIC	TCS45424	66877	VIC	800450
66729	VIC	1948	66776	VIC	20X30X7!	66809	VIC	1936	66878	VIC	344032
66729	VIC	55X82X12!	66776	VIC	222025	6681	C-R	17X47X8	66879	VIC	225225
667293	Y-T	473238!	66777	VIC	1174	66812	VIC	2003N!	66879	VIC	225540
66730	VIC	226285	66777	VIC	38X52X7!	66813	VIC	444116	66880	VIC	225650
66730	VIC	62X85X8!	66778	VIC	222745	668138M1	MASSE	473016!	66880	VIC	56X72X11.5!
66731	VIC	710145	66778	VIC	27X45X8!	66818	VIC	1172	66881	VIC	223340
66732	VIC	1959	66779	VIC	223240	66819	VIC	50X80X8	66883	VIC	224220
66733	VIC	224820	6677LA	JN-MN	455685	66821	VIC	1985	66886	VIC	223542
66733	VIC	48X62X8!	66780	VIC	1981	66822	VIC	40X58X10!	66886	VIC	35X55X11!
66734	VIC	1943	66781	VIC	224560	66823	VIC	223580	66887	VIC	225500
66734	VIC	224570	66781	VIC	45X68X7!	66824	VIC	2008	66887	VIC	55X68X8!
66734	VIC	45X72X12!	66782	VIC	9161	66824	VIC	32X54X10!	66891	VIC	32X48X8!
66735	VIC	224015	66783	VIC	223014	66825	VIC	2011	66893	VIC	4401=
66737	VIC	224835	66784	VIC	1953	66826	VIC	1990	66893	VIC	710156
66737	VIC	48X68X10!	66784	VIC	42X60X7!	66827	VIC	1215	66894	VIC	222820
66738	VIC	415303!*	66785	VIC	2007N	66827	VIC	1215N	66895	VIC	1015N
66741	VIC	225005	66787	VIC	350609	66828	VIC	223240	66895	VIC	18X28X6!
66741	VIC	50X62X7!	66788	VIC	12X22X7!	66828	VIC	32X48X8!	66896	VIC	220860
66742	VIC	1012	66788	VIC	221207	66829	VIC	224320	66896	VIC	8X16X7!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
66897	VIC	16X24X7	66979	VIC	710348	66X149	GARLK	471684!	66X2543	GARLK	417357
66898	VIC	221610	66980	VIC	221720	66X1492	GARLK	472636!	66X2546	GARLK	416130!
668M316-L	C-R	62455=	66981	VIC	471413!	66X1498	GARLK	412920!	66X2555	GARLK	415041
66902	VIC	224570	66982	VIC	3476	66X1504	GARLK	411376!	66X2657	GARLK	416556!
66902	VIC	45X72X7!	66984	VIC	1181	66X151	GARLK	450033	66X2657	GARLK	472157
66903	VIC	710070	669846	ALLCH	413246	66X153	GARLK	470390	66X2663	GARLK	416891!
66904	VIC	1180	669847	ALLCH	471529	66X1654	GARLK	413246	66X2753	GARLK	416888!
66905	VIC	223802	66985	VIC	3771	66X1657	GARLK	412119!	66X2756	GARLK	416153!
66908	VIC	710331	66985	VIC	713771	66X1660	GARLK	413247!	66X289	GARLK	473380*
66909	VIC	223540	66986	VIC	228008	66X1666	GARLK	416271!	66X3125	GARLK	455576!
66909	VIC	223542*	66986	VIC	BS40535	66X1669	GARLK	412861	66X3128	GARLK	415938
66909	VIC	35X55X11!	66987	VIC	710234	66X1678	GARLK	417480!	66X323	GARLK	471651
66911	VIC	224210	66988	VIC	710233	66X1723	GARLK	471887	66X325	GARLK	471705!
66916	VIC	1937	66988	VIC	TCS45745	66X1738	GARLK	411500	66X327	GARLK	473419!
66917	VIC	224772	66988R	JN-MN	415116	66X1747	GARLK	411245!	66X3275	GARLK	417362!
66918	VIC	320595	66991	VIC	1217	66X1750	GARLK	417073	66X3278	GARLK	417363
66919	VIC	1937	66991	VIC	TCS45786	66X1801	GARLK	472029	66X3281	GARLK	416666
66920	VIC	27X42X10	66992	VIC	1987	66X1807	GARLK	471271!	66X333	GARLK	471762!
66921	VIC	18X28X6	66993	VIC	1174	66X1813	GARLK	470605!	66X35	GARLK	472810!
66924	VIC	1939	66994	VIC	225650	66X1819	GARLK	415449!	66X352	GARLK	471652
66925	C-R	170X200X15*	66995	VIC	473823	66X1825	GARLK	416273	66X355	GARLK	476838!
66925	VIC	1174	66996	VIC	710070	66X1888	GARLK	455311*	66X357	GARLK	470712!
66925	VIC	38X52X7!	66997	VIC	226530	66X1933	GARLK	413248	66X359	GARLK	471763
66926	VIC	710097	66998	VIC	224400	66X1939	GARLK	415483	66X361	GARLK	471785!
66928	VIC	1140	66999	VIC	710069	66X1945	GARLK	415458!	66X383	GARLK	472475
66928	VIC	223580	66999R	JN-MN	417601	66X1948	GARLK	417343!	66X384	GARLK	472475
66929	VIC	223543!	66A	FORD	472705!	66X1951	GARLK	415007	66X385	GARLK	473426
66930	C-R	170X200X15	66X1042	GARLK	472439	66X2035	GARLK	416664!	66X387	GARLK	471765!
66930	VIC	710111	66X1045	GARLK	471868	66X2038	GARLK	417484!	66X3872	GARLK	471747!
66931	VIC	223801!	66X1048	GARLK	472572!	66X2041	GARLK	415984!	66X3880	GARLK	471344
66932	VIC	710332	66X1051	GARLK	473179!	66X2044	GARLK	417316!	66X3883	GARLK	473442!
66940	VIC	239146	66X1057	GARLK	473238	66X2047	GARLK	415960	66X394	GARLK	473205
66940	VIC	38X54X7!	66X1063	GARLK	473239!	66X2050	GARLK	416706!	66X424	GARLK	471750!
66941	VIC	227530	66X1066	GARLK	473457!	66X2118	GARLK	417344!	66X427	GARLK	471766!
66941	VIC	716445	66X1069	GARLK	473240!	66X2121	GARLK	417158!	66X430	GARLK	471787!
66942	VIC	224840	66X1075	GARLK	473458!	66X213	GARLK	471267!	66X436	GARLK	471795
66946	VIC	710148	66X1114	GARLK	472319	66X2146	GARLK	416956	66X439	GARLK	450165
66947	VIC	473677	66X1117	GARLK	473459	66X2152	GARLK	416654!	66X439	GARLK	471801!
66948	VIC	225030	66X1120	GARLK	473241	66X2168	GARLK	417349!	66X442	GARLK	471808!
66949	VIC	710072	66X1129	GARLK	472144!	66X217	GARLK	471633!*	66X451	GARLK	473424!
66950	VIC	1936	66X113	GARLK	471553!	66X2171	GARLK	417350!	66X4802	GARLK	450545
66952	VIC	1217	66X1132	GARLK	473460	66X2174	GARLK	415995!	66X4965	GARLK	451031=
66952	VIC	224015*	66X1135	GARLK	472394	66X2174	GARLK	415995!	66X535	GARLK	470774!
66953	VIC	2025	66X115	GARLK	471579	66X2177	GARLK	417351!	66X541	GARLK	471192
669530R91	IH	412119!	66X119	GARLK	471642	66X221	GARLK	470590	66X544	GARLK	473214
66954	VIC	716102	66X1198	GARLK	472924!	66X2249	GARLK	456105	66X547	GARLK	473215!
66954	VIC	85X105X13!	66X1204	GARLK	472397!	66X2257	GARLK	455336	66X550	GARLK	470950!
66955	VIC	1036	66X1207	GARLK	473463	66X2261	GARLK	417490	66X550	GARLK	6241S
66956	VIC	1146	66X1210	GARLK	473242	66X2267	GARLK	455022	66X556	GARLK	471835!
66957	VIC	1126	66X1252	GARLK	451948	66X227	GARLK	481741=	66X592	GARLK	473224!
66958	VIC	239201!	66X1270	GARLK	416738!	66X2270	GARLK	476470!	66X595	GARLK	473016!
66958	VIC	4175	66X1270	GARLK	450096	66X2270	GARLK	476470	66X598	GARLK	473225!
66959	VIC	474133	66X1321	GARLK	470898=	66X2273	GARLK	417181!	66X643	GARLK	470625!
6696	SPG	417355!	66X1324	GARLK	473467	66X2276	GARLK	418028	66X645	GARLK	471818
6696	SPG	485497	66X1327	GARLK	472015!	66X2279	GARLK	417353!	66X655	GARLK	473228
66960	VIC	32X47X7!	66X1333	GARLK	472016	66X2294	GARLK	455328	66X664	GARLK	473440!
66960	VIC	3476	66X1339	GARLK	472409!	66X2366	GARLK	415991!	66X6658	GARLK	471276*
66962	VIC	710215	66X1345	GARLK	473243	66X2366	GARLK	415991!	66X700	GARLK	472213
66963	VIC	1176	66X1357	GARLK	416267!	66X2369	GARLK	417196!	66X703	GARLK	472299
66966	VIC	222556	66X1357	GARLK	456267=	66X2375	GARLK	417198	66X706	GARLK	471821!
66967	VIC	222267	66X1402	GARLK	472018	66X2417	GARLK	416332!	66X712	GARLK	473229
66968	VIC	225020	66X1405	GARLK	473471	66X2420	GARLK	415937!	66X7126	GARLK	470596*
6696S	NATL	417355!	66X1408	GARLK	472020	66X2426	GARLK	416125!	66X715	GARLK	470682
6696S	NATL	485497	66X1414	GARLK	470354	66X2432	GARLK	417499	66X7164	GARLK	473455!
66970	VIC	70X95X13	66X1420	GARLK	473245!	66X2433	GARLK	417355!	66X718	GARLK	471316
66972	VIC	229010	66X1426	GARLK	413472	66X2435	GARLK	415832	66X7249	GARLK	416127
66973	VIC	716102	66X1432	GARLK	416268	66X2438	GARLK	417500	66X7282	GARLK	470088
66974	HYST	323138!	66X145	GARLK	471498*	66X2462	GARLK	415379	66X739	GARLK	482253
66974	VIC	229005	66X1471	GARLK	471341!	66X2465	GARLK	417205!	66X760	GARLK	473231
66975	VIC	223510	66X1474	GARLK	471272!	66X2468	GARLK	416339	66X763	GARLK	473367
66977	VIC	228250	66X1480	GARLK	471138!	66X2537	GARLK	415035	66X763	GARLK	473367!
66977	VIC	710448	66X1486	GARLK	410737!	66X2540	GARLK	417356!	66X769	GARLK	473010

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
66X772	GARLK	473232	6704SS	JN-MN	471076	67111	VIC	224015*	6720	C-R	3667
66X775	GARLK	481864	67052	VIC	223843	67111	VIC	224052*	67200	VIC	1012
66X787	GARLK	473444	67053	VIC	224045	67111	VIC	710308	67201	VIC	223552
66X7934	GARLK	55469*	67054	VIC	223553*	67115	VIC	710225	67204	VIC	224254
66X7941	GARLK	455509*	67054	VIC	4901	671151	CHRY	415449!	67205	VIC	710255
66X8074	GARLK	471827!*	67055	VIC	224063	67116	VIC	1207	67208	VIC	1932
66X8081	GARLK	450819*	67057	VIC	221607	67116	VIC	1207N	67209	VIC	710236
66X826	GARLK	473233!	67058	VIC	710116	67117	VIC	1964	67211	VIC	223230
66X8342	GARLK	450557	67059	VIC	221620	67118	VIC	710150	67211	VIC	320348
66X8342	GARLK	471255!	67060	VIC	710297	67119	VIC	228410	67211	VIC	TCS45918
66X835	GARLK	473234	67061	VIC	1216	67120	VIC	229210	67212	VIC	710327
66X838	GARLK	473235!	67061	VIC	1216N	67121	VIC	228009	672138R91	IH	472015!
66X844	GARLK	473236!	67063	VIC	710051	67122	VIC	224650	67218	VIC	710072
66X859	GARLK	471981	67065	VIC	714503	67123	VIC	228009	67219	VIC	226530
66X899	GARLK	471504!	67066	VIC	223801!	67124	VIC	224015	67220	VIC	225877
66X907	GARLK	472185!	67067	VIC	221607	67128	VIC	222745	67222	VIC	224250
66X910	GARLK	470334!	67068	VIC	40X58X101*	67129	VIC	27X45X8!	67224	VIC	710313
66X913	GARLK	472179	67069	VIC	1990	6712N	SPG	473179	672303	GMC	470059
66X922	GARLK	471141!	67070	VIC	222430	6712NA	TIMKE	473179	672303	GMC	470380!
66X925	GARLK	473448	67071	VIC	1981	67130	VIC	223050	67231	VIC	226610
66X928	GARLK	471984	67072	VIC	223535	671308	GMC	411500	67232	VIC	710166
66X931	GARLK	473313	67073	VIC	223520!	67131	VIC	30X50X7	67233	VIC	223831
6700157	GMC	417210!	67074	VIC	2007N	67132	VIC	3476	67234	VIC	223410
67002	VIC	710093	67075	VIC	224066	67133	VIC	1180	67235	VIC	710170
6700209	GMC	417354!	670752	CHRY	471827	67134	VIC	710092	67236	VIC	710165
67003	VIC	223550	67077	VIC	1213N	67136	VIC	712551	67237	VIC	224252
67004	VIC	225872	67078	VIC	710218	67137	VIC	1941	67242	VIC	472311
67005	VIC	1973	67079	VIC	222238	67138	VIC	224026	67245	VIC	471224
6700576	GMC	476591N=	67080	VIC	223014	67139	VIC	225673	67247	VIC	471649!
6700577	GMC	471766!	67083	VIC	80X125X12	67140	VIC	471643!	67251	VIC	16X24X6
67006	VIC	494123	67085	VIC	228520	67142	VIC	710156	67256C1	IH	416556!
67007	VIC	1213N	67085	VIC	85X110X12!	67143	VIC	4898	67256C1	IH	472157
67008	VIC	223542	67086	VIC	125X150X12!	67149	VIC	710112	67257	VIC	20X36X7
6700846	GMC	471567!	67086	VIC	231250	67150	VIC	229005*	67258	VIC	1932
67009	VIC	1975	67087	VIC	227550	67150	VIC	BS40598	67259	VIC	710109
67010	VIC	473677	67087	VIC	75X100X12!	67151	VIC	223800	67260	VIC	710110
670118	WHITE	370036A	67088	VIC	229520	67151	VIC	223801*	67262	VIC	224663
670118	WHITE	370349A	67088	VIC	95X130X12!	67154	VIC	710073	67264	VIC	2027
670142	ALLCH	473214!	67089	VIC	68X90X10!	67156	VIC	1935	67265	VIC	710248
670186	ALLCH	417349	67089	VIC	712108	67157	VIC	4899	67267	VIC	3459
67028	VIC	225082	67090	VIC	90X125X12	67158	VIC	225673	67272	VIC	1015N
67029	VIC	1205	67091	VIC	120X145X12!	67159	VIC	1993	67273	VIC	710259
67029	VIC	1205N	67091	VIC	231204	67160	VIC	710076	67274	VIC	226820
6702955	GMC	471472!	67092	VIC	110X140X12!	67161	VIC	225410	67277	VIC	710217
6702R	JN-MN	417780	67092	VIC	231108	67162	VIC	1174	67278	VIC	710094
6703077	GMC	417343=	67093	VIC	717006	67163	VIC	1928	6727LA	JN-MN	473238
6703154	GMC	415995!	67094	VIC	140X170X15!	67164	VIC	224870	6728	C-R	17X27X7
6703159	EUCLD	471224!	67094	VIC	231405	67166	VIC	221922	67283	VIC	710127
6703159	GMC	471224!	67095	VIC	100X130X12!	67171	VIC	225275	67285	VIC	710125
67032	VIC	712008	67096	VIC	140X160X13!	67172	VIC	225678	67286	VIC	710108
67033	VIC	1216	67096	VIC	231402	67173	VIC	226150	67288	VIC	710107
67033	VIC	1216N	67098	VIC	474230	67174	VIC	710175	67289	VIC	710178
67035	VIC	1215	67099	VIC	717004	67175	VIC	710168	6728LA	JN-MN	50419
67035	VIC	1215N	671	C-R	5MR1300	67176	VIC	710192	6729	C-R	17X27X7
67036	VIC	2011	67100	VIC	710090	67177	VIC	1953	67290	VIC	1177
67037	VIC	1216	67101	VIC	710085	671789	GMC	730034	67291	VIC	224872
67037	VIC	1216N	67102	VIC	710086	67179	VIC	1971	67292	VIC	224874
67039	VIC	221620	67103	VIC	710088	67180	VIC	710194	67292195	BUC-E	470059
6703S	TIMKE	6703S	67104	VIC	712003	67181	VIC	1974	67292195	BUC-E	470380!
6704	TIMKE	470712	67104	VIC	717004	67184	VIC	221510	67293	VIC	16X24X6
67040	VIC	222830	67105	VIC	710376	67186	VIC	710228	67299	VIC	224820
67041	VIC	222742	67106	VIC	120X150X12!	67187	VIC	1974	67301	VIC	223010
67042	VIC	710157	67106	VIC	231206	67188	VIC	224462	673013R91	IH	417343!
67043	VIC	710110	67107	VIC	710089	67189	VIC	710230	67308	VIC	710114
67044	VIC	224200	67108	VIC	710374	67190	VIC	225650	6730LA	JN-MN	416888!
67045	VIC	710314	671084	GMC	472394	67191	VIC	710228	67321	VIC	710195
67046	VIC	224026	67109	VIC	717005	67192	VIC	225673	67322	VIC	2011
67047	VIC	224026	6710SS	JN-MN	471646!	67193	VIC	471267!	67331	VIC	225110
67047	VIC	710300	6711	SPG	205004	67194	VIC	710226	67334	VIC	413818
67047	VIC	712551*	67110	VIC	225225	67195	VIC	710253	67335	VIC	710141
67048	VIC	1990	67110	VIC	52X70X8!	67198	VIC	710109	67336	VIC	1176
67049	VIC	2655	671101	GMC	473205	6719LA	JN-MN	415072	67337	VIC	4898

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
67339	VIC	710140	67491	VIC	1037	67554	CINMI	472016	67738	DENCO	415995!
67340	VIC	223440	67497	VIC	223805	67557	C-R	416008	67742	DENCO	470898!
67345	VIC	34X52X8	6749LA	JN-MN	476470	67558	C-R	417549!	6774SH	JN-MN	474265
673467	GMC	730149	674D-641-H12	BENDI	415034!	6755898	GMC	412119	6775412	GMC	470712!
673468	GMC	HU149A	674D-641-H16	BENDI	416666	6755LA	JN-MN	471688*	6775516	GMC	415088=
67347	VIC	710124	675007R91	IH	450326	6755LPD	JN-MN	471688	6775628	GMC	415991
673472	BENDI	471354!	675008R91	IH	470565=	67560	VIC	710088	6775628	GMC	415991!
67351	VIC	223462	675009R91	IH	415389	6757	C-R	710344	677566	GMC	412119
67353	VIC	224040	6750156	GMC	416107!	6757264	GMC	471760	6775LA	JN-MN	471705!*
67356	VIC	710286	6750156	GMC	455073	6757463	GMC	416107!	6776197	GMC	415073H=
67359	VIC	224520	6750157	GMC	415192N	6757463	GMC	455073	6776197	SPICE	416107!
67360	VIC	710115	6750231	GMC	415437	6757751	GMC	416229	6778	EATON	5MR71
673600	GMC	473447	6750268	GMC	415041=	67580	VIC	25X62X10	6778050	GMC	415988
67366	VIC	223845	67504	VIC	45X70X10	675861C1	IH	JX1747	677812	CATER	472299=
67367	VIC	710122	6750415	GMC	415146!	675861C2	IH	JX1747	677812	TMTR	472299
67368	VIC	710139	6750415	GMC	415991	675896	CLARK	455330!	67790C2	IH	480630!
67370	VIC	40X72X7	6750426	GMC	471466!	6758LA	JN-MN	471272!	677917R91	IH	417198=
67371	VIC	224252	67505	VIC	224045	6759	C-R	471529	67806TA	TRSCM	416362
67374	VIC	224010	67507	VIC	223840	6759135	GMC	415991	6780S	TIMKE	417134
67378	VIC	710305	675097R91	IH	471554!	6759135	GMC	455146!	6781	TIMKE	6781
6738	C-R	471529	6751	C-R	471538	67598	VIC	TCS45870	6782	C-R	471538!
67381	VIC	710357	6751056	GMC	240736	6759S	TIMKE	6759S	678270	FLXIB	473215!
67383	VIC	225030	67512	VIC	224510	675H516	C-R	416107!	678270	GMC	473215!
673833R91	IH	473454	67515	C-R	415327*	675H516	C-R	455073	6783	C-R	471538!
673834R91	IH	472397!	675162R1	IH	JV1179=	675W516	C-R	416107!	6785	C-R	471538
673835R91	IH	415449!	675168R91	IH	200855	675W516	C-R	455073	6785	TIMKE	6785
67385	VIC	710071	67518	VIC	223400	676-D2	REO	370057A	678526C1	IH	5228*=
67386	VIC	226018	6751818	GMC	471341!	6760	C-R	471529	678527C1	IH	5199*=
67387	VIC	710169	67519	VIC	710305	676031C91	IH	5629	6786LA	JN-MN	450776!
67388	VIC	710144	6752035	GMC	471526!	676032R91	IH	472924!	678805	GMC	473010
67390	VIC	710400	67521	VIC	710266	6760S	TIMKE	6760S	678D5	WHITE	473231!
67393	VIC	65X80X8	6752372	GMC	415138!	676141	ALLCH	JX1190	679-D2	REO	370007A
67397	VIC	710156	6752373	GMC	416107!	676168M1	MASSE	473214	679001	GMC	370008A
67398	VIC	2027	6752373	GMC	455073	676169M1	MASSE	471766!	679002	GMC	370008A
673983	ALLCH	415349=	67524	VIC	60X75X8!	676182M1	MASSE	470950!	679007	GMC	370012A
674-D2	REO	370001A	675242	WHITE	415458!	676182M1	MASSE	6241S	679008	GMC	370012A
6740	C-R	471529*	67525	C-R	415327*	6761LA	JN-MN	410496!	6796LA	JN-MN	416666
67400	VIC	3816	6752S	NATL	412473!	6762	C-R	474261*	679752	CHRYSL	471827
67402	VIC	221540	67530	C-R	415327	6762841	GMC	471442!	6797LA	JN-MN	415072*
67403	VIC	221720	67533	C-R	417596	6763	C-R	474261	67980	ALLCH	50501
67404	VIC	16X24X6	675334	CATER	415447	67631C1	IH	473232!	6798LA	JN-MN	417562
67405	VIC	221610	675346	GMC	417507	6764LA	JN-MN	55357	679918	GMC	417480!
67406	VIC	222535	6753849	GMC	417350!	6765	C-R	471538!	679939	GMC	415023
67408	VIC	222430	67543	VIC	710155	676593	GMC	252277	67X1048	GARLK	472572!
67409	VIC	222025!	67544	VIC	222410	676595	GMC	472015	67X1051	GARLK	473179!
6741	C-R	471529	675442	GMC	472015	6765R	JN-MN	417211!	67X1057	GARLK	473238
67410	VIC	222050	675443	GMC	3893V!	6766	C-R	471538!*	67X1063	GARLK	473239!
674105	ROCKW	455858	675443	GMC	415379!	6767	C-R	471538!	67X109	GARLK	471529
674105	WHITE	455858	67547	VIC	225460	67675R92	IH	6532S=	67X111	GARLK	471538!
67411	VIC	20X35X7!	675473	ALLCH	410930=	6768	C-R	471538V	67X113	GARLK	471553!
674176C91	IH	452872=	6754947	GMC	415988	6768417	GMC	311189N=	67X115	GARLK	471579
674237	GMC	370007A	6755	C-R	417542	6768481	GMC	415138!	67X1186	GARLK	471870!
67424	VIC	20X35X7!	6755	FULLE	417082	676852R91	IH	413248	67X1189	GARLK	472492!
67427	VIC	223215	6755	SPG	416892	6769	C-R	471538V	67X1198	GARLK	472924!
67428	VIC	1170	67550	C-R	417596	676910	GMC	50631	67X1204	GARLK	472397!
6743	C-R	471529	67551	C-R	417596	67696R91	IH	415060	67X1321	GARLK	470898=
67430	VIC	710123	675512	C-R	417554!	67696R91	IH	455060	67X1324	GARLK	473467
67431	VIC	710118	675514	C-R	55357	676T5	WHITE	471224!	67X1327	GARLK	472015!
67432	VIC	1213N	675516	C-R	416107!	677	C-R	5M643	67X143	GARLK	471567!
67434	VIC	710208	675516	C-R	455073	677039X91	IH	476470=	67X147	GARLK	471643!
67435	VIC	710126	675516	CABOT	416107!	6771231	GMC	415995!	67X1471	GARLK	471341!
67438	VIC	710260	675516	CABOT	455073	677188	ALLCH	471787!	67X1474	GARLK	471272!
6743LA	JN-MN	417536	675516	MINMA	416107!	6771984	GMC	416426N=	67X1492	GARLK	472636!
67441	VIC	710173	675516	MINMA	455073	6771SS	JN-MN	471705!	67X1504	GARLK	411376!
67442	VIC	710239	675516M1	BUC-E	416107!	6772050	GMC	471554!	67X151	GARLK	450033
67448	VIC	710240	675516M1	BUC-E	455073	6772890	GMC	415991=	67X153	GARLK	470390
67451	VIC	710256	675516M1	C-R	416107!	6773186	EUCLD	415192N	67X159	GARLK	481443!
67452	VIC	710255	675516M1	C-R	455073	6773186	GMC	415192N	67X161	GARLK	481568!
67482	VIC	35X48X8!	67551WK	SUL	416107!	6773201	GMC	471224!	67X1639	GARLK	473474
67486	VIC	224850	67551WK	SUL	455073	6773249	GMC	472179	67X1654	GARLK	413246
67487	VIC	710343	675524	C-R	417362!	6773311	GMC	476424N	67X1666	GARLK	416271!
6749	C-R	471529	675528	C-R	55392=	6773466	GMC	415988=	67X1669	GARLK	412861

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
67X1801	GARLK	472029	6806	C-R	471538!	684783	CATER	470898	6879	C-R	471553!
67X1807	GARLK	471271!	680622	ALLCH	470596	6847S	TIMKE	6847S	687900	IH	416557
67X1822	GARLK	415001!	6807	C-R	471538	684806	ALLCH	416364!	6879H	NATL	453066
67X1828	GARLK	455079!	6808	SPG	6808N	6848R	JN-MN	474274	6879H	TIMKE	470898
67X1834	GARLK	455655!	680842C91	IH	482126	68509	DENCO	471958	6879LA	JN-MN	473475
67X2035	GARLK	416664!	680862C1	IH	JX1505=	6850LA	JN-MN	473228	6879LPD	JN-MN	473475
67X2038	GARLK	417484!	6808LA	JN-MN	417501	6851LA	JN-MN	471553!	687W837	CONE	5538
67X2041	GARLK	415984!	6808N	TIMKE	6808N	685215	GMC	370003A	6880	C-R	471553!
67X2050	GARLK	416706!	680954	ALLCH	471344	685262	GMC	471271!	68800	C-R	175X200X15*
67X213	GARLK	471267!	68097	DENCO	470898!	68532R91	IH	5406	688019	GMC	487397N*
67X215	GARLK	471570!	681175	FORD	416738!	68536R91	IH	415960	688032	GMC	J1109
67X2168	GARLK	471349	681175	FORD	450096	685555	GMC	473231	688033	GMC	J1113*
67X217	GARLK	471633!	681278-R1	IH	733067	6855W	DIA	473473	688034	GMC	413470!
67X2174	GARLK	415995!	68130R91	IH	472015!	68599	BOSTN	250437V	688035	GMC	413246
67X2174	GARLK	415995!	681323	CHRYL	474264	6859S	TIMKE	6859S	688061	GMC	370005A
67X219	GARLK	471646!	6814	C-R	471553!	6860S	NATL	410496!	688080	GMC	5161=
67X225	GARLK	471730	6814LA	JN-MN	415021	6861S	NATL	471267!	688131	US-EL	473203
67X269	GARLK	451583!	6815	C-R	471553!	68621	DENCO	415995!	68819	DENCO	410987!
67X273	GARLK	471648	6815	TIMKE	6815	6862LA	JN-MN	416364!	68819	DENCO	450686
67X275	GARLK	471688	681596	GMC	471159	6862LPD	JN-MN	416364!	6882	C-R	471553!
67X287	GARLK	471224!	6816	C-R	471553!	6862S	SPG	471210!	688207XX	TIMKE	68X82X7
67X291	GARLK	471649!	681639	GMC	50501	68630022	WITTE	240119	688282	GMC	JV1837
67X293	GARLK	471689!	681675	GMC	470334!	68630031	WITTE	450536N=	688283	GMC	JV1836=
67X295	GARLK	450593!	6818	TIMKE	6818	68630039	WITTE	474253=	6882LA	JN-MN	471870!
67X297	GARLK	471733	68187	CATER	471735	68630061	WITTE	471750!	6882S	SPG	6966S
67X301	GARLK	471760	6818LA	JN-MN	415027	68630150	WITTE	472179	6883697	GMC	417316!
67X303	GARLK	471619!	6818LA	JN-MN	415027!	68630201	WITTE	472924!	6883LA	JN-MN	413248
67X351	GARLK	471652	6819970046	FREIG	370023A	68630211	WITTE	472012	6883S	SPG	6241S
67X353	GARLK	471692!	6822	SPG	472572!	68630220	WITTE	470898	6884S	SPG	3103!
67X355	GARLK	476838!	68224	ALLCH	474276!	68630270	WITTE	411245!	6885	C-R	417543
67X359	GARLK	471763	68224	KEN	474276!	68630301	WITTE	416273!	688508XX	TIMKE	68X85X8
67X361	GARLK	471785!	682805R91	IH	472394	68630373	WITTE	417349	688520	C-R	417556
67X4584	GARLK	473197	682809	GMC	415137!	68630374	WITTE	416654	688520M1	C-R	417556
67X51	GARLK	471526!	682809	GMC	418028	68630380	WITTE	415995!	6885A	C-R	410987!
67X53	GARLK	471472!	6828S	NATL	473229	68630509	WITTE	415697!	689007XX	TIMKE	68X90X7
67X535	GARLK	470774!	6830097	GMC	472164=	68630509	WITTE	455547	689010XX	TIMKE	68X90X10
67X541	GARLK	471192	6830097	GMC	472164!	68630673	GA-WO	415725!	68903	DENCO	471192
67X544	GARLK	473214!	6830153	GMC	471766*=	68630783	GA-WO	417365	68904	DENCO	413247!
67X547	GARLK	473215!	6831418	GMC	472015=	68630983	GA-WO	415090	6894S	SPG	415449!
67X55	GARLK	471549!	6831A	C-R	472185!	6863S	NATL	50199S!	689510XX	TIMKE	68X95X10
67X556	GARLK	471835!	683225R91	IH	5408\$	6863S	TIMKE	6863S	6895R	JN-MN	417158!
67X643	GARLK	470625!	683226R91	IH	5408	6864S	NATL	417505	68988	DENCO	470898!
67X646	GARLK	470059	68328	AM WH	416339	6864S	TIMKE	6864S	68989	DENCO	471766!
67X646	GARLK	470380!	68328	AM WH	455031!	68666	CATER	471267!	6899C	DIA	6532S=
67X655	GARLK	473228	6832S	TIMKE	6832S	6869LA	JN-MN	415988*	6899F	DIA	5951
67X658	GARLK	451857	6833271	GMC	415027	6869LUP	JN-MN	415988	6899H	DIA	47171!
67X664	GARLK	473440!	683334R91	IH	472492!	6869S	SPG	370005A	68AB1190AA	FORD	3395!
67X67	GARLK	471281!	683380	GMC	4716706	68717	AM WH	473010	68GG7048A1A	FORD	2503
67X69	GARLK	471535!	6834909	GMC	472397=	6871LA	JN-MN	417496*	68GG7048A1A	FORD	2503N
67X700	GARLK	472213	6834S	SPG	455037	6871LUP	JN-MN	417496	68X10010XX	TIMKE	68X100X10
67X71	GARLK	471551!	683523	GMC	6808N	68720	C-R	455948	68X10013XX	TIMKE	68X100X13
67X87	GARLK	471466!	683590	GMC	370008A	6872LA	JN-MN	415379	68X10010AN	ISP	68X100X10
67X898	GARLK	471504!	683591	GMC	417506	6872LA	JN-MN	415379!	68X10013SC	TRSCM	68X100X13
67X904	GARLK	472164!	6835S	TIMKE	470954	6872LPD	JN-MN	415379	68X10013TC	TRSCM	68X100X13
67X91	GARLK	471255!	6836	C-R	471553!	6872LPD	JN-MN	415379!	68X109	GARLK	471529
67X913	GARLK	472179	6836LA	JN-MN	472213	6872S	TIMKE	6872S	68X111	GARLK	471538!
67X922	GARLK	471141!	6836LUP	JN-MN	472213	6873S	TIMKE	417254	68X113	GARLK	471553!
67X925	GARLK	473448	6837	C-R	471553!	68745	C-R	455584*	68X115	GARLK	471579
67X928	GARLK	471984	6837288	GMC	454136N	6874A	HERCU	473232	68X1324	GARLK	473467
67X93	GARLK	471564	6838378	RCA	240435	6874S	SPG	473234!	68X143	GARLK	471567!
680090C1	IH	JX1831=	6838600	GMC	417495	68750	C-R	455584	68X147	GARLK	471643!
6800LA	JN-MN	471647	6840	SPG	6840S	68751	C-R	455584	68X151	GARLK	450033
6800LPD	JN-MN	471647	6840LA	JN-MN	417597	6875LA	JN-MN	416239!	68X153	GARLK	470390
6800S	NATL	471466!	6840LPD	JN-MN	417597	6875S	SPG	471827	68X159	GARLK	481443!
68016	C-R	JV753	6840LUP	JN-MN	417597	687686	CHRYL	470354	68X161	GARLK	481568!
68016	DENCO	415138!	6840S	TIMKE	6840S	6876LA	JN-MN	416865!	68X215	GARLK	471570!
6801S	SPG	471264!	6841	SPG	6985	687707C91	IH	416404	68X217	GARLK	471633!
680273R91	IH	370007A	684164	GMC	473473	68775	DENCO	416149	68X219	GARLK	471646!
68029	VIC	453066!	6841STLPD	JN-MN	509503=	687758	SPERY	471649!	68X225	GARLK	471730
68029	VIC	470898	6842S	SPG	7600S	687803C91	IH	416404	68X269	GARLK	451583!
6802S	SPG	481443!	68433DM	IH	350435	6878S	SPG	473367!	68X273	GARLK	471648
680392	GMC	417505	6845	NATL	413469!	6878S	SPG	473367			

! Industrial Size/Type

* Minor Width Difference

\$ F-M Number Is Part Of A Kit

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68X275	GARLK	471688	6949S	TIMKE	471141	69787K	TRISL	417506	6J5234	CASE	J1138
68X291	GARLK	471649!	69510K	TRISL	370036A	69788K	TRISL	415058	6J5234	CATER	J1138
68X297	GARLK	471733	69510K	TRISL	370349A	69789K	TRISL	370006A	6J5751	CATER	J1124
68X301	GARLK	471760	695137	CLARK	471504!	6979 C-R		471579*	6J6553	CATER	710039
68X51	GARLK	471526!	6951LPD	JN-MN	471608*	69790K	TRISL	370036A	6J8578	CATER	455053H=
68X53	GARLK	471472!	6951S	SPG	7686S	69790K	TRISL	370349A	6K2430	CATER	416865!
68X55	GARLK	471549!	69520K	TRISL	370065A	69791	CUMMI	474276!	6K3159	CATER	417262!
68X69	GARLK	471535!	695217	ALLCH	486923V=	69791K	TRISL	370021A	6K4186	CATER	416294!
68X71	GARLK	471551!	6953	NATL	44052	69792K	TRISL	370019A	6K9148	CATER	415683
68X85X8AN	ISP	68X85X8	6953	WMG	44052	69793K	TRISL	416892	6L2305	CATER	470687
68X87	GARLK	471466!	6954 C-R		471579*	69794K	TRISL	370023A	6L4237	CATER	472287!
68X90X10SC	TRSCM	68X90X10	6954	SPG	6954S	69795K	TRISL	370030A	6L4944	CATER	473232
68X90X10TC	TRSCM	68X90X10	695410	CLARK	473463	69797K	TRISL	370019A	6L4951	CATER	473224!
68X90X8	ISP	68X90X7*	695463-2	SPICE	100495	69798K	TRISL	370005A	6L5027	CATER	471766!
68X91	GARLK	471255!	695463-2	SPICE	417349	69799K	TRISL	370003A	6L5124	CATER	470954!
68X93	GARLK	471564	695463-3	SPICE	455509	698028	WHITE	370023A	6M029302	MACK	471516!
68X95X10	ISP	68X95X10	6954631	SPICE	471192	698318R91	IH	471689!	6M019303	MACK	471795
690080800	EATON	470565=	6954S	TIMKE	6954S	698444R91	IH	370036A	6M029302	MACK	471516!
690097	EATON	416404=	6955 C-R		471579*	698444R91	NAVST	370349A	6N0403	CATER	481552!
6900997	EATON	416404=	69550	SHOV	471192	698446R91	IH	470530!	6N8853	CATER	3807
6902001	ARMCO	J1141	6956	NATL	44053	698447R91	IH	472179	6V1603	CATER	340827
6902014	EATON	417484	6956	WMG	44053	698448R91	IH	415138!	6V1834	CATER	3802*=
69020R91	GMC	415085!	6956R	JN-MN	472409!	698449R91	IH	410496!	6V1916	CATER	455117=
69020R91	GMC	456648	6957LA	JN-MN	416107!	698457R91	IH	416288	6V3365	CATER	471466!*
69028	HYST	411376!	6957LA	JN-MN	455073	6985	TIMKE	6985	6V3382	CATER	473468
6903A	C-R	416956	69589K	TRISL	370013A	69858	BR-ST	471760	6V3828	CATER	471466*
6906S	TIMKE	6906S	69590K	TRISL	370002A	698764R1	IH	5M497	6V3988	CATER	471267
690764	GMC	415027	69591K	TRISL	370029A	698768	GMC	370037A	6V4253	CATER	471224!
690807	SPERY	417562	69594K	TRISL	AR2+370026A	698768	GMC	370338A	6V4427	CATER	471271!
69084	ALLCH	450104	69596K	TRISL	370065A	6988H	TIMKE	473459	6V5029	CATER	330385!*
69102S	TROS	8974S	69597K	TRISL	370036A	6988S	SPG	473459	6V5038	CATER	447793
69139	CUMMI	473224!	69597K	TRISL	370349A	6990 C-R		471642	6V5038	TMTR	447793
69139C1	IH	473462*	69598K	TRISL	386025A	6992 C-R		710251	6V5259	CATER	413246
691631C91	IH	5624	69598K	TRISL	416158	6994LA	JN-MN	55692=	6V5607	CATER	417621!
691666	WHITE	471267!	69599K	TRISL	370037A	69956	AM WH	471224!	6V6838	CATER	415303!
6916LPD	JN-MN	471563	69599K	TRISL	370338A	69GG4676A9B	FORD	2642	6V7196	CATER	416404!
6920 C-R		471553!	6960	TIMKE	6960	6B1070	CATER	480630!	6V8146	CATER	200961
69215	AM WH	473016!	69623	BOSTN	8597S	6B1073	CATER	480630!	6V8407	CATER	495782
6924A	JOY	415960	69628K	TRISL	AR12+370033A	6B1156	CATER	475384	6V9748	CATER	472653!
6924LA	JN-MN	415001!	6962S	SPG	31031	6B1157	CATER	450533	6X16X5AN(35)	ISP	6X16X5
6926	JOY	476470	69634H	IH	473238	6B1310	CATER	474265	6X16X7	SIMRT	6X16X7
692612	GMC	350435	6964 C-R		471579	6B14538	FORD	471442!	6X16X7SC	TRSCM	6X16X7
6927	JOY	415001!	69647	BOSTN	450621	6B1890	CATER	455144	6X16X7TC	TRSCM	6X16X7
6928	JOY	417316!	6965 C-R		471579	6B203745	FWD	50075=	6X176	CATER	455079*=
69290	CATER	473237!	69656	CUMMI	473224!	6B2576	CATER	473227	6X22X7	FORSH	6X22X7!
69290	TMTR	473237!	69687K	TRISL	370002A	6B2789	CATER	471224!	6X22X7SC	TRSCM	6X22X7!
692956	GMC	410102	69688K	TRISL	370002A	6B305	ALLCH	416888!	6X22X7TC	TRSCM	6X22X7!
6930	TIMKE	6930	69689K	TRISL	AR4+370011A	6B3526	CATER	450040	6X521K	JOHND	6575S
69307R91	IH	415437	69690K	TRISL	370007A	6B3679	CATER	474276!*	7 BL-KN		416865!
69307R91	IH	415437!	69691K	TRISL	370015A	6B5333	CATER	473238	7-19	TW-CO	473010
69319	C-R	455592	69692K	TRISL	370124A	6B8238	CATER	471255!	7-219384	BUC-E	55193=
6932LA	JN-MN	471567!	69693K	TRISL	370012A	6B9040	CATER	472015!	7-AX302	OLIVE	471271!
6932LPD	JN-MN	471567!	69695K	TRISL	370054A	6B9130	CATER	471787!	7-Y1039	KEN	473215!
693323R91	IH	415960	69696K	TRISL	370131A	6B9669	CATER	472185!	70-1-263	TRMBL	733067
6934 C-R		471579*	69698K	TRISL	AR10+370020A	6BD273	IH	415449!	700 UNIVE		416239!
693463-1	SPICE	473228	69699K	TRISL	370001A	6BX6700	FORD	471787	700-1-260	TRMBL	370036A
6935 C-R		471579*	69709AB	CASE	415138!	6D1707	CATER	455031N=	700-1-260	TRMBL	370349A
6935LA	JN-MN	417247!	697119R91	IH	416865!	6EQX4676	FORD	412119	700-1-260C	TRMBL	733067
6935LPD	JN-MN	417247!	6973	SPG	205017	6F1011	MTR-C	343185	700-1-260D	TRMBL	HU013A
69367C1	IH	471159	69740	BR-ST	474255	6F4855	CATER	411	700-1-260E	TRMBL	HU009A
6936LA	JN-MN	473238!	69743K	TRISL	370106A	6F5365	CATER	55276=	700-1-260L	TRMBL	370036A
6936LPD	JN-MN	473238!	697494R91	IH	240731	6F5559	CATER	408	700-1-260L	TRMBL	370349A
6936S	TIMKE	6936S	6975LA	JN-MN	416476!	6F5772	CATER	470712!	700-1-260T	TRMBL	370036A
6939	FULLE	472572!	697632	GMC	370120A	6F848	CATER	450412	700-1-260T	TRMBL	370349A
6939	NATL	9568	69780K	TRISL	370057A	6H3580	CATER	411500	700-1-261B	TRMBL	AR10+370020A
6941LA	JN-MN	455080*	69781K	TRISL	370069A	6H3955	CATER	472164!	700-1-261C	TRMBL	730009
6942R	JN-MN	473242	69781K	TRISL	380069A	6H399	CATER	416956	700-1-261D	TRMBL	HU019A
6943	FULLE	410102	69782K	TRISL	370121A	6H3999	CATER	416956	7000 C-R		18X30X7!
69437	ALLCH	471795	69783K	TRISL	AR20+370004A	6H7049	CATER	476470!	7000 C-R		221820
694389	GMC	730024	69784K	TRISL	370007A	6I0-C1019	REX	471271!	7000 C-R		3816
69478R91	IH	471487	69785K	TRISL	370047A	6J4169	CATER	710016	7000753	FORD	471870!
6948S	SPG	471267!	69786K	TRISL	415437	6J5232	CATER	416364!	700077	CLARK	416167!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
700120	CLARK	55539=	70074962	FI-AL	470898!	70196298	FI-AL	415142	7040LUP	JN-MN	472157!
7001575	FORD	415458!	70075767	FI-AL	470898!	70196495	FI-AL	416339	7041S	SPG	370012A
70016	C-R	416364!	70075978	FI-AL	471276	70196496	FI-AL	415867	7042LPD	JN-MN	417262!
7002	C-R	1015N	70078329	FI-AL	471689!	70198477	FI-AL	416282	7042LUP	JN-MN	417262!
7002	C-R	18X28X6!	70078593	FI-AL	416167!	70198578	FI-AL	415234!	7042S	NATL	416892!
70020	C-R	416364!	70079	C-R	416239!*	70198908	FI-AL	415725!	70430-16A	KRSE	471870!
70021	C-R	416364!	70079276	FI-AL	6703S	701HA516	C-R	7006S	7043014A	KRSE	471765!
70025	C-R	417597	70080	C-R	416239!*	701M6700A1A	FORD	3394	704303	GMC	370057A
70026	C-R	417597	70082179	FI-AL	200640	702	UNIVE	416077	7044139	FT-WA	473237!
700263	WHITE	370001A	70084	C-R	416239!	7020	C-R	18X28X7V	7044A	C-R	472287!
700267	KOEI	472164!	70085	C-R	416239!*	70218284	FI-AL	415960!	7044N	SPG	7044NA
70028	C-R	417597*	700850	MICH	416239!	7021S	SPG	415995!	7044NA	TIMKE	7044NA
7003	C-R	710222	700850	UNIVE	416239!	7021S	SPG	415995!	70462H	IH	472311!
70030	C-R	417597	700879	WHITE	HU034A	7022	AT SU	473317	704636	CLARK	455005
70030504	FI-AL	471567!	7008A	C-R	417356!	7022	SPG	473317	70463H	IH	323138!
70032	C-R	417597	7008A	C-R	455188	70227679	FI-AL	472299* =	70464H	IH	474278!
70033146	FI-AL	473238!	7009	C-R	18X32X7	70229966	FI-AL	472185!	70465H	IH	474276!
700331462	FI-AL	473238!	7009	C-R	18X32X8!	7022LA	JN-MN	55199=	70466H	IH	450400
70034	AM WH	473449	7009	C-R	221830	7022S	TIMKE	473317	7047LA	JN-MN	473224!
70034	C-R	417255	70090655	FI-AL	471224!	7023	C-R	221830	704813	FORD	473234
70037676	FI-AL	472924!	70096	C-R	417564	7023	JN-MN	370065A	704862	UNIVE	416077
7004	C-R	221820	70096761	FI-AL	472164!	7023	JN-MN	376590A	704863	MICH	416077
70040	C-R	416239!	70097	C-R	417564	70234013	FI-AL	473245!	7048LPD	JN-MN	473233!
70042641	FI-AL	471267	70099	C-R	415876	70235312	FI-AL	417344!	704925	GMC	370003A
70043570	FI-AL	450273	700E524	C-R	416666*	70236065	FI-AL	471766!	704VB7	MARI	415116
70044120	FI-AL	474265	700W52-L	C-R	7378	70241139	FI-AL	254287!	70506	AM WH	472397!
70044741	FI-AL	471763	7010	C-R	331173	70241779	FI-AL	471192=	705216	GMC	473179
70045	C-R	416239!	7010513A	HARWA	70X105X13	70241D	IH	471192	70522	CUMMI	417621
70048703	FI-AL	415449!	70107	CUMMI	471765	70242D	IH	472439	705339C1	IH	416071
70048720	FI-AL	471785!	701077	WILYS	50402	70243D	IH	473467	705362C1	IH	415023
7005	C-R	18X32X7	701115M1	MASSE	50266	70244961	FI-AL	473215!	705399C1	IH	416071
7005	C-R	18X32X8!	701119	WILYS	5778	70246926	FI-AL	472258	7054LUP	JN-MN	470712!
7005	C-R	221830	7011LA	JN-MN	474254	70247100	FI-AL	200118=	705762	GMC	370057A
7005	SPG	6930	7011LUP	JN-MN	474254	70250849	FI-AL	JV1582=	7057S	NATL	3103!
70050	C-R	416239!	7012	C-R	221820	70250857	FI-AL	200851	7057S	SPG	3103!
70050420	TROS	370006A	7012	JN-MN	370037A	70258D	IH	473238	7059A	C-R	417211!
70051	C-R	416239!	7012	JN-MN	370338A	70259D	IH	470059	705VB7	MARI	415551
70051145	FI-AL	417205!	701224	GMC	370019A	70259D	IH	470380!	7060	C-R	18X37X8
70052	C-R	416239!	701225	GMC	370021A	7025A	C-R	55539=	70603007	FI-AL	471795
70052115	FI-AL	417247!	701226	ACDEL	370005A	7027LA	JN-MN	415082*	70603010	FI-AL	471649* =
70052115	FIAT	417247!	701226	GMC	370005A	7028	C-R	18X35X8V	70603462	FI-AL	473016!
70052176	FI-AL	415035	701241A	ALLCH	471442!	7028	TIMKE	471554	70604973	FI-AL	416888!
700524	C-R	416666	701241A	WAUKE	471442!	7028VGO	SPG	471554	70605093	FI-AL	450311
700524	CABOT	416666	7013	C-R	1015N	7029	SPG	370004A	70611761	FI-AL	415035
700524	GR-DV	416666	7013	JN-MN	370036A	702VB7	MARI	416239!	70611763	FI-AL	415254
700524M1	C-R	416666	7013	JN-MN	370349A	703078	GMC	416273*	70611765	FI-AL	415035!
70052641	FI-AL	471267	7013S	TIMKE	7013S	70313	CONCA	472572!	70611765	FI-AL	415035
70052662	FI-AL	240735	70140408	FI-AL	470530!	7031LUP	JN-MN	474265	706153	GMC	481181!
70053	C-R	416239!	701463-1	SPICE	415991	7031S	SPG	473234!	706155	GMC	410496=
700532X20	TROS	370006A	701463-1	SPICE	455146!	7032LA	JN-MN	471705!	706165	WILYS	416738!
70053517	FI-AL	417205!	701463-2	SPICE	417366!	7032S	NATL	410059	706165	WILYS	450096
70053670	FI-AL	417316!	7014LA	JN-MN	455032!	7032S	NATL	470380!	70618662	FI-AL	470954!
70053927	FI-AL	240733	7014S	TIMKE	7014S	7032S	SPG	410059	70619888	FI-AL	472179
70054295	FI-AL	411394!	7015	C-R	18X35X7	7032S	SPG	470380!	70619890	FI-AL	416891!
70054815	TROS	416666	7015LA	JN-MN	455022	70337	ALLCH	481163!	70619900	FI-AL	471138!
70059947	FI-AL	470898	7016	C-R	18X35X7	7033LA	JN-MN	470625!	7062	GARLK	240736
7006	C-R	18X32X7V!	70164368	FI-AL	327303!	7033LUP	JN-MN	470625!	70620784	FI-AL	473010
7006	C-R	710156	701663	GMC	730026	7034LA	JN-MN	470954!	70620871	FI-AL	473231!
70060	C-R	416239!	701679	GMC	370005A	703591	FORD	323138!	70623823	FI-AL	472636!
700603002	FI-AL	476838!	70169	CUMMI	473016!	7036R	JN-MN	456105	70624650	FI-AL	451817
70061	C-R	416239!	7016SS	JN-MN	350364	7037S	SPG	9613S	70624653	FI-AL	411376!
70064302	FI-AL	473464!	70171	C-R	JV701	7037SS	JN-MN	350435	70628274	FI-AL	411452=
70064302	FI-AL	473464	70173735	FI-AL	415991	7038S	SPG	473234	70628357	FI-AL	415991
70066309	FI-AL	476470	70179177	FI-AL	455655!	7038SA	TIMKE	473234	70628357	FI-AL	415991!
70067913	FI-AL	471820	70179643	FI-AL	415023	703D6	DIA	5406	70628485	FI-AL	415302
70067914	FI-AL	473214!	70179737	FI-AL	352541	703D6	WHITE	5406	70628724	FI-AL	411452* =
70068513	FI-AL	472144!	7018	C-R	1015N	703VB7	MARI	415116	70628823	FI-AL	472636!
7006S	TIMKE	7006S	70180597	FI-AL	415027=	704	UNIVE	415116	70628894	FI-AL	415379
7007	C-R	710154	70180612	FI-AL	415683	70401179	FI-AL	472016!	70628940	FI-AL	476470!
7007	JN-MN	416158	70181937	FI-AL	416865!	7040LA	JN-MN	472157!	70628940	FI-AL	476470
70073	CUMMI	417486	70194679	FI-AL	476424N	7040LA	JN-MN	472157	70628941	FI-AL	415449!
70074961	FI-AL	412040	70196297	FI-AL	256616* =	7040LUP	JN-MN	472157	70629040	FI-AL	417316!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
70629733	FI-AL	70842	CUMMI	70X95X13SC	TRSCM	710062	TIMKE
70632589	FI-AL	708463-1	SPICE	70X95X13TC	TRSCM	710063	NATL
70632608	FI-AL	708508XX	TIMKE	71 WGEAR		710064	NATL
70632611	FI-AL	708510	GMC	71-0008	MCCOR	710065	TIMKE
70633630	FI-AL	708511	GMC	71-0014	MCCOR	710067	TIMKE
70633630	FI-AL	708551	MIXMO	71-0020	MCCOR	710068	TIMKE
70634005	FI-AL	708556	MIXMO	71-0021	MCCOR	71006864	FI-AL
70634037	FI-AL	70855610	TROS	71-0022	MCCOR		
70634519	FI-AL	708558	MIXMO	71-0024	MCCOR	710069	TIMKE
70635778	FI-AL	708559	MIXMO	71-0025	MCCOR	710070	TIMKE
70643560	FI-AL	708566	MIXMO	71-0027	MCCOR	710071	TIMKE
706463-1	SPICE	708567A	TRSCM	71-0028	MCCOR	710071000	JA-HE
70648620	FI-AL	708573	MIXMO	71-0029	MCCOR		
70648620	FI-AL	708575	MIXMO	710 UNIVE		710072	TIMKE
70649266	FI-AL	708583	MIXMO	710001	NATL	710073	TIMKE
7064S	NATL	708590	MIXMO	710002	NATL	710075	TIMKE
70650577	FI-AL	708600	MIXMO	710003	NATL	710076	TIMKE
70650760	FI-AL	708606	MIXMO	710004	NATL	710077	TIMKE
70651299	FI-AL	708612	MIXMO	710005	TIMKE	710078	TIMKE
70652662	FI-AL	708643	GMC	710006	TIMKE	710080	TIMKE
70654805	FI-AL	708725	GMC	710007	TIMKE	710081	TIMKE
7065480501	FI-AL	708790	GMC	710008	TIMKE	710084	TIMKE
70655619	FI-AL	708790	GMC	710009	CLARK	710085	TIMKE
70657582	FI-AL	7087A	C-R	710009	TIMKE	710086	TIMKE
70658114	FI-AL	7087R	JN-MN	710010	TIMKE	710087	TIMKE
70658942	FI-AL	708808XX	TIMKE	710011	TIMKE	710088	TIMKE
70664412	FI-AL	708812XX	TIMKE	710012	TIMKE	710089	TIMKE
70668033	FI-AL	708875	MICH	710013	TIMKE	710090	TIMKE
70669846	FI-AL	708875	UNIVE	710014	TIMKE	710091	TIMKE
70669847	FI-AL	7089	C-R	710015	TIMKE	710092	TIMKE
70670186	FI-AL	70894	CUMMI	710016	TIMKE	710093	TIMKE
70672497	FI-AL	709007XX	TIMKE	710017	TIMKE	710094	TIMKE
70673983	FI-AL	709010XX	TIMKE	710018	TIMKE	710095	TIMKE
70675473	FI-AL	709204	AVCO	710019	TIMKE	710096	TIMKE
70676141	FI-AL	709212XX	TIMKE	710020	TIMKE	710097	TIMKE
706765	GMC	70927023	FI-AL	710022	TIMKE	710098	TIMKE
70677188	FI-AL	70927283	FI-AL	710023	TIMKE	710101	TIMKE
70680622	FI-AL	70928058	FI-AL	710024	TIMKE	710102	TIMKE
70684806	FI-AL	70928436	FI-AL	710025	TIMKE	710103	TIMKE
70684807	FI-AL	709446	MIXMO	710026	TIMKE	71010409	FI-AL
70686015	FI-AL	709510XX	TIMKE	710027	TIMKE		
70693957	FI-AL	709513XX	TIMKE	710028	TIMKE	710105	TIMKE
70695203	FI-AL	7097A	C-R	710029	TIMKE	710106	TIMKE
70695217	FI-AL	709840C1	IH	710030	TIMKE	710107	TIMKE
70695225	FI-AL	709928	GMC	710031	TIMKE	710108	TIMKE
70696317	FI-AL	709VB7	GR-DV	710032	TIMKE	710109	TIMKE
70699928	FI-AL	70HM6700A1A	FORD	710033	NATL	710110	TIMKE
706VB7	MARI	70X10010XX	TIMKE	71003344	FI-AL	710111	TIMKE
7070	C-R	70X10013XX	TIMKE	710034	TIMKE	710112	TIMKE
70703	ALLCH	70X100X10ASN	ISP	710035	TIMKE	710113	TIMKE
707237	WILYS	70X100X13SC	TRSCM	710036	TIMKE	710114	TIMKE
70735242	FI-AL	70X100X13TC	TRSCM	710038	TIMKE	710115	TIMKE
7073553	ELGIN	70X10507XX	TIMKE	710039	TIMKE	710116	TIMKE
7073LA	JN-MN	70X10513XX	TIMKE	710040	TIMKE	710117	TIMKE
7073LUP	JN-MN	70X105X13	SIMRT	710041	TIMKE	710118	TIMKE
707414	WILYS	70X105X13AN	ISP	710042	TIMKE	710119	TIMKE
7074R	JN-MN	70X105X13AN	ISP	710043	TIMKE	710120	TIMKE
707533-6	IH	70X11010XX	TIMKE	710044	TIMKE	710121	TIMKE
70761	CUMMI	70X110X10AN	ISP	710045	TIMKE	710122	TIMKE
7076270	WHITE	70X85X8SC	TRSCM	710046	TIMKE	710123	TIMKE
707821	WILYS	70X85X8TC	TRSCM	71004911	FI-AL	710124	TIMKE
707943	MIXMO	70X88X12SC	TRSCM	710050	NATL	710125	TIMKE
707963	MIXMO	70X88X12TC	TRSCM	710051	TIMKE	710126	TIMKE
707973	WILYS	70X88X8SC	TRSCM	71005117	FI-AL	710127	TIMKE
7079LA	JN-MN	70X88X8TC	TRSCM	710053	TIMKE	710128	TIMKE
707VB7	MARI	70X90X10	ISP	710054	NATL	710129	TIMKE
708	UNIVE	70X90X10SC	TRSCM	710055	TW-CO	710130	TIMKE
7080	C-R	70X90X10TC	TRSCM	710056	TIMKE	710131	TIMKE
70805	C-R	70X92X12SC	TRSCM	710057	TIMKE	710132	TIMKE
7081	C-R	70X92X12TC	TRSCM	710058	TIMKE	710133	TIMKE
7082	C-R	70X95X10SC	TRSCM	710060	TIMKE	710134	TIMKE
70826TA	TRSCM	70X95X10TC	TRSCM	710061	TIMKE	710135	TIMKE
						710136	TIMKE
						710137	TIMKE
						710138	TIMKE

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
710139	TIMKE	710139	710216	TIMKE	710216	710290	TIMKE	710290	710360	TIMKE	710360
710140	TIMKE	710140	710217	TIMKE	710217	710291	TIMKE	710291	710361	TIMKE	710361
710141	TIMKE	710141	710218	TIMKE	710218	710292	TIMKE	710292	710362	TIMKE	710362
710142	TIMKE	710142	710219	TIMKE	710219	710293	TIMKE	710293	710363	TIMKE	710363
710143	TIMKE	710143	710220	TIMKE	710220	710294	TIMKE	710294	710364	TIMKE	710364
710144	TIMKE	710144	710221	TIMKE	710221	710295	TIMKE	710295	710365	TIMKE	710365
710145	TIMKE	710145	710222	TIMKE	710222	710296	TIMKE	710296	710366	TIMKE	710366
710146	TIMKE	710146	710223	TIMKE	710223	710297	TIMKE	710297	710367	TIMKE	710367
710147	TIMKE	710147	710224	TIMKE	710224	710298	TIMKE	710298	710368	TIMKE	710368
710148	TIMKE	710148	710225	TIMKE	710225	710299	TIMKE	710299	710369	TIMKE	710369
710148	WILYS	416738!	710226	TIMKE	710226	710300	TIMKE	710300	710370	TIMKE	710370
710148	WILYS	450096	710227	TIMKE	710227	710301	TIMKE	710301	710371	TIMKE	710371
710149	TIMKE	710149	710228	TIMKE	710228	710302	TIMKE	710302	710372	TIMKE	710372
710150	TIMKE	710150	710229	TIMKE	710229	710303	TIMKE	710303	710373	TIMKE	710373
710151	TIMKE	710151	710230	TIMKE	710230	710304	TIMKE	710304	710374	TIMKE	710374
710152	TIMKE	710152	710231	TIMKE	710231	710305S	TIMKE	710305	710375	TIMKE	710375
710153	TIMKE	710153	710232	TIMKE	710232	710306	TIMKE	710306	710376	TIMKE	710376
710154	TIMKE	710154	710233	TIMKE	710233	710307	TIMKE	710307	710377	TIMKE	710377
710155	TIMKE	710155	710234	TIMKE	710234	710308	TIMKE	710308	710378	TIMKE	710378
710156	TIMKE	710156	710235	TIMKE	710235	710309	TIMKE	710309	710379	TIMKE	710379
710157	TIMKE	710157	710236	TIMKE	710236	710310	TIMKE	710310	710380	TIMKE	710380
710158	TIMKE	710158	710237	TIMKE	710237	710311	TIMKE	1213N	710381	TIMKE	710381
710159	TIMKE	710159	710238	TIMKE	710238	710312	TIMKE	710312	710382	TIMKE	710382
710160	TIMKE	710160	710239	TIMKE	710239	710313	TIMKE	710313	710383	TIMKE	710383
710161	TIMKE	710161	710240	TIMKE	710240	710314	TIMKE	710314	710384	TIMKE	710384
710162	TIMKE	473241	710241	TIMKE	710241	710315	TIMKE	710315	710385	TIMKE	710385
710163	TIMKE	710163	710242	TIMKE	710242	710316	TIMKE	710316	710386	TIMKE	710386
710164	TIMKE	710164	710243	TIMKE	710243	710317	TIMKE	710317	710387	TIMKE	710387
710165	TIMKE	710165	710244	TIMKE	710244	710318	TIMKE	710318	710388	TIMKE	710388
710166	TIMKE	710166	710245	TIMKE	710245	710319	TIMKE	710319	710389	TIMKE	710389
710167	TIMKE	710167	710246	TIMKE	710246	710320	TIMKE	710320	710390	TIMKE	710390
710168	TIMKE	710168	710247	TIMKE	710247	710321	TIMKE	710321	710391	TIMKE	710391
710169	TIMKE	710169	710248	TIMKE	710248	710322	TIMKE	710322	710392	TIMKE	710392
710170	TIMKE	710170	710249	TIMKE	710249	710323	TIMKE	710323	710393	TIMKE	710393
710171	TIMKE	710171	710250	TIMKE	710250	710324	TIMKE	710324	710394	TIMKE	710394
710172	TIMKE	710172	710251	TIMKE	710251	710325	TIMKE	710325	710395	TIMKE	710395
710173	TIMKE	710173	710252	TIMKE	710252	710326	TIMKE	710326	710396	TIMKE	710396
710174	TIMKE	710174	710253	TIMKE	710253	710327	TIMKE	710327	710397	TIMKE	710397
710175	TIMKE	710175	710254	TIMKE	710254	710328	TIMKE	710328	710398	TIMKE	710398
710176	TIMKE	710176	710255	TIMKE	710255	710329	TIMKE	710329	710399	TIMKE	710399
710178	TIMKE	710178	710256	TIMKE	710256	710330	TIMKE	710330	710400	TIMKE	710400
710179	TIMKE	710179	710258	TIMKE	710258	710331	TIMKE	710331	710401	TIMKE	710401
710180	TIMKE	710180	710259	TIMKE	710259	710332	TIMKE	710332	710402	TIMKE	710402
710182	TIMKE	710182	710260	TIMKE	710260	710333	TIMKE	710333	710403	TIMKE	710403
710183	TIMKE	710183	710261	TIMKE	710261	710334	TIMKE	710334	710404	TIMKE	710404
710186	TIMKE	710186	710262	TIMKE	710262	710335	TIMKE	710335	710405	TIMKE	710405
710187	TIMKE	710187	710263	TIMKE	710263	710336	TIMKE	710336	710406	TIMKE	710406
710188	TIMKE	710188	710264	TIMKE	710264	710337	TIMKE	710337	710407	TIMKE	710407
710189	TIMKE	710189	710265	TIMKE	710265	710338	TIMKE	710338	710408	TIMKE	710408
710190	TIMKE	710190	710266	TIMKE	710266	710339	TIMKE	710339	710409	TIMKE	710409
710191	TIMKE	710191	710267	TIMKE	710267	710340	TIMKE	710340	710410	TIMKE	710410
710192	TIMKE	710192	710268	TIMKE	710268	710341	TIMKE	710341	710411	TIMKE	710411
710193	TIMKE	710193	710269	TIMKE	710269	710342	TIMKE	710342	710412	TIMKE	710412
710194	TIMKE	710194	710270	TIMKE	710270	710343	TIMKE	710343	710413	TIMKE	710413
710195	TIMKE	710195	710271	TIMKE	710271	710344	TIMKE	710344	710414	TIMKE	710414
710196	TIMKE	710196	710272	TIMKE	710272	710345	TIMKE	710345	710415	TIMKE	710415
710197	TIMKE	710197	710273	TIMKE	710273	710346	TIMKE	710346	710416	TIMKE	710416
710198	TIMKE	710198	710274	TIMKE	710274	710347	TIMKE	710347	710417	TIMKE	710417
710199	TIMKE	710199	710275	TIMKE	710275	710348	TIMKE	710348	710418	TIMKE	710418
710201	TIMKE	710201	710276	TIMKE	710276	710349	TIMKE	710349	710419	TIMKE	710419
710202	TIMKE	710202	710277	TIMKE	710277	710350	TIMKE	710350	710420	TIMKE	710420
710203	TIMKE	710203	710278	TIMKE	710278	710351	TIMKE	710351	710421	TIMKE	710421
710204	TIMKE	710204	710279	TIMKE	710279	710352	TIMKE	710352	710422	TIMKE	710422
710205	TIMKE	710205	710281	TIMKE	710281	710353	TIMKE	710353	710424	TIMKE	710424
710207	TIMKE	710207	710282	TIMKE	710282	710354	TIMKE	710354	710425	TIMKE	710425
710208	TIMKE	710208	710283	TIMKE	710283	710355	TIMKE	710355	710426	TIMKE	710426
710209	TIMKE	710209	710284	TIMKE	710284	710356	TIMKE	710356	710428	TIMKE	710428
710210	TIMKE	710210	710285	TIMKE	710285	710357	TIMKE	710357	710429	TIMKE	710429
710211	TIMKE	710211	710286	TIMKE	710286	710358	NATL	473231	710430	TIMKE	710430
710213	TIMKE	710213	710287	TIMKE	1213N	710358	TIMKE	473231	710431	TIMKE	710431
710214	TIMKE	710214	710288	TIMKE	710288	710359	TIMKE	710359	710432	TIMKE	710432
710215	TIMKE	710215	710289	TIMKE	710289	710360	GMC	370019A	710433	TIMKE	710433

! Industrial Size/Type

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710435	TIMKE	710435	71143453	FI-AL	471341 *	712397	GMC	473464!	714579C1	IH	JX1190
710436	TIMKE	710436	711535	SPERY	473239!	7124	C-R	470506!	714599	WHITE	417484!
710437	TIMKE	710437	711552	TIMKE	711552	712449	TIMKE	712449	7145LPD	JN-MN	416892! *
710438	TIMKE	710438	711553	TIMKE	711553	71245	C-R	416077	7145LUP	JN-MN	416892!
710439	TIMKE	710439	711664	WILYS	6489	7125	C-R	470506!	7146	C-R	50026 *
710440	TIMKE	710440	711669	WILYS	6489	71250	C-R	416077	714616	TIMKE	714616
710441	TIMKE	710441	7116LA	JN-MN	471224!	71251	C-R	416077	714619	TIMKE	714619
710442	TIMKE	710442	7116LUP	JN-MN	471224!	712511	TIMKE	712511	7146310	SPICE	412473!
710443	TIMKE	710443	711780HB	IH	472185!	712512	TIMKE	712512	7146311	SPICE	415995!
710444	TIMKE	710444	711818	C-R	722108	712551	TIMKE	712551	7146312	SPICE	457291 =
710445	TIMKE	710445	711822	C-R	710044	712598S	TIMKE	712598	7146313	SPICE	472164!
710446	TIMKE	710446	712	UNIVE	455406!	7126	C-R	470506!	7146314	SPICE	412473!
710450	TIMKE	710450	712000	TIMKE	712000	712625	TIMKE	712625	7146315	SPICE	471171!
710451	TIMKE	710451	712001	TIMKE	712001	712750	TIMKE	415991	7146317	SPICE	471267!
710452	TIMKE	710452	712003	TIMKE	712003	712831	GMC	471506	7146319	SPICE	471646!
710463-1	SPICE	472636!	712004	TIMKE	712004	712832	GMC	370012A	714632	SPICE	415995!
710501	TIMKE	710501	712005	TIMKE	712005	712833	GMC	418028	7146325	SPICE	415995!
710502	TIMKE	710502	712006	TIMKE	712006	712834	GMC	417505	7146326-1	SPICE	473242 =
710504	TIMKE	710504	712007	TIMKE	712007	712887	UNIVE	455117	714634	SPICE	417171!
710505	TIMKE	710505	712008	TIMKE	712008	7128LA	JN-MN	417316!	714635	SPICE	415137!
710506	TIMKE	710506	712009	TIMKE	712009	7128LUP	JN-MN	417316!	714635	SPICE	418028
710507	TIMKE	710507	712010	TIMKE	712010	712937	TIMKE	712937	714636	SPICE	417171!
710508	TIMKE	710508	712011	TIMKE	712011	712938	TIMKE	712938	714637	SPICE	418028
710509	TIMKE	710509	712012	TIMKE	712012	712998	GMC	5188!	714637	SPICE	455137!
710510	TIMKE	710510	712013	TIMKE	471689	712999	GMC	5189	714639	SPICE	470059
710511	TIMKE	710511	712014	TIMKE	470954	7129S	SPG	6575S	714639	SPICE	470380!
710512	TIMKE	710512	712015	TIMKE	471267	7130	C-R	470506!	714654	TIMKE	470530
710513	TIMKE	710513	712016	TIMKE	471224	7130LA	JN-MN	415036	714655	TIMKE	714655
710514	TIMKE	710514	712017	TIMKE	471466	7131	C-R	470506!	714662	TIMKE	714662
710515	TIMKE	710515	712018	TIMKE	712018	7131	TIMKE	7131	714670	TIMKE	415449
710516	TIMKE	710516	712019	TIMKE	330699	7131R	JN-MN	470898	714675	TIMKE	714675
710517	TIMKE	710517	712020	TIMKE	712020	713250	NATL	5609	714679	TIMKE	714679
710519	TIMKE	710519	712021	TIMKE	712021	713256	WHITE	474278!	7146LPD	JN-MN	415379
710520	TIMKE	710520	712022	TIMKE	712022	713273	WHITE	5406	7146LPD	JN-MN	415379!
710521	TIMKE	710521	712023	TIMKE	712023	713290	WHITE	412119	7146LUP	JN-MN	415379!
710522	TIMKE	710522	712024	TIMKE	471466	713416	C-R	55539 =	7146LUP	JN-MN	415379
710523	TIMKE	710523	712025	TIMKE	712025	713463-1	SPICE	472179	714702	WHITE	370036A
710524	TIMKE	710524	712026	TIMKE	252277	713518	C-R	55358 =	714702	WHITE	370349A
710525	TIMKE	710525	712027	TIMKE	470954	713528	BUC-E	416476!	714713	TIMKE	415035
710526	TIMKE	710526	712028	TIMKE	712028	713528	C-R	416476!	714750	TIMKE	714750
710527	TIMKE	710527	712045	MIXMO	473459	713528	GR-DV	55078S	714810	TIMKE	100495
710528	TIMKE	710528	712100	TIMKE	712100	713528	MINMA	416476!	714810	TIMKE	714810
710529	TIMKE	710529	712101	TIMKE	712101	713528M1	C-R	416476!	71489	C-P	330385
710536	GMC	418028	712102	TIMKE	712102	71364	C-R	455330!	715000	NATL	39801
710562	TIMKE	710562	712103	TIMKE	712103	71364M1	C-R	455330!	7151	C-R	50026 *
7105S	TIMKE	7105S	712104	TIMKE	712104	713655	TIMKE	713655	715100	TIMKE	715100
710695	CLARK	455026	712106	TIMKE	712106	713750	NATL	2377	71524C91	IH	416380!
7107	SPG	7107A =	712107	TIMKE	712107	713750	TIMKE	713750	715319	TIMKE	417495
7107LA	JN-MN	415066 *	712108	TIMKE	712108	713771	TIMKE	713771	7154S	TIMKE	7154S
710800	TIMKE	710800	712109	TIMKE	712109	713777	SPICE	J1063 =	715506	GMC	370015A
710802	CLARK	416888!	712110	TIMKE	712110	7138A	C-R	471442!	71558	CROWN	472311!
710805	CLARK	415437	712111	TIMKE	712111	71390	VICK	471821!	7156	C-R	50026
710805	CLARK	415437!	712112	TIMKE	712112	713938	WHITE	472636!	7157	C-R	50026
7108LA	JN-MN	55224 =	712113	TIMKE	712113	7138528	C-R	416476!	715707	WHITE	470530!
710925	TIMKE	710925	712114	TIMKE	712114	713BMM528	C-R	416476! *	715767	WHITE	470530!
710939	WILYS	416738!	712115	TIMKE	712115	714	UNIVE	455121	7158RPD	JN-MN	471466!
710939	WILYS	450096	712116	TIMKE	712116	71406	BOSTN	450536	71597C91	IH	452222!
710983	CLARK	416865!	712118	TIMKE	712118	71406	BOSTN	471535!	7160	ALLCH	472924!
710984	CLARK	417134	712119	TIMKE	712119	714075	TIMKE	714075	7160	C-R	240027 =
710985	CLARK	415150!	712120	TIMKE	712120	714260	GMC	470712!	7160	TRAC	472924!
7109LA	JN-MN	40769S	712122	TIMKE	712122	714400	GMC	222510	71607XX	TIMKE	7X16X7
711000	TIMKE	711000	712123	TIMKE	712123	714400	GMC	25X35X7!	716102	TIMKE	716102
71102	AM WH	474264	712124	TIMKE	712124	714436	TIMKE	714436	716445	TIMKE	716445
711035	WOOL	416865!	712125	TIMKE	712125	714470	TIMKE	416404	716484	TIMKE	716484
7110LA	JN-MN	415458!	712126	TIMKE	712126	7144A	C-R	473016!	7165RPD	JN-MN	415066
7110LUP	JN-MN	415458!	712146	TIMKE	712146	7144LPD	JN-MN	417539! *	716689	WHITE	476470!
7112	FULLE	471686	7122	C-R	50405	714503	TIMKE	714503	716689	WHITE	476470
711200	TIMKE	711200	712250	TIMKE	471272	714512	TIMKE	714512	7166RPD	JN-MN	415036
7112LA	JN-MN	415645!	712260	TIMKE	712260	714550	WHITE	471554!	716761	WHITE	415060
7112LA	JN-MN	455104	712270	TIMKE	712270	714558	NATL	4795V	716761	WHITE	455060
7112LUP	JN-MN	415645!	712375	TIMKE	712375	714559	NATL	4795V	716888	WHITE	416654!
7113LA	JN-MN	416891!	712397	GMC	473464	714569	TIMKE	714569	71690	ALLCH	40438S

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716900	UNIVE	415551	71A7055	GARLK	471689	72-080825	BUC-E	417597	72-122445	BUC-E	471649!
716901	MICH	415551	71A7080	GARLK	42352S	72-082500	BUC-E	417602!	72-122457	BUC-E	471689!
71696C1	IH	415458!	71A7082	GARLK	40494S	72-08250M	BUC-E	417602!	72-122600	BUC-E	415449!
71697C1	IH	473467	71B2	WHITE	471316	72-082595	BUC-E	415124	72-122750	BUC-E	472636!
71700	ALLCH	45013S	71WG7048AA	FORD	2503	72-08300M	BUC-E	415090	72-12275M	BUC-E	472636!
717003	NATL	417967!	71WG7048AA	FORD	2503N	72-083150	BUC-E	417020	72-125250	BUC-E	417604
717004	TIMKE	717004	71WG7657AA	FORD	2443	72-08315M	BUC-E	417020	72-125500	BUC-E	417567
717005	TIMKE	717005	71WG7657BA	FORD	2551	72-083650	BUC-E	415482	72-12550M	BUC-E	417567
717006	TIMKE	717006	71X5239	GARLK	471413	72-08365M	BUC-E	415482	72-125580	BUC-E	455129
71719C1	IH	471835!	71X6069	GARLK	8792S	72-085105	BUC-E	417608	72-128500	BUC-E	471466!
717410	WHITE	415991	71X6133	GARLK	254287	72-089720	BUC-E	472924!	72-134950	BUC-E	417606
717410	WHITE	415991!	71X6156	GARLK	471270!	72-09050M	BUC-E	470530!	72-135250	BUC-E	55224=
717703	WHITE	476470!	71X6284	GARLK	341022	72-09050V	BUC-E	470530!	72-138385	BUC-E	340797
717703	WHITE	476470	71X6304	GARLK	310841	72-093000	BUC-E	472397!	72-13925V	BUC-E	470954!
7179S	SPG	418028	71X7007	GARLK	240470	72-09300VM	BUC-E	472397!	72-14333	BUC-E	471267!
7180LPD	JN-MN	415482	71X7011	GARLK	342805	72-093500	BUC-E	473463	72-143330	BUC-E	471570!
7180LUP	JN-MN	415482	71X7012	GARLK	342805	72-09350V	BUC-E	473463	72-14335M	BUC-E	481644
718130	WHITE	410308!	71X7013	GARLK	8792S	72-095050	BUC-E	417349	72-143381	BUC-E	471413
718170	WHITE	415085!	71X7020	GARLK	340387	72-09505V	BUC-E	417349	72-143390	BUC-E	340136
718170	WHITE	456648	71X7021	GARLK	340724!	72-09600	BUC-E	415995!	72-143395	BUC-E	470380!
718214	WHITE	410987!	71X7023	GARLK	471466	72-096000	BUC-E	415995!	72-143396	BUC-E	417357
718302	WHITE	450065	71X7024	GARLK	351487	72-096050	BUC-E	415995!	72-143396	BUC-E	455192!
71855C1	IH	416921!	71X7033	GARLK	470954!	72-096390	BUC-E	415001!	72-143410	BUC-E	472179
718610	TIMKE	718610	71X7034	GARLK	471554	72-097380	BUC-E	417351!	72-143475	BUC-E	5458\$
718657	WHITE	415697!	71X7055	GARLK	471689	72-09738M	BUC-E	417351!	72-148500	BUC-E	471570!
718657	WHITE	455547	71X7080	GARLK	340400	72-09857	BUC-E	417487	72-14850E	BUC-E	471570!
7186LPD	JN-MN	416107!	71X7090	GARLK	442110=	72-09900M	BUC-E	417487	72-153500	BUC-E	471270!
7186LPD	JN-MN	455073	71X7093	GARLK	310841	72-100993	BUC-E	455019!	72-15350V	BUC-E	472560N!
7186LUP	JN-MN	416107!	71X8000	GARLK	7014S	72-101250	BUC-E	415035	72-153950	BUC-E	415656
7186LUP	JN-MN	455073	72-0002	MCCOR	13069	72-10125M	BUC-E	415035	72-157600	BUC-E	474278!
7186S	TIMKE	7186S	72-063350	BUC-E	441130	72-10125M	BUC-E	415035!	72-15760V	BUC-E	474278!
718770	WHITE	410737!	72-063400	BUC-E	471224	72-101499	BUC-E	415035	72-158405	BUC-E	40301S
718773	WHITE	470565!	72-06340N	BUC-E	471224	72-101499	BUC-E	415035!	72-159395	BUC-E	470898
7187LPD	JN-MN	472157	72-063415	BUC-E	471224!	72-101500	BUC-E	415035	72-159578	BUC-E	40520S
7187LPD	JN-MN	472157!	72-063550	BUC-E	472560N	72-101500	BUC-E	415035!	72-160365	BUC-E	450412
7187LUP	JN-MN	472157!	72-063600	BUC-E	473380	72-101505	BUC-E	415035	72-160537	BUC-E	415303!
7187LUP	JN-MN	472157	72-06385	BUC-E	471689!	72-101505	BUC-E	415035!	72-160550	BUC-E	416956
71884A	MC-CL	470954!	72-063850	BUC-E	471689!	72-10150VE	BUC-E	415035	72-160750	BUC-E	471341!
718895	SPERY	415035=	72-064350	BUC-E	472258!	72-10150VE	BUC-E	415035!	72-161000	BUC-E	472015!
7188S	TIMKE	7188S	72-064500	BUC-E	240319	72-104110	BUC-E	417357	72-16100M	BUC-E	472015!
719021	C-R	357	72-06471	NORDG	416706!	72-104110	BUC-E	455192!	72-161050	BUC-E	471272!
7190LPD	JN-MN	476470	72-064980	BUC-E	42352S	72-10412	BUC-E	417357	72-16500V	BUC-E	473243
7190LUP	JN-MN	476470	72-065660	BUC-E	473215!	72-10412	BUC-E	455192!	72-17100M	BUC-E	413469!
71910C1	IH	473010!	72-066000	BUC-E	6966S	72-104120	BUC-E	417357	72-17115	BUC-E	411253!
71915	VICK	417316!	72-06650V	BUC-E	473228!	72-104120	BUC-E	455192!	72-171150	BUC-E	411253!
7191LPD	JN-MN	416892!*	72-066550	BUC-E	473228!	72-10418	BUC-E	415036	72-174325	BUC-E	416404!
7192	ALLCH	471692!	72-06925	BUC-E	40401	72-104180	BUC-E	415036	72-174326	BUC-E	416404!
7192	TRAC	471692!	72-069250	BUC-E	40401	72-105500	BUC-E	415041	72-174352	BUC-E	455024
7192LPD	JN-MN	417520*	72-071500	BUC-E	4148	72-10550V	BUC-E	415041	72-174365	BUC-E	417492
719316	TIMKE	719316	72-071500	BUC-E	471424!	72-10785M	BUC-E	416865!	72-174385	BUC-E	415991
719373	GMC	411330!	72-071800	BUC-E	40360S!	72-10788	BUC-E	472185!	72-174385	BUC-E	455146!
719374	GMC	472636!	72-072450	BUC-E	472924!	72-107880	BUC-E	416865!	72-174390	BUC-E	415991
7193LPD	JN-MN	417554!	72-07600V	BUTBN	40337S	72-108250	BUC-E	416865!	72-174390	BUC-E	455146!
7193LUP	JN-MN	417554!	72-076100	BUC-E	40316S	72-10825V	BUC-E	416865!	72-175746	BUC-E	415498
719463-1	SPICE	473460	72-076350	BUC-E	416271!	72-110525	BUC-E	417262!	72-177145	BUC-E	472636!
71947	ALLCH	416339	72-076390	BUC-E	415001!	72-112000	BUC-E	330385!	72-177150	BUC-E	415234!
71947	ALLCH	455031!	72-076900	BUC-E	415995!	72-11225M	BUC-E	415072	72-17715V	BUC-E	415234!
7194LPD	JN-MN	455480!*	72-077000	BUC-E	416921!	72-11250	BUC-E	415072	72-177450	BUC-E	417205!
7195LPD	JN-MN	415036*	72-077210	BUC-E	45013S	72-112500	BUC-E	415072	72-177875	BUC-E	45187S
7195LUP	JN-MN	415036	72-077550	BUC-E	5971	72-112501	BUC-E	415072	72-178095	BUC-E	415035
7199LPD	JN-MN	415035	72-077570	BUC-E	412473!	72-11250MV	BUC-E	415072	72-178095	BUC-E	415035!
7199LPD	JN-MN	415035!	72-077710	BUC-E	345146	72-11275V	BUC-E	415072	72-179170	BUC-E	417621!
7199LUP	JN-MN	415035	72-077720	BUC-E	415991	72-115950	BUC-E	416364!	72-179175	BUC-E	417621!
7199LUP	JN-MN	415035!	72-077720	BUC-E	455146!	72-11600V	BUC-E	472560N!	72-179995	BUC-E	415196!
71A7016	GARLK	471472=	72-078050	BUC-E	415437	72-116800	BUC-E	240731	72-180150	BUC-E	416288!
71A7021	GARLK	351487	72-078190	BUC-E	34503S	72-12000V	BUC-E	416239!	72-18015V	BUC-E	416288!
71A7023	GARLK	240009*	72-078200	BUC-E	416339	72-120250	BUC-E	416239!	72-180300	BUC-E	476470
71A7032	GARLK	470954*	72-078200	BUC-E	455031!	72-120251	BUC-E	416239!	72-18031	BUC-E	476470
71A7033	GARLK	470954	72-078360	BUC-E	455189	72-12025M	BUC-E	416239!	72-180310	BUC-E	476470
71A7034	GARLK	471554	72-080325	BUC-E	415072	72-122100	BUC-E	416654!	72-183150	BUC-E	415023
71A7045	GARLK	417267	72-080328	BUC-E	415072	72-122300	BUC-E	455194	72-183300	BUC-E	418028
71A7052	GARLK	471224*	72-080342	BUC-E	455583N!	72-122430	BUC-E	415725!	72-183300	BUC-E	455137!

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
72-183305	BUC-E	72-202141	BUC-E	72-26625	BUC-E	72-322950	BUC-E
72-183994	BUC-E	72-202141M	BUC-E	72-266250	BUC-E	72-322950	BUC-E
72-184591	BUC-E	72-202151	BUC-E	72-266250V	BUC-E	72-324750	BUC-E
72-185450	BUC-E	72-20234	BUC-E	72-269250	BUC-E	72-325850	BUC-E
72-185760	BUC-E	72-202340	BUC-E	72-26925M	BUC-E	72-325900	BUC-E
72-18576M	BUC-E	72-202447	BUC-E	72-269850	BUC-E	72-325900	BUC-E
72-18600	BUC-E	72-202447	BUC-E	72-269900	BUC-E	72-32590V	BUC-E
72-18600	BUC-E	72-202447M	BUC-E	72-272600	BUC-E	72-32590V	BUC-E
72-186100	BUC-E	72-202630	BUC-E	72-27260V	BUC-E	72-32595E	BUC-E
72-18610M	BUC-E	72-207300	BUC-E	72-27260V	BUC-E	72-326000	BUC-E
72-186250	BUC-E	72-20730V	BUC-E	72-274250	BUC-E	72-326000	BUC-E
72-186280	BUC-E	72-212300	BUC-E	72-274300	BUC-E	72-32600M	BUC-E
72-186300	BUC-E	72-21230M	BUC-E	72-277600	BUC-E	72-32600M	BUC-E
72-18630M	BUC-E	72-212800	BUC-E	72-27760M	BUC-E	72-326900	BUC-E
72-18630M	BUC-E	72-213800	BUC-E	72-282600	BUC-E	72-32700	BUC-E
72-186400	BUC-E	72-21380M	BUC-E	72-28260V	BUC-E	72-327000	BUC-E
72-18640M	BUC-E	72-21630	BUC-E	72-28560	BUC-E	72-328950	BUC-E
72-186500	BUC-E	72-216300	BUC-E	72-29075	BUC-E	72-32895M	BUC-E
72-18650M	BUC-E	72-21630M	BUC-E	72-290750	BUC-E	72-32905M	BUC-E
72-186750	BUC-E	72-21680V	BUC-E	72-290850	BUC-E	72-32915M	BUC-E
72-18675M	BUC-E	72-21710	BUC-E	72-292392	BUC-E	72-32915M	BUC-E
72-186850	BUC-E	72-217100	BUC-E	72-29585V	BUC-E	72-329250	BUC-E
72-18685V	BUC-E	72-21710M	BUC-E	72-295950	BUC-E	72-32925EV	BUC-E
72-18685VE	BUC-E	72-22065	BUC-E	72-29595VE	BUC-E	72-32935V	BUC-E
72-18710M	BUC-E	72-220650	BUC-E	72-29650	BUC-E	72-32935V	BUC-E
72-187200	BUC-E	72-220750	BUC-E	72-296500	BUC-E	72-329400	BUC-E
72-18720M	BUC-E	72-22080V	BUC-E	72-29795V	BUC-E	72-329400	BUC-E
72-187675	BUC-E	72-22090V	BUC-E	72-297960	BUC-E	72-329450	BUC-E
72-18860M	BUC-E	72-22238E	BUC-E	72-298250	BUC-E	72-32945MEV	BUC-E
72-189200	BUC-E	72-222400	BUC-E	72-298251	BUC-E	72-334450	BUC-E
72-19020V	BUC-E	72-223370	BUC-E	72-29830V	BUC-E	72-33445E	BUC-E
72-19052	BUC-E	72-22374	BUC-E	72-298950	BUC-E	72-334460	BUC-E
72-190520	BUC-E	72-224225	BUC-E	72-29895V	BUC-E	72-334550	BUC-E
72-193640	BUC-E	72-230900	BUC-E	72-299050	BUC-E	72-33455VE	BUC-E
72-193840	BUC-E	72-23090M	BUC-E	72-29905MV	BUC-E	72-334650	BUC-E
72-193860	BUC-E	72-230920	BUC-E	72-30085	BUC-E	72-339540	BUC-E
72-193900	BUC-E	72-23290E	BUC-E	72-300850	BUC-E	72-339550	BUC-E
72-193900	BUC-E	72-23290E	BUC-E	72-30195R	BUC-E	72-33955E	BUC-E
72-193901	BUC-E	72-23295	BUC-E	72-302050	BUC-E	72-339650	BUC-E
72-193901	BUC-E	72-23295	BUC-E	72-302100	BUC-E	72-339665	BUC-E
72-193909	BUC-E	72-23295	BUC-E	72-304050	BUC-E	72-339700	BUC-E
72-193909	BUC-E	72-23300	BUC-E	72-30495E	BUC-E	72-339710	BUC-E
72-19390E	BUC-E	72-23300	BUC-E	72-305000	BUC-E	72-344650	BUC-E
72-19390E	BUC-E	72-233000	BUC-E	72-307900	BUC-E	72-34465M	BUC-E
72-198200	BUC-E	72-233000	BUC-E	72-307950	BUC-E	72-34LPD JN-MN	
72-19820M	BUC-E	72-23300VM	BUC-E	72-307955	BUC-E	72-35465ME	BUC-E
72-198450	BUC-E	72-23300VM	BUC-E	72-30795ME	BUC-E	72-354670	BUC-E
72-198451	BUC-E	72-233500	BUC-E	72-311650	BUC-E	72-35475E	BUC-E
72-19845M	BUC-E	72-23600V	BUC-E	72-31165M	BUC-E	72-354850	BUC-E
72-19870M	BUC-E	72-237285	BUC-E	72-312950	BUC-E	72-35485VE	BUC-E
72-199700	BUC-E	72-238010	BUC-E	72-31295V	BUC-E	72-35495	BUC-E
72-199701	BUC-E	72-238600	BUC-E	72-31300	BUC-E	72-354950	BUC-E
72-199702	BUC-E	72-23860E	BUC-E	72-313000	BUC-E	72-35495VE	BUC-E
72-199702	BUC-E	72-239815	BUC-E	72-31420V	BUC-E	72-359875	BUC-E
72-19970M	BUC-E	72-240441	BUC-E	72-314750	BUTBN	72-359940	BUC-E
72-199720	BUC-E	72-242250	BUC-E	72-31475V	BUTBN	72-359950	BUC-E
72-200180	BUC-E	72-24275M	BUC-E	72-31530V	BUC-E	72-35995M	BUC-E
72-200180M	BUC-E	72-24300V	BUC-E	72-31535V	BUC-E	72-360050	BUC-E
72-20030V	BUC-E	72-24800	BUC-E	72-315685	BUC-E	72-36005EM	BUC-E
72-200925	BUC-E	72-24800V	BUC-E	72-315850	BUC-E	72-360100	BUC-E
72-200925	BUC-E	72-248250	BUC-E	72-31585M	BUC-E	72-36010E	BUC-E
72-201800	BUC-E	72-24825V	BUC-E	72-31695	BUC-E	72-365050	BUC-E
72-20180V	BUC-E	72-24825VE	BUC-E	72-316950	BUC-E	72-365050	BUC-E
72-20188	BUC-E	72-248750	BUC-E	72-319950	BUC-E	72-36505V	BUC-E
72-201880	BUC-E	72-25125V	BUC-E	72-31995V	BUC-E	72-36505V	BUC-E
72-20195	BUC-E	72-253750	BUC-E	72-32265	BUC-E	72-365140	BUC-E
72-201950	BUC-E	72-253800	BUC-E	72-32265	BUC-E	72-36520V	BUC-E
72-201951	BUC-E	72-25625M	BUC-E	72-32287	BUC-E	72-365228	BUC-E
72-20195EV	BUC-E	72-259985	BUC-E	72-32287	BUC-E	72-365250	BUC-E
72-20212	BUC-E	72-26500	BUC-E	72-322870	BUC-E	72-36525M	BUC-E
72-202120	BUC-E	72-265000	BUC-E	72-322870	BUC-E	72-368500	BUC-E

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
72-370200 BUC-E	415938	7201600V BUC-E	472157	721003 ADAMS	472157	7218330VE BUC-E	418028
72-37020V BUC-E	415938	72017 VIC	017	72110 VIC	110	7218330VE BUC-E	455137!
72-370300 BUC-E	415938	72017 VIC	432RR	72110 VIC	408	7218575M BUC-E	471787!
72-37035 BUC-E	417555!	72018 VIC	018	72111 VIC	111	721871 ADAMS	473205
72-370350 BUC-E	417555!	72018 VIC	433RR	72111250 BUC-E	471466!	721871 LETN	473205
72-370370 BUC-E	417555!	7201800E BUC-E	415645!	72112 VIC	112	721871 WABCO	473205
72-375200 BUC-E	416107!	7201800E BUC-E	455104	72113 VIC	113	721872 ADAMS	471689!
72-375200 BUC-E	455073	72019 VIC	019	72113 VIC	411	721872 LETN	471689!
72-375201 BUC-E	416107!	72019 VIC	434RR	72114 VIC	114	72187900 BUC-E	471765!
72-375201 BUC-E	455073	7201LPD JN-MN	472636!	72114 VIC	412	72188450 BUC-E	6863S!
72-37520ME BUC-E	416107!	7202 C-R	19X27X6	72115 VIC	115	7218845M BUC-E	6863S!
72-37520ME BUC-E	455073	72020 VIC	020	72116 VIC	116	72188600 BUC-E	471579
72-37550EV BUC-E	416107!	72020 VIC	435RR	72116 VIC	414	7218920V BUC-E	50254=
72-37550EV BUC-E	455073	72021 VIC	021	72116250 BUC-E	470954!	72193855 BUC-E	455134!
72-37565V BUC-E	416107!	72021 VIC	436RR	72117 VIC	117	7220 C-R	19X35X10!
72-37565V BUC-E	455073	72022 VIC	022	72117 VIC	440RR	7220 C-R	710273
72-37575 BUC-E	417556	72023 VIC	023	72118 VIC	118	7220 C-R	710445*
72-375750 BUC-E	417556	72023 VIC	437RR	72118 VIC	441RR	7220263 BUC-E	417433
72-38225 BUC-E	416666	7202300V BUC-E	415938	72119 VIC	119	722050 WABCO	417433!
72-382250 BUC-E	416666	7202375 NORDG	471649!	72119 VIC	442RR	722051 ADAMS	417210!
72-385650 BUC-E	416476!	72024 VIC	024	72120 VIC	120	722051 LETN	417210!
72-38565VM BUC-E	416476!	72024 VIC	438RR	72121 VIC	121	722051 WABCO	417210!
72-409124 BUC-E	415327	72025 VIC	025	72122 VIC	122	72206800 BUC-E	471466!
72-410650 BUC-E	416229	72026 VIC	026	72122 VIC	443RR	7220680V BUC-E	471466!
72-41065M BUC-E	416229	72027 VIC	027	72123 VIC	123	72207XX TIMKE	7X22X7
72-41090V BUC-E	416229	72028 VIC	028	72124 VIC	124	72210 VIC	210
72-410910 BUC-E	415327	7202820 NORDG	470712!	72125 VIC	125	722106 ADAMS	417344!
72-41405 BUC-E	417596	7202850M BUC-E	417602!	72126 VIC	126	722106 LETN	417344!
72-415900 BUC-E	455584	72029 VIC	029	72127 VIC	127	722108 TIMKE	722108
72-41590V BUC-E	455584	7202930 NORDG	470328	72127 VIC	444RR	722109 TIMKE	722109
72-420900 BUC-E	455117	7202930 NORDG	481213!	72128 VIC	128	72211 VIC	211
72-420905 BUC-E	455117	72030 VIC	030	7212850V BUC-E	471466!	72212 VIC	212
72-42090VM BUC-E	455117	72031 VIC	031	72129 VIC	129	72213 VIC	213
72-42350 BUC-E	415551	72031 VIC	439RR	72130 VIC	130	72213 VIC	70484-1
72-423500 BUC-E	415551	7203195 NORDG	471766!	7213094 GIB	455328	72214 VIC	214
72-430900 BUC-E	455406!	72032 VIC	032	72131 VIC	131	72214 VIC	70800
72-43090V BUC-E	455406!	72033 CHERY	471472!	72132 VIC	132	72215 VIC	215
72-43590 BUC-E	455121	72034 VIC	034	72133 VIC	133	72215 VIC	420
72-436350 BUC-E	415128	7203400EV BUC-E	415871	72133 VIC	445RR	72216 VIC	216
72-632540 BUC-E	412040	72035 VIC	035	72134 VIC	134	72216 VIC	421
72-63254V BUC-E	412040	72036A HERCU	412119	72134 VIC	446RR	72217 VIC	217
72-63269 BUC-E	472492!	720387 PEERC	471765!	72136 VIC	136	72217 VIC	422
72-632690 BUC-E	472492!	72039 VIC	039	72137 VIC	137	72218 VIC	218
72-632750 BUC-E	480491	72040 VIC	040	72138 VIC	138	72219 VIC	219
72-717100 BUC-E	417602!	7204003 NORDG	455308	72139 VIC	139	72219 VIC	424
720004901 EATON	473231!	72042 VIC	042	7214 TIMKE	7214	72220 VIC	220
720004902 EATON	473237!	72042537 BUC-E	471984	72140 VIC	140	72220 VIC	425RR
720004903 EATON	473237!	72043 VIC	043	721403 ADAMS	471267!	72221 VIC	221
72000492 EATON	473237!	72044 CHERY	471567!	721403 WABCO	471267!	72222 VIC	222
72000492 Y-T	473237!	720463-1 SPICE	412871!	72141 VIC	141	72222 VIC	427RR
72001 VIC	001	7204710 NORDG	472193!	72142 VIC	142	72223 VIC	223
72002 VIC	002	72048 CHERY	471689!	72143 VIC	143	72223 VIC	449RR
72003 VIC	003	7205 C-R	19X30X7	72144 VIC	144	72223460 BUC-E	410752
72004 SHOV	412871!	7205 C-R	221920	72146 VIC	146	72224 VIC	224
72004 VIC	004	7206150 NORDG	411245!	72146 VIC	447RR	72224 VIC	450RR
72005 VIC	005	720618 GMC	370002A	72148 VIC	148	72225 VIC	225
72006 VIC	006	7206271 NORDG	416706!	72149 VIC	149	72225 VIC	35224
72007 VIC	007	7206274 NORDG	415988	72149A HERCU	415995!	722250S TIMKE	722250
72008 VIC	008	72064525 BUC-E	473227	7215 NATL	5126	72226 VIC	226
72009 VIC	009	720658 GMC	HU009A	72151 VIC	151	722276 ADAMS	416404!
7200A C-R	473238	720659 GMC	386025A	72152 VIC	152	722276 LETN	416404!
72010 VIC	010	720659 GMC	416158	72152 VIC	448RR	722276 WABCO	416404!
7201000V BUC-E	40101S	7208LPD JN-MN	415327	72153 VIC	153	72228 VIC	228
72011 VIC	011	7208LUP JN-MN	415327	72153LUP JN-MN	471651	72228 VIC	451RR
72012 VIC	012	7208S TIMKE	7208S	7215LUP JN-MN	471651	72229 VIC	229
7201200V BUC-E	416125!	7208XBO SPG	7208S	7216 TIMKE	7216	7223 C-R	710273
72013 VIC	013	720912 UNIVE	417598	7216LPD JN-MN	473224!	72230 VIC	230
72014 VIC	014	720913 MICH	417598	7216LUP JN-MN	473224!	72230 VIC	452RR
72014 VIC	431RR	7210 C-R	19X32X8!	72179150 BUC-E	55155=	722309 WOOL	417159
72015 VIC	015	7210 C-R	221922	7217915M BUC-E	55155=	72231 VIC	231
72016 VIC	016	721002 ADAMS	410496!	721797 WABCO	471766!	72231 VIC	453RR
7201600V BUC-E	472157!	721003 ADAMS	472157!	7218030M BUC-E	476470	72232 VIC	232

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
72232	VIC	454RR	7242	SPG	42763	72623	VIC	6033030	73007102	FI-AL	415449!
72234	VIC	234	72426	VIC	426	72624	VIC	6035030	73007388	FI-AL	473460
72235	VIC	235	7243	SPG	40769S	72625	VIC	6036030	73007497	FI-AL	415498
72236	VIC	236	72433	VIC	433	72626	VIC	6038030	73007498	FI-AL	450143
72238	VIC	238	7244	SPG	40185	72627	VIC	6038040	73008	VIC	800080
72238	VIC	455RR	72443	VIC	443	72628	VIC	6041040	73008139	FI-AL	415995!
72239	VIC	239	724445	GMC	471570!	72629	VIC	6044040	7300S	TIMKE	7300S
722392	LETN	456305	72446	VIC	446	726929	WILYS	451948	73010	VIC	800100
722392	WABCO	456305	7245	TIMKE	7245	72695A	HERCU	240119	73012	VIC	800120
7223S	SPG	471344	724510	GMC	1012	727026	WILYS	416919	73013	VIC	800130
72242	VIC	242	724510	GMC	1012N	72708	C-P	471281!	73013171	FI-AL	415960!
72242	VIC	456RR	724510	GMC	45X62X8!	72708	GE	471281!	73014	VIC	800140
722463-1	SPICE	455576!	724511	GMC	33X50X12!	7272	TEKNI	471619!	73014379	FI-AL	416282
722463-2	SPICE	417602!	724513	GMC	33X50X12!	727345	WABCO	471649!	73014434	FI-AL	415725!
72248	VIC	248	724571	ADAMS	412473!	72737	ALLCH	417555!	73016	VIC	800160
72249	VIC	249	724571	LETN	412473!	727410	TIMKE	727410	73017034	FI-AL	415991
72252	VIC	252	724633	SPICE	417487	727463-1	SPICE	470565!	73017034	FI-AL	455146!
7226125M	BUC-E	415227!	724860	ADAMS	470565!	7274633	SPICE	471341!	73018	VIC	800180
72261260	BUC-E	55228=	724860	LETN	470565!	7275	C-R	19X46X7	73018434	FI-AL	415379!
72265	VIC	265	724925	UNIVE	455406!	727584	WABCO	415187	73018434	FI-AL	415379
72266100	BUC-E	450400	724926	MICH	455406!	727695	LETN	471224!	73020	VIC	800200
72268100	BUC-E	470059	7250	C-R	19X38X7	727695	WABCO	471224!	73021053	FI-AL	471224!
72268100	BUC-E	470380!	72502	VIC	OK311	727739	LETN	417350!	73021065	FI-AL	417344=
7226885	NORDG	473227!	72503	VIC	OK312	727739	WABCO	417350!	73022	VIC	800220
72269750	BUC-E	470059	7251	C-R	710154	7280	C-R	19X47X7	73022043	FI-AL	415960
72269750	BUC-E	470380!	725147	ADAMS	415449!	72813	C-R	185X210X13	73022066	FI-AL	415371
7226975E	BUC-E	470059	72515	C-R	416044	728143	LETN	471413!	73024620	FI-AL	412119
7226975E	BUC-E	470380!	725157	ADAMS	417316!	728143	WABCO	471413!	73024645	FI-AL	472439
72272250	BUC-E	50254=	725157	LETN	417316!	7284112	HUB-C	473197	73024692	FI-AL	473238
7227225V	BUC-E	50254=	725157	WABCO	417316!	728463-2	SPICE	416107!	73024729	FI-AL	455330!
7227235E	BUC-E	50254=	72539	C-R	415116*	728463-2	SPICE	455073	73025	VIC	800250
7227810	BUC-E	470059	72540	C-R	415116	728491	LETN	471649!	73027709	FI-AL	417316=
7227810	BUC-E	470380!	72541	C-R	415116	728491	WABCO	471649!	73028	VIC	800280
7227LPD	JN-MN	456105*	72541	CLIN	254270	728500	ADAMS	415082	73028697	FI-AL	410308*
7227LUP	JN-MN	456105	725422	ADAMS	412920!	728500	LETN	415082	73028740	FI-AL	471224!
72282550	BUC-E	474274	725422	WABCO	411376!	728500	WABCO	415082	73030	VIC	800300
7229	TEKNI	471466!	725550	ADAMS	474279N	728664	LETN	476470	73032	VIC	800320
72292H	WAUKE	471821!	725550	LETN	474279N	728730	US-EL	481568!	73033846	FI-AL	471442!
7230	C-R	221925	725550	WABCO	474279N	728937	UNIVE	455121	73034853	FI-AL	471224=
72325	VIC	325	725550917-473-A	BENDI	474279N	728938	MICH	455121	73034883	FI-AL	470530
72325	VIC	428RR	725551	LETN	481534	729010XX	TIMKE	72X90X10	73034958	FI-AL	415984=
72326	VIC	326	725581	ADAMS	471766!	729510XX	TIMKE	72X95X10	73034959	FI-AL	412119
72326	VIC	429RR	725581	LETN	471766!	72D4	WHITE	6644	73035	VIC	800350
72326006	BUC-E	455178=	725581	WABCO	471766!	72X10010XX	TIMKE	72X100X10	73035083	FI-AL	472636
72327	VIC	327	72558R91	IH	5403	72X10012XX	TIMKE	72X100X12	73035084	FI-AL	415104N=
72329	VIC	329	72562R91	IH	5403	72X100X10AN	ISP	72X100X10	73037744	FI-AL	471692=
72329	VIC	457RR	7260	C-R	19X40X10	72X100X12SC	TRSCM	72X100X12	73037969	FI-AL	417487!
72330	VIC	330	72600	VIC	6003020	72X100X12TC	TRSCM	72X100X12	73037969	FI-AL	417487
72331	VIC	331	72601	VIC	6004020	72X7450	GARLK	204005	73037981	FI-AL	471272*=
72332	VIC	332	72602	VIC	6005020	72X7451	GARLK	6832S	73037990	FI-AL	473238=
72333	VIC	333	72603	VIC	6006020	72X7452	GARLK	6832S	73038	VIC	800380
72333	VIC	458RR	72604	VIC	6007020	72X7455	GARLK	204017	73038222	FI-AL	415854
72334	VIC	334	72605	VIC	6008020	72X7457	GARLK	204008	73038223	FI-AL	470764!
72335	VIC	335	72606	VIC	6010020	72X7458	GARLK	204007=	73038223	FI-AL	50764
72335	VIC	459RR	72607	VIC	6010025	72X7459	GARLK	204038	73038675	FI-AL	473231!
72336	VIC	336	72608	VIC	6011025	72X7460	GARLK	204038	73039422	FI-AL	471554!
72337	VIC	337	72609	VIC	6012025	72X7461	GARLK	204002	73040	VIC	800400
72340	VIC	340	72610	VIC	6014025	72X8133	GARLK	6590S	73040054	FI-AL	470565!
72342	VIC	342	72611	VIC	6016025	72X90X10AN	ISP	72X90X10	73040062	FI-AL	415327
72343	VIC	343	72612	VIC	6017025	72X95X10SC	TRSCM	72X95X10	73040119	FI-AL	415551
72345	VIC	345	72613	VIC	6019025	72X95X10TC	TRSCM	72X95X10	73042826	FI-AL	8907
723463-1	SPICE	473243	72614	VIC	6019030	73	BL-KN	473243	73045	VIC	800450
7235S	TIMKE	7235S	72615	VIC	6020030	73-0007	MCCOR	13338	73045043	FI-AL	45187S
7236RPD	JN-MN	55218=	72616	VIC	6022030	730002	NATL	733067	730461-1	SPICE	417480!
7237A	C-R	450536	72617	VIC	6024030	730013	NATL	733067	730463-1	SPICE	417480!
7237A	C-R	471535!	72618	VIC	6025030	730015	NATL	733067	73048835	FI-AL	410737!
72388345	BUC-E	55692=	72619	VIC	6027030	730028	NATL	733067	73050	VIC	800500
723K1	WHITE	480630!	72620	VIC	6028030	73003	VIC	800030	73055	VIC	800550
7240	C-R	19X37X7	72621	VIC	6030030	73004	VIC	800040	73056536	FI-AL	2505
7240	CHERY	473213!	72621A	HEIL	470954	73005	VIC	800050	73060	VIC	800600
7241	CHERY	473215!	72621A	HERCU	470954	73006	VIC	800060	73065	VIC	800650
7242	CHERY	417316!	72622	VIC	6032030	73007	VIC	800070	73070	VIC	800700

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
730707X1 IH		416888!	73459 CROWN		415449!	7399S TIMKE		7399S	742463-5 SPICE		415138!
73073R91 IH		470954!	734631 SPICE		472397!	7399S WMG		12305286	742463-7 SPICE		473233!
73075 VIC		800750	7346LPD JN-MN		474264	73A575BH1 GE		471224!	7424636 SPICE		471224!
73080 VIC		800800	7346LUP JN-MN		474264	73P3 WHITE		40094S	74251862 FI-AL		471341!
730813X91 IH		417355!	7347LPD JN-MN		472394*	73W1 WHITE		416345!	74252177 FI-AL		415379
73085 VIC		800850	7347LUP JN-MN		472394	73W1 WHITE		455033	74253052 FI-AL		416271!
73085 WAUKE		415442!	7348 TMTR		470954	74-0003 MCCOR		35127	74253297 FI-AL		40438S
73085 WAUKE		55442	73482 MURRA		417433	74-0096 MCCOR		25598	74253341 FI-AL		471571
73090 VIC		800900	7348LPD JN-MN		474253	74-0117 MCCOR		35315	74253609 FI-AL		40566S
73095 VIC		800950	7348LUP JN-MN		474253	74-0118 MCCOR		35507	74253670 FI-AL		40370S
73100 VIC		801000	734A575AM GE		472258	74-0147 MCCOR		35292	74253765 FI-AL		473231!
73104650 FI-AL		J1105	734A575AM1 GE		472258	74-0148 MCCOR		35300	74253769 FI-AL		455583N!
73104651 FI-AL		473238!	734A575AN GE		470328	74-0164 MCCOR		35011	74253781 FI-AL		417171!
73107084 FI-AL		40094S	734A575AN GE		481213!	74-0164 MCCOR		35394	74253982 FI-AL		472287!
73110 VIC		801100	734A575BBP1 GE		6760S	74-0198 MCCOR		35001	74253999 FI-AL		455336
73110938 FI-AL		J1107	734A575BC GE		471224!	74-0204 MCCOR		35524	74254050 FI-AL		471570!
73110940 FI-AL		472397!	734A575BC1 GE		471224!	74-0211 MCCOR		35486	74254101 FI-AL		473010
73120 VIC		801200	734A575BCP1 GE		471224!	74-0224 MCCOR		35555	74254152 FI-AL		470898
731202 WILYS		240151	735006 WILYS		9613S	7400 C-R		473416	74254177 FI-AL		471413
73123794 FI-AL		200870	73546311 SPICE		470898	7400 C-R		710272	74254228 FI-AL		415458!
73124116 FI-AL		JV980=	7354N TIMKE		7354N	74001449 FI-AL		472394	74254269 FI-AL		470954!
73124610 FI-AL		455655!	7358 EATON		473464!	74014 MURRA		455251H	74254670 FI-AL		471787!
73126934 FI-AL		370030A	7358 EATON		473464	740158 WILYS		6489	74254936 FI-AL		472258
73130 VIC		801300	735884X WILYS		471643!	740173 MCCOR		427	74254954 FI-AL		450639
73140 VIC		801400	735995 WILYS		472560N	74024562 FI-AL		456641	74254963 FI-AL		471554!
731463-1 SPICE		473239	735996 WILYS		472560N	74028922 FI-AL		7568	74254986 FI-AL		40433S
731463-4 SPICE		471689!	73605H IH		410496!	74029502 FI-AL		417360	74255130 FI-AL		471829
73150 VIC		801500	7360LPD JN-MN		415351!	74029556 FI-AL		JX1828=	74255301 FI-AL		471224
731523 WILYS		240151	7360LUP JN-MN		415351!	74043977 FI-AL		415035!	74255587 FI-AL		471424!
73160 VIC		801600	7361LPD JN-MN		473463	74043977 FI-AL		415035	74255839 FI-AL		471787!
73170 VIC		801700	7361LUP JN-MN		473463	74061865 FI-AL		417360	74255851 FI-AL		40389S
73180 VIC		801800	73628 MURRA		55218=	74062088 FI-AL		417360	74256022 FI-AL		470530* =
73190 VIC		801900	73645 MURRA		415991	74063H IH		323138!	7426497 WESTO		13338
73193 ALLCH		412473!	73645 MURRA		455146!	74065 EATON		410686N	7426653 WESTO		16201
73194 ALLCH		55301S	736463-1 SPICE		471138!	7408 C-R		727410	7426679 WESTO		16202
731968 CLARK		470954	73658 WAUKE		471821!	7409 C-R		240735	7426927 WESTO		16203
73197 ALLCH		471887	7365LPD JN-MN		473367!	7410 C-R		727410	7426935 WESTO		16204
73200 VIC		802000	7365LPD JN-MN		473367	7411 C-R		312518!	7426950 WESTO		16212
732228 KELSE		413247=	7365LUP JN-MN		473367!	7411 C-R		342518	7426968 WESTO		16213
732229 KELSE		353132	7365LUP JN-MN		473367	7411429 HWY		312196!	7426976 WESTO		16214
732246 KELSE		473474=	73687 HYST		55469	741147 GMC		370036A	7426A C-R		417507!
732328 KELSE		415035	736K1 WHITE		6597S	741147 GMC		370349A	7426A C-R		417507
732333 KELSE		415027	7370 TAYLR		204038	741147 GMC		380036A	7428 C-R		470954!
732334 KELSE		370020A	7372612 CONTI		472150	7412 C-R		7214	7429798 WESTO		TCS45108
732347 FABCO		416364!	73745 C-R		455117*	7412257 WESTO		BS25035	7429921 WESTO		TCS45472
732347 KELSE		416364!	737463-1 SPICE		415483	7412463 WESTO		BS40110	7429947 WESTO		TCS45473
732348 FABCO		418028	737463-2 SPICE		416278	7412521 WESTO		BS40380	7429962 WESTO		TCS45483
732352 FABCO		417349!	737478 GMC		470380!	7412547 WESTO		BS40396	742EP46740 LUF		370036A
732355 FABCO		415146!	737478 GMC		472189A!	7412661 WESTO		BS40509	742EP46740 LUF		370349A
732355 FABCO		415991	73750 C-R		455117	7412711 WESTO		BS40578	742EP49180 LUF		370036A
732357 FABCO		471267!	73751 C-R		455117	7412729 WESTO		BS40592	742EP49180 LUF		370349A
732372 FABCO		417316!	7375410 CONTI		240356	7412745 WESTO		BS40620	742EP49247 LUF		HU009A
732372 KELSE		417316* =	7376 F-R-H		411253!	7412S TIMKE		7412S	742EP49249 LUF		HU011A
7325LUP JN-MN		416624!*	73760 C-R		415317	7413 C-R		240816	742EP49252 LUF		HU013A
73260009 TROS		415072	73761 C-R		415317	7413 C-R		7929S	74301537 FI-AL		471763
73263207 TROS		415294!	7378 TIMKE		7378	7413R XR SPG		9613S	743034 CLARK		417269=
7329 ALOY		3348	738028X WILYS		415991	7414 C-R		254270!	7430S SPG		370015A
733 GREEN		240736	738028X WILYS		455146!	74147 GMC		370036A	74310523 FI-AL		471192
7332 CHAMP		240356	7380S SPG		415302	74147 GMC		370349A	74310527 FI-AL		471643!
733290 WILYS		471141!	7381S TIMKE		7381S	7415 C-R		343185	74311323 FI-AL		416332!
73339 WAUKE		40085S	7383S SPG		321460	7416599 CONTI		415458!	7431380 WESTO		TCS45603
7335 NATL		473235	73857 ALLCH		471984	74166 HOUGH		471504!	7431810 WESTO		TCS45635
7335LPD JN-MN		417547	738612 C-R		55692=	74166 WAUKE		473179	7431919 WESTO		TCS45724
7336LPD JN-MN		417548	73873 EATON		9128S	7416B1 WABCO		473230!	7432 C-R		470954!
7338N TIMKE		7338N	7388 ALLCH		473460	74192A HERCU		471649!	743231 CLARK		240356
7340LPD JN-MN		55224* =	7388 TRAC		473460	7420 C-R		470954*	7432420 WESTO		TCS45847
7340LUP JN-MN		456105	7391S SPG		9376	7422 C-R		470954!	7433 C-R		470954
7340LUP JN-MN		55224=	7394631 SPICE		415899N	7424 C-R		470954!	74331983 FI-AL		457291
73433 CROWN		471267!	7394631 SPICE		416624	74241862 FI-AL		471341!	74334 WAUKE		472185!
734504 WILYS		410059	73949 WAUKE		501995!	742463-1 SPICE		416865!	7434 C-R		470954
734504 WILYS		470380!	73949 WAUKE		6863S!	742463-2 SPICE		473367	743463-3 SPICE		470954!
73453 CROWN		416271!	7399S NATL		343105	742463-2 SPICE		473367!	743463-4 SPICE		471316!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
743463-5	SPICE	417171!	7459001	WESTO	25598	74P3	WHITE	40097S	7530	C-R	240027=
74349736	FI-AL	472234	7460	C-R	470954!	75	BL-KN	417490	753081	ALLCH	416891!
7436363	WESTO	35224	7461	C-R	470954!	7500	ALOY	5124	753081C33	ALLCH	416891!
7437	C-R	470954*	74610	CROWN	6668S	75013S	TROS	340771	753087	DAVIS	472164!
74371692	FI-AL	473214!	74611773	FI-AL	471567!	7502	C-R	471554!	7531	C-R	471554!
743845	CLARK	470625!	7462	C-R	470954!	75020	C-R	415551=	7533	C-R	471554
74386879	FI-AL	471649!	74630121	FI-AL	J1123	7503	C-R	471554!	7534	C-R	240027=
74386927	FI-AL	471689!	74630273	FI-AL	415165H*=	75030	C-R	415867	753463-1	SPICE	471344
74387605	FI-AL	471688=	7464	C-R	470954!	75030	FITZ	5M81	75359	GRAY	470059
7439	C-R	470954!*	746463-1	SPICE	473215!	75035	C-R	415867	75359	GRAY	470380!
74390171	FI-AL	455583N=	7465	C-R	470954!	75036	C-R	415867	7535A	C-R	470334!
74391019	FI-AL	471472!	74658	WAUKE	471821!	75040	SPICE	415001!	7536	C-R	471554!
74394036	FI-AL	J1838*=	7467	C-R	470954	7505	C-R	471554!	7536	DICO	204029
743987	LONG	204027	7469	C-R	470954!	75050	C-R	415551*	7536	DICO	204507!
7440	C-R	470954!	7474	C-R	480821!	75052	C-R	415551=	75360	GRAY	472439
7441	ALOY	415458	7475	C-R	480821!	750530	C-R	417780*	75361	GRAY	411253!
74410	AM WH	472439	7475	C-R	7013S	750530M1	C-R	417780*	75362	GRAY	416921!
74418	WAUKE	55236	747528	C-R	455297	75054	DGASK	BS40380	7537	AT SU	7537S
7442N	SPG	7442H	747530	C-R	417780	7506	FAIRB	415072	7537	C-R	471554
7443	C-R	470954!	747616	C-R	415294!	7506	GR-DV	415072	753764	DAVIS	350936
7444	SPICE	473226	74764	C-R	415074	7506	MINMA	415072	7537S	TIMKE	7537S
744463-1	SPICE	416229	74766	C-R	455583N!	75060	C-R	415551	7538	C-R	481443!
7445	ALOY	5121	74768	C-R	455480!	75061	C-R	415551	7539	FULLE	415041
7445	C-R	470954!	7478	C-R	470954!*	75066	C-R	455583N!*	754036	DAVIS	471466
744581	HESST	470605!	74789	WAUKE	471442!	75066M1	C-R	455583N!*	754044	DAVIS	240735
7446	ALOY	3087	7479	C-R	480821!	7506K	SUL	415072	75416	FITZ	5M289
7446	C-R	470954!	7479	C-R	7013S	7507A	C-R	473367	7542	ALOY	493291
744631	SPICE	471224!	7480	C-R	470954	7507A	C-R	473367!	7542	C-R	471554!
744634	SPICE	416271!	74800	C-R	185X215X16	7508	C-R	471554!*	754226	DAVIS	472397!
744682	CATER	416044	74805	C-R	190X220X15	75088	ALLCH	415138!	7542B	CATER	411253!
7447	C-R	470954!	74805	C-R	190X220X16!	75089	FITZ	5M89	7542B	HYST	411253!
744789	HESST	455280	74808	C-R	190X225X16V	750A6	C-R	415072*	75453	FITZ	5MR71
7448	C-R	470954!	7481	ALOY	8935S	750H6	C-R	415072*	7545A	C-R	413469!
74482	AM WH	471442!	7481	C-R	480821	750H66-TB	C-R	455583N!	754642	SPICE	418028
744888	HESST	204029	7481	SPICE	474131	750W34-L	C-R	5405	754642	SPICE	455137!
744888	HESST	204507!	7481	SPICE	480821!	7510	C-R	471554!*	75479	FITZ	5MR71
7449	C-R	470954	74818	C-R	190X230X16	7510512A	HARWA	75X105X13	7548	C-R	471554!
7450	C-R	470954	74819990	FI-AL	416556!	7510A	C-R	350364	75480	FITZ	5MR71
7450	C-R	470954!	74819990	FI-AL	472157	7511013B	HARWA	75X110X12	7548S	SPG	3095
74501458	FI-AL	471765!	7482	C-R	480821!	75111	WAUKE	470059	7549	C-R	471554!
7450174	WESTO	BS40387	7484	C-R	471554!	75111	WAUKE	470380!	75498	FITZ	5M356
7450190	WESTO	BS40449-1	7484	SPICE	471554!	75117	WAUKE	470059	755020C	SPG	473244
74513621	FI-AL	472439	74841	GRAM	473471	75117	WAUKE	470380!	75503	FITZ	5M445
74516033	FI-AL	JX1238=	74854	ALLCH	415138!	75117A	WAUKE	470059	755185C	SPG	415483!
74516102	FI-AL	JX1363=	748616M1	C-R	415294!	75117A	WAUKE	470380!	755238C	SPG	3341
745201X	WILYS	473239	7486S	TIMKE	473237	7512	C-R	471554!	75531	CROWN	471442!
7452279	WESTO	35011	7487	AT SU	7994S	7512	EATON	415991	755324C	SPG	472655
745267	DAVIS	341022	7487	SPG	7994S	7512	FULLE	415991	7554	C-R	471567!*
7452S	SPG	370019A	748H6	C-R	415072*	7512SSO	TIMKE	7512SSO	755463-1	SPICE	473204
7453	C-R	470954	74907118	FI-AL	416297	7513	C-R	471554!	755463-2	SPICE	473204
74538B	HERCU	240319	749077	DAVIS	471766	751369	MARMO	470088	755463-3	SPICE	470954
7453S	SPG	370021A	749234	DAVIS	340815	751463-1	SPICE	415379	755463-4	SPICE	471854!
745463-4	SPICE	472015!	749242	DAVIS	471341!	7515	C-R	471554!	7554655	SPICE	473204
7454635	SPICE	417343!	7493	C-R	471554!	7517	C-R	471554!	7555	C-R	471567!
7454S	SPG	370005A	7494	C-R	471554!	7520	C-R	471554!	75569	FITZ	5M81
7455	C-R	470954	7494	SPICE	471554!	75213	SPICE	415001!	75573	FITZ	5MR71
74555301	FI-AL	471224	749510	LONG	471744!	7522	C-R	471554!	755781	CLARK	471750!
74559	C-P	471571	7495S	TIMKE	473214	752352	DAVIS	474272!	75581	RENAU	35X50X8!
7455S	SPG	370006A	7497	ALLCH	415498	752463-1	SPICE	471854!	75581	RENAU	3771
74568	WAUKE	471744!	7497	TRAC	415498	75249336	FI-AL	415483	75594	ALLCH	471341!
7456A	F-R-H	481864	7498	ALOY	8704S	75249336	FI-AL	J1117	7561	ALOY	8121S
7457	C-R	470954!	7498	C-R	471554!	75251S	TIMKE	75251S	7562	ALOY	331227H
7457	SPG	7457N	7498	TRAC	450143	7526	C-R	471554!	75628	FITZ	5M403
74573	ALLCH	472029	74988992	FI-AL	471504	75260H	FULLE	472179	7563	ALOY	471827!
74574	ALLCH	415995!	7499	ALOY	8695S	75260H	IH	472179	75637	FITZ	5M403
74575	ALLCH	471870!	74994488	FI-AL	416130!	75266	FITZ	473450!	7564	C-R	471567!*
74575	KEN	471870!	74DT7052B3A	FORD	2655	7527	C-R	471554!	75644	FITZ	5M406=
7457N	TIMKE	7457N	74DT7A248A3A	FORD	2658	75270	FITZ	5M356	7565	ALOY	6840S
7458854	WESTO	35292	74HB1175AA	FORD	370019A	7528	C-R	471554!	7565	C-R	471567!*
7458870	WESTO	35533	74HB1175CA	FORD	416865	75280	SPICE	416158	75661	FITZ	6064
7458938	WESTO	35315	74HB1190AA	FORD	370087A	7529	C-R	471554!	75662412	TROS	417563
7458946	WESTO	427RR	74HB1190AD	FORD	370087A	753	CARDX	473211!	75669	FITZ	5M89

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75673	FITZ	5M466	760096C	SPG	473446	7686S	TIMKE	7686S	7701349138	RENAU	1172
7568	ALOY	473235	7600S	TIMKE	7600S	76872	BENDI	471570!	7701349595	AMC	225020
7568	TIMKE	7568	7602	CHAMP	471692!	7687S	TIMKE	7687S	7701349595	RENAU	225020
75681	FITZ	5M81	7603	CHAMP	471791	7689	C-R	470390*	7701349596	RENAU	229005
7569	C-R	471567!	7604	CHAMP	473239	7689S	SPG	473473	7701349625	AMC	223005
7570	C-R	471567!	760463-1	SPICE	417040	7690	C-R	470390	7701349626	RENAU	1172
7571	C-R	471567!	7607	TIMKE	7607	76916TA	TRSCM	471598	7701349629	RENAU	1172
75715	FITZ	5M559	7607A	C-R	472354!	7692	C-R	473407	770308097	AMC	3771
75717	FITZ	5MR1008	760885-C91	IH	370023A	7692S	TIMKE	7692S	7703087035	RENAU	228010
75718	FITZ	5MR1009	760886-C91	IH	HU066A	7693	C-R	472649	7703087057	RENAU	1906
7572	C-R	471567!	760908M1	MASSE	471137	76946	BENDI	472179	7703087068	RENAU	1970
7572	FULLE	471781!	761109	ELRNG	25598	76976	WAUKE	471281!	7703087071	RENAU	1906
75721	FITZ	5M497	7612S	NATL	353135	76VB1175BA	FORD	2820 =	7703087075	RENAU	35X50X8!
75724	FITZ	5M544	7612S	NATL	474278!	76X13	GARLK	330385!	7703087075	RENAU	3771
7573	C-R	471567!	761463-1	SPICE	472439	76X1329	GARLK	472015!	7703087079	RENAU	224520
75767	ALLCH	455820	761463-2	SPICE	472164!	76X1482	GARLK	471138!	7703087079	RENAU	45X60X10!
7577A	C-R	415001!	761591-C91	IH	HU028A	76X291	GARLK	471649!	7703087080	RENAU	228010
7579	C-R	471567!	761592-C1	IH	730001	76X3130	GARLK	415938	7703087087	RENAU	223610
7579A	C-R	473464!	761654M1	MASSE	412473!	76X4701	GARLK	472954	7703087087	RENAU	710197!
7579A	C-R	473464	7618	AT SU	9150S	76X5085	GARLK	481537	7703087097	AMC	3771
757A7	WHITE	471192	761882M1	MASSE	471781!	76X51	GARLK	471526!	7703087104	RENAU	223010
7580	C-R	471567!	7618S	SPG	9150S	76X541	GARLK	471192	7703087106	RENAU	223606
7580A	C-R	350435	761D6	WHITE	5471	76X6099	GARLK	481397	7703445	FT-WA	470954
7581H	TIMKE	415449	76208C	DIA	6270	76X6103	GARLK	471529	7704631	SPICE	415035
758463-7	SPICE	413247 =	76210	C-R	416102	76X6113	GARLK	1049	77049	CROWN	417485
758463-8	SPICE	473229 =	76215	C-R	416102	76X6156	GARLK	471270!	7705	FULLE	417172
758463-9	SPICE	473204 =	762463-1	SPICE	J1139 =	76X6169	GARLK	471652	7707246	GMC	471766 =
75856TA	TRSCM	415867	76246361	SPICE	370043A	76X6186	GARLK	7412S	770895	EL-PA	450084!
7587	C-R	471567!	76250	C-R	417598	76X714	GARLK	473229	770914	EL-PA	473215!
7588	C-R	450340	76251	C-R	417598	76X7482	GARLK	455583N!	77099	MATHR	39920
758A7	WHITE	473227	76255	C-R	417598	76X7488	GARLK	471551!	771018	EL-PA	473010
759008A	HARWA	75X90X10	7627	C-R	471643!	76X7501	GARLK	330699!	7710663	GMC	471281 =
759008XX	TIMKE	75X90X8	7628	C-R	471643!	76X7504	GARLK	472705!	771081	EL-PA	410102
759010XX	TIMKE	75X90X10	762D6	WHITE	JV701	76X7510	GARLK	472311!	771085	EL-PA	473471
75908F	DIA	5405	7631	C-R	471643!	76X7512	GARLK	1037	77115	HYST	4716107!
7591	ALOY	331228H	763123	AVCO	42081S!	76X7517	GARLK	481163!	7714892	WESTO	35301
7591	C-R	471498*	7632452	FIAT	713063	76X7518	GARLK	471766!	7715014	WESTO	35300
7591	DOMGA	331228H	7632453	FIAT	713054	76X7520	GARLK	340853	7715857	WESTO	35001
7593	C-R	471498*	76334	CHRYL	5711	76X7521	GARLK	472354!	7715881	WESTO	35094
7594	ALOY	3677	763461-1	SPICE	100495	76X7534	GARLK	476842	7715915	WESTO	35402
7594	ALOY	41257	763461-1	SPICE	417349	76X8356	GARLK	481481	7715923	WESTO	35410
759510XX	TIMKE	75X95X10	7635	C-R	471684!	76X88	GARLK	471466!	7715956	WESTO	35486
759704-C91	IH	370019A	7636	C-R	471684!	76X8949	GARLK	481481	7715S	C-R	2655
7599	C-R	471498*	76364	C-R	457874	76X8952	GARLK	471633!	7715S	TIMKE	7715S
759A7	WHITE	471795	76364	GR-DV	457874	76X9489	GARLK	471570!	7716012	WESTO	35316
75DT7052A3A	FORD	2655	76364M1	C-R	457874	76X9490	GARLK	471649!	7716020	WESTO	35361
75KH-16	MACK	5578\$	76368	C-R	55316 =	76X9675	GARLK	450400	771723C91	IH	370021A
75WT7657AA	FORD	2443	76368M1	C-R	55316 =	76X9879	GARLK	335924N	77173R91	IH	410825
75X10010XX	TIMKE	75X100X10	763831	CLARK	455197N	76X9971	GARLK	481181!	7718472	BRADF	476470
75X10012XX	TIMKE	75X100X12	763B516-L	C-R	8635S	76X9975	GARLK	472015!	7721	NATL	5113
75X100X10ASN	ISP	75X100X10	7640	C-R	471684!	76X9991	GARLK	481443!	7721	NATL	7721!
75X100X12SC	TRSCM	75X100X12!	7641	C-R	471684!	76X9992	GARLK	480581	7723	TRAC	450313
75X100X12TC	TRSCM	75X100X12!	76436	GMC	474278!	7700517057	RENAU	228010	772E-11	CLARK	416271!
75X10513XX	TIMKE	75X105X13	76447	CHRYL	450084!	7700522314	RENAU	35X50X8!	772E-13	CLARK	416271!
75X105X13	SIMRT	75X105X13	7645	C-R	471684!	7700522314	RENAU	3771	7735S	NATL	471652
75X105X13SC	TRSCM	75X105X13	7646	C-R	471684!	7700695940	RENAU	716102	7740	C-R	254270
75X105X13TC	TRSCM	75X105X13	76470H	IH	471553!	7700714702	AMC	222556	7741	FULLE	475384
75X11012XX	TIMKE	75X110X12	76490H	IH	471787!	7700718598	AMC	222267	7745	C-R	222028
75X110X12	SIMRT	75X110X12	765110B	SPERY	471344!	7700718598	RENAU	222267	77499H	IH	471488!
75X110X12SC	TRSCM	75X110X12	765110B	VICK	471344!	7700719273	RENAU	223005	7750	C-R	8750S
75X110X12TC	TRSCM	75X110X12	765143	VICK	472397!	7700719274	RENAU	225020	7750	TIMKE	254270
75X11512XX	TIMKE	75X115X12	7654634	SPICE	415138!	7700725410	RENAU	222556	775048E	SPG	471272
75X115X12AN	ISP	75X115X12	7657423	FIAT	713070	7700742021	RENAU	222267	77518H	IH	415991
75X12010XX	TIMKE	75X120X10	7660	C-R	450033	7700743161	RENAU	228010	77518H	IH	455146!
75X90X10	SIMRT	75X90X10	7660	C-R	473406	7700853373	CHRYL	229005	7751H	TIMKE	7751H
75X90X10SC	TRSCM	75X90X10	7661	C-R	473406!	7700853373	RENAU	229005	77530	C-R	457299
75X90X10TC	TRSCM	75X90X10	766571-C91	IH	370003A	7700854841	RENAU	713151	77540	C-R	455406!
75X90X8ASN	ISP	75X90X8	7679S	SPG	7934S	7700854842	RENAU	1172	77550	C-R	455406!
75X95X10SC	TRSCM	75X95X10	768463-4	SPICE	470898	7700854852	RENAU	1172	77551	C-R	455406!
75X95X10TC	TRSCM	75X95X10	7684631	SPICE	471272!	7700859691	RENAU	3771	775612	C-R	55242
760040M1	MASSE	330385	76851	BENDI	330385!	7700S	TIMKE	7700S	77568	C-R	417562
760082A	SPG	712144	76865TA	TRSCM	416102	7701348114	RENAU	713150	77568	FAIRB	417562

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77568M1 C-R		417562	7836 C-R		481443!	78X10510XX TIMKE		78X105X10	7933 C-R		20X38X7
77569C91 IH		370003A	7836431 GMC		222510	78X114 GARLK		471553!	7934 SPG		7934S
7756S SPG		470380!	7837 C-R		481443!	78X11510XX TIMKE		78X115X10	7934S TIMKE		7934S
7756S SPG		472189A!	78371 HYST		5705*=	78X1474 GARLK		471272!	793666 GMC		417181!
7757 SPG		40576S	7837492 GMC		7013S	78X2120 GARLK		417344!	7937H SPG		473473
7758S C-R		417115	7838143 GMC		710285	78X542 GARLK		471192	7937N TIMKE		473473
7759S C-R		457149N=	7838145 GMC		710285	78X550 GARLK		470950!	7938S HYST		415991!
776438R1 IH		473437	7839589 GMC		221925	78X550 GARLK		6241S	7938S HYST		415991
77672 HYST		470898	7839S SPG		7399S!	78X6231 GARLK		473231!	79387 HYST		471271!
77692 HYST		470898	7840S TIMKE		7840S	78X6252 GARLK		472164!	79388 HYST		417181!
7769S SPG		6241S	7841A C-R		473010	78X6436 GARLK		476820	79389 HYST		416271!
777 GARLK		481864	7843 C-R		481443!	78X648 GARLK		470380!	7940 C-R		20X40X7!
77714 SPG		77714	7845 C-R		451031=	78X6870 GARLK		455134!	7940 C-R		222050
7772 FULLE		412861	78451 WIP-L		5433	78X7033 GARLK		470954!	7941 C-R		20X40X7V
77732A BENDI		471554!	7848 C-R		481568!*	78X7090 GARLK		471271!	7941 FMS		472560N
77734 AM WH		470898	7849 C-R		481568!	78X7256 GARLK		472446	7941 HYST		415988
7774634 SPICE		473238!	784911 CLARK		473229	78X7295 GARLK		416127	7941 TIMKE		7941
77746343 SPICE		473238!	784959 CLARK		5778	78X837 GARLK		473234!	79416 DGASK		13338
7775N NATL		417354!	7852 C-R		481568!*	78X9508 GARLK		471466!	7942 C-R		20X40X7
777J-1 OSHKO		415937!	7853A C-R		415458!	78X9509 GARLK		471264!	7944 C-R		20X40X7V
7780 TIMKE		7780	7854A C-R		415437	78X9994 GARLK		471689!	794408C91 NAVST		370048A
778037 WHITE		45637S	7854A C-R		415437!	79-339710 BUC-E		416888!	794408C91 NAVST		380048A
7780N SPG		7780	78552 BENDI		330385!	79-39910 BUC-E		416888!	7945 C-R		20X40X7V
7780N TIMKE		7780N	7859 C-R		481568!	7900 C-R		20X30X5	79470 EATON		9773
77819H IH		410987!	7860 EATON		416654!	7900 C-R		222025	7950 C-R		20X42X7
77819H IH		450686	78650 C-R		455397	7901 C-R		20X28X6	7950 C-R		222060
7781S TIMKE		471750	7866A C-R		416865!	7902 C-R		20X28X6	7950265040 NRWST		415551
7782N NATL		2942	7866S TIMKE		7866S	7902A C-R		411253!	7952 C-R		20X47X7
7790H TIMKE		7790H	7867A C-R		415371	7904 C-R		20X30X7V	79526 DGASK		72665
77926SA TRSCM		455406!	786D6 WHITE		415060	79043163 IVECO		713115	7953 C-R		20X42X7V
7797 EATON		5MR71	786D6 WHITE		455060	7905 C-R		20X30X7!	7954 C-R		20X47X7
77993 HYST		470954	78703 C-R		200X230X15V	7905 C-R		222025	79567H IH		415449!
779D6 WHITE		5957S	78705 C-R		200X230X15!	79057 EATON		470565=	7959 HYST		415351!
77TK3K169A1A FOOTE		3392	787052 FORD		472258	79058080 NEHO		713149	7960 C-R		20X46X7
77TT3K169A9A FORD		3392	7871 C-R		481644*	7907 C-R		20X31X7	796135 GMC		730003
77TT7048AA FORD		3388	78712 WAUKE		472354!	7909 C-R		20X30X7V	79634H IH		473238
78 C-R		415196!	7872 C-R		481644	790963 GMC		416664!	7965 C-R		20X47X7
7800 C-R		19X32X7!	78725 C-R		417657=	790964 GMC		471271!	7966 C-R		20X47X7
7800 C-R		19X32X8	7873 HYST		474281!	7910 C-R		20X32X7!	7966589 WILYS		450588!
78016 HYST		473459	78730 C-R		455397	7910 C-R		222020	7966691 WILYS		471765!
7801626 GMC		313842	78738 C-R		455121*	79102111 CHRYS		470059N	79667H IH		411253!
7802160 GMC		480821!	78740 C-R		455121	7912 C-R		20X32X7	79668H IH		416654
780316C91 IH		370124A	78741 C-R		455121	7912 TOWNR		6575S	7967 C-R		20X47X7V
78062 WAUKE		473227!	7875 C-R		481644*	7914 C-R		222025!	7967A C-R		473467!
78062 WAYNE		473227	7878 C-R		481644	791436 CLARK		240735	7968 C-R		20X47X7V
780819S GMC		7013S	78780 C-R		417016	791471 GMC		4561V	79680H IH		470530!
78083 CHRYS		474281!	787D6 WHITE		416130!	791471 GMC		5602	79688H IH		416654
78084 AM WH		473313	7882A C-R		473215!	7915 C-R		20X35X7!	7970 C-R		20X48X7
780D6 WHITE		415437!	7884 C-R		471337	7915 C-R		222030	7975 C-R		20X50X7
780D6 WHITE		415437	788484C91 IH		370001A	7916 C-R		20X35X7	797624M1 C-R		415327*
781175 FORD		5877	788485C91 IH		370023A	7917 C-R		20X35X7*	7979453 AMC		473367
781175A FORD		5877	788524 C-R		416024	7918 C-R		222020	7979453 AMC		473367!
7814 C-R		470601	78857 EATON		412473	7919 C-R		20X36X7	7979455 AMC		473367!
781564-C92 IH		HU110A	7885A C-R		417316!	7919S SPG		471821!	7979455 AMC		473367
781565-C91 IH		HU009A	7886 C-R		471337	7920 C-R		20X36X7	7979456 AMC		472826!
7816612 GMC		251511	7886 JOY		417563	7920 C-R		222036	7980 C-R		20X52X7
7824N SPG		471193	788612 C-R		417563	7921 C-R		20X36X7	7981 C-R		20X52X7
7825S SPG		473228!	788612 HU-WR		417563	7921 C-R		222036	7983 C-R		20X52X7
7826470 GMC		PSK-1	788612M1 C-R		417563	7922 C-R		222030	7985071 AMC		410708
78274 HARRI		472560N!	7886S TIMKE		7886S	7923 C-R		222030	798528 GMC		415007
7828 C-R		481443!*	7888 C-R		471337	7924 C-R		222036	7989 WOODB		455079!
7828565 GMC		471267	7889 C-R		474273!	7925 C-R		20X37X7	79903 EATON		253099
7829 C-R		481443!*	788CP612-L C-R		417563	7925 C-R		20X37X8	7993 TOWNR		200110
7829887 GMC		222510	7890 C-R		474273	7926 C-R		20X35X7*	7994S TIMKE		7994S
7831 C-R		481443!*	7893A C-R		471689!	7929 C-R		20X35X7!	79950 C-R		415656
7832 C-R		481443!*	7896S TIMKE		7896S	7929 C-R		222030	799527 CLARK		471570!
7832730 GMC		222025	789W612 C-R		417563	7929S TIMKE		7929S	799528 CLARK		471267!
7833 C-R		481443!*	78D HWY		471518	7930 C-R		20X38X7	799529 CLARK		471413!
7834 C-R		481443!	78M1 WHITE		50468	79302 C-R		417817	799530 CLARK		470625!
7834 TIMKE		472164	78X10010XX TIMKE		78X100X10	79303 C-R		417817	799531 CLARK		473227!
7835 C-R		481443!	78X100X10SC TRSCM		78X100X10	793246 GMC		100495	79960 C-R		415656*
7835A C-R		471835!	78X100X10TC TRSCM		78X100X10	793246 GMC		5601	79961 C-R		415656*

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

OIL SEALS

NATIONAL®

799845 – 8004670

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
799845	GMC	473462	7F4236	CATER	456057	7Y1040	GW	450593!	80016602	ALLCH	470334!
79997	C-R	417600	7F5916	CATER	415551	7Y1040	IH	450593!	800180	TIMKE	800180
79998	C-R	417600	7F5921	CATER	417350!	7Y1040	KEN	450593!	800181	ALLCH	471787!
799990	GMC	50075 =	7F6885	CATER	417487	7Y1040	WHITE	450593!	800181	TIMKE	800181
799D5	WHITE	415137!	7F9214	CATER	415035	7Y1255	GW	471554!	800184	TIMKE	800184
799D5	WHITE	418028	7H2199	CATER	415213N	7Y1518	GW	471224!	800185	TIMKE	800185
7A-032077	FWD	323138!	7H6991	CATER	412943	8	BL-KN	415196!	80018R91	IH	5406
7A-032078	FWD	450400	7H7107	CATER	472015!	8-94336316-0	GMC	710080	80020	C-R	417601
7A032074	FWD	474276!	7J6582	CATER	417211!	8-94367958-0	GMC	710080	800200	TIMKE	800200
7A1110	OLIVE	412473!	7J6583	CATER	415991	8-94367960-1	GMC	710081	800201	TIMKE	800201
7A1110	WHITE	412473!	7J6583	CATER	455146!	8-97023977-1	GMC	710080	800204	TIMKE	800204
7A1443A	OLIVE	417621!	7J7673	CATER	471466	8-CG134	MACK	471553!	800205	TIMKE	800205
7A1443B	OLIVE	417343!	7K2009	CATER	471138!	8-CG175	MACK	472636!	80021	C-R	417601
7A1582	OLIVE	472164!	7K2830	CATER	415458!	8-EJW32	MACK	450307	800220	TIMKE	800220
7A1590	OLIVE	470334!	7K9201	CATER	710023	80-0616	BUCE	416229	800221	TIMKE	800221
7A2125	OLIVE	470954	7K9202	CATER	710024	800	NEA	35402	800223	ALLCH	474272!
7A930	OLIVE	470954!	7K9203	CATER	710025	800	UNIVE	417602!	800224	TIMKE	800224
7B0280	CATER	471554	7K9204	CATER	710026	80000	C-R	417600	800225	ALLCH	412473!
7B0368	CATER	416154!	7K9205	CATER	710027	800001-043	MERCE	100X130X12!	800225	TIMKE	800225
7B1955	CATER	417621 =	7K9206	CATER	710027	80001	C-R	417600	80022505	ALLCH	412473!
7B1955	SKIL	417621 =	7K9208	CATER	710038	800030	TIMKE	800030	800250	TIMKE	800250
7B2051	CATER	413469	7K9209	CATER	710028	800034	TIMKE	800034	800251	TIMKE	800251
7B2174	CATER	471192	7K9211	CATER	710030	800040	TIMKE	800040	800254	TIMKE	800254
7B2174	WESTR	471192	7K9214	CATER	710035	800044	TIMKE	800044	800255	TIMKE	800255
7B280	CATER	471554!	7K9216	CATER	710036	800050	TIMKE	800050	80028	MCCOR	473234
7B3568	CATER	416154!	7K9217	CATER	710031	800051	TIMKE	800051	800280	TIMKE	800280
7B368	CATER	416154!	7K9219	CATER	710037	800054	TIMKE	800054	800281	TIMKE	800281
7B3736	CATER	415007	7K9220	CATER	710032	800055	TIMKE	800055	800284	TIMKE	800284
7B3785	CATER	415035	7L2343	CASE	470625!	800060	TIMKE	800060	800285	TIMKE	800285
7B3785	CATER	415035!	7L2345	CATER	470625!	800061	TIMKE	800061	80030	MCCOR	450666
7B430	CATER	417316!	7L6383	CATER	472015 =	800064	TIMKE	800064	800300	TIMKE	800300
7B4375	CATER	471526!	7L6608	CATER	455134 =	800065	TIMKE	800065	800301	TIMKE	800301
7B4624	CATER	412871!	7M2492	CATER	441130	800070	TIMKE	800070	800304	TIMKE	800304
7B4962	CATER	417621!	7M3956	CATER	472810*	800071	TIMKE	800071	800305	TIMKE	800305
7B5425	CATER	415449!	7M4236	CATER	456057	800074	TIMKE	800074	80032	MCCOR	471689!
7B556	CATER	471255!	7M7525	CATER	471649	800075	TIMKE	800075	800320	TIMKE	800320
7B8320	CATER	471570!	7M8451	CATER	415379	800080	TIMKE	800080	800321	TIMKE	800321
7B8821	CATER	412473!	7M8680	CATER	473235!	800081	TIMKE	800081	800324	TIMKE	800324
7C-1728	CATER	39044	7M8805	CATER	473367!	800084	TIMKE	800084	800325	TIMKE	800325
7C-1728	CATER	39883	7M8805	CATER	473367	800085	TIMKE	800085	80034	MCCOR	471354!
7C1813	CATER	39926	7M8930	CATER	470059	800093	WILYS	5585	80034S	MCCOR	471354!
7C3570	CATER	39881	7M8930	CATER	470380!	8001	C-R	6357S	80035	C-R	417602!
7C3571	CATER	39880	7N1999	CATER	5613!	80010	C-R	417601	80035	MCCOR	480630!
7C4163	CATER	39882	7NF-08	GEM	6703S	800100	MICH	417602!*	800350	TIMKE	800350
7C4297	CATER	39886	7NF-09	GEM	6703S	800100	TIMKE	800100	800351	ALLCH	471765!
7C6660	CATER	415303	7NF-09	ROSS	6703S	8001000	UNIVE	417602!	800351	TIMKE	800351
7C7473	CATER	J2608	7QH1175	FORD	370023A	800101	TIMKE	800101	800354	TIMKE	800354
7D003	SHOV	470088	7RA7657	FORD	473228!	800104	TIMKE	800104	800355	TIMKE	800355
7D011	SHOV	455336	7S6798	CATER	330385	800105	TIMKE	800105	80036	C-R	417602!
7D33	CATER	416292	7W3200	CATER	39801	800108	GMC	471272 =	80037	C-R	417602!
7D7837	CASE	200799 =	7W6130	CATER	5613!	80012	MCCOR	450044	800371	ALLCH	471649!
7D9007	CATER	352541	7W6131	CATER	5613!	800120	TIMKE	800120	80037103	ALLCH	471649!
7E7589	CATER	39880	7X16X7	FORSH	7X16X7	800121	TIMKE	800121	80038	C-R	417602!
7E7589	CATER	39881	7X16X7	SIMRT	7X16X7	800124	TIMKE	800124	800380	TIMKE	800380
7EA6700	FORD	473010	7X16X7SC	TRSCM	7X16X7	800125	TIMKE	800125	800381	TIMKE	800381
7EQ1174	FORD	5401\$	7X16X7TC	TRSCM	7X16X7	800128	HESST	410989	800384	TIMKE	800384
7EQ1175	FORD	6270	7X22X7	FORSH	7X22X7	800128	HESST	470989	800385	TIMKE	800385
7EQ1175A	FORD	6270	7X22X7	SIMRT	7X22X7	80013	MCCOR	472287!	8003854	GMC	450165
7EQ1181	FORD	5401	7X22X7SC	TRSCM	7X22X7	800130	TIMKE	800130	8003854	GMC	471801!
7EQ1181A	FORD	5401	7X22X7TC	TRSCM	7X22X7	800134	TIMKE	800134	8003855	GMC	471316!
7EQ1181A2	FORD	5401	7X4742	CATER	417247 =	80014	MCCOR	471570!	80040	C-R	417602!
7EQ4676	FORD	412119	7X4779	CATER	4603V =	800140	TIMKE	800140	800400	TIMKE	800400
7EQ4813	FORD	470898!	7X658	CATER	J1984* =	800141	TIMKE	800141	800401	TIMKE	800401
7EQH1174	FORD	6532S =	7XA745	OLIVE	55141	800144	TIMKE	800144	800404	TIMKE	800404
7EQH1175	FORD	456618	7XA864	OLIVE	415303!	800145	TIMKE	800145	800405	TIMKE	800405
7EQH1181	FORD	6532S =	7Y1039	CHRY	473215!	80015	MCCOR	450040	80042	MCCOR	471750!
7EQH4168	FORD	5M867	7Y1039	DIA	473215!	80016	MCCOR	473215!	800450	TIMKE	800450
7EQH4676	FORD	415458!	7Y1039	GW	473215!	800160	TIMKE	800160	800451	TIMKE	800451
7F2063	CATER	471763	7Y1039	IH	473215!	800161	TIMKE	800161	800454	TIMKE	800454
7F3211	CATER	472439	7Y1039	WHITE	473215!	800164	TIMKE	800164	800455	TIMKE	800455
7F3536	CATER	474278!	7Y1040	CHRY	450593!	800165	TIMKE	800165	8004633	GMC	416888
7F3536	CATER	6859S	7Y1040	DIA	450593!	800166	ALLCH	470334!	8004670	GMC	416888

! Industrial Size/Type * Minor Width Difference \$ F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
8004670	GMC	455137!	800805	TIMKE	800805	80121	MCCOR	471787	80179HZ	PARK	417254
8004673	GMC	473449	80081	C-R	417602!*	80122	MCCOR	472164!	80179JA	PARK	416342 =
8004846	GMC	417621!	80083	MCCOR	471820	80123	MCCOR	473227!	80179JE	PARK	415072
8004848	GMC	472397!	80084	C-R	417602!*	80124	MCCOR	450400	80179KF	PARK	473179!
8004855	GMC	416888	80085	C-R	417602!*	80125	MCCOR	470774!	80179KH	REPUB	416664!
8004866	GMC	472636!	800850	TIMKE	800850	80126	MCCOR	450593!	80179KJ	REPUB	476470
8004867	GMC	472397!	800851	TIMKE	800851	80127	MCCOR	353141!	80179KJ	REPUB	476470!
8004885	GMC	471504!	800854	TIMKE	800854	80128	MCCOR	470004!	80180	MCCOR	471255!
800500	TIMKE	800500	800855	TIMKE	800855	80130	MCCOR	471532	801800	TIMKE	801800
800501	TIMKE	800501	80089	MCCOR	472258	801300	TIMKE	801300	801801	TIMKE	801801
800504	TIMKE	800504	80090	C-R	417602!*	801301	TIMKE	801301	801802	TIMKE	801802
800505	TIMKE	800505	80090	MCCOR	473211!	801304	TIMKE	801304	801804	TIMKE	801804
80051344	FALKC	417567	800900	TIMKE	800900	801305	TIMKE	801305	801805	TIMKE	801805
80051353	FALKC	415035!	800901	TIMKE	800901	80133	MCCOR	40576S	801806	TIMKE	801806
80051353	FALKC	415035	800904	TIMKE	800904	80138	MCCOR	471787!	80180S	MCCOR	471255!
80051354	FALKC	416292	800905	TIMKE	800905	80139	MCCOR	473426	80181	MCCOR	50026
800537	ALLCH	240414	800906	ALLCH	471868	80140	MCCOR	6241S	801816	WILYS	340787
80055	C-R	417602!	80090602	ALLCH	471868	801400	TIMKE	801400	80182	MCCOR	471554!
800550	TIMKE	800550	80091	MCCOR	471192	801401	TIMKE	801401	80182S	MCCOR	471554!
800551	TIMKE	800551	8009164	GW	40316S	801402	TIMKE	801402	80183	MCCOR	471567!
800554	TIMKE	800554	80092	C-R	415052	801404	TIMKE	801404	80183S	MCCOR	471567!
800555	TIMKE	800555	80092	MCCOR	50468	801405	TIMKE	801405	80184	MCCOR	473414
80056	MCCOR	473213!	80093	MCCOR	472164!	801406	TIMKE	801406	80185	MCCOR	471137
80058	MCCOR	473228	80093H	IH	470059	80141	MCCOR	470625!	80186	MCCOR	450039
80059	MCCOR	473419	80093H	IH	470380!	80146	MCCOR	473226	80188	MCCOR	450048
80060	C-R	417602!*	80095	MCCOR	6936S	80147	MCCOR	473228	80189	MCCOR	473427
80060	MCCOR	474253	800950	TIMKE	800950	80148	MCCOR	473229	8019	C-R	471539
800600	TIMKE	800600	800951	TIMKE	800951	8015	C-R	471539!	80190	MCCOR	450054
800601	TIMKE	800601	800954	TIMKE	800954	801500	TIMKE	801500	801900	TIMKE	801900
800604	TIMKE	800604	800955	TIMKE	800955	801501	TIMKE	801501	801901	TIMKE	801901
800605	TIMKE	800605	80096	MCCOR	474264	801502	TIMKE	801502	801902	TIMKE	801902
800616	B-L-H	416229	80097	C-R	7131	801504	TIMKE	801504	801904	TIMKE	801904
800616	C-R	416229	80097	MCCOR	473367!	801505	TIMKE	801505	801905	TIMKE	801905
800616	GAL	416229	80097	MCCOR	473367	801506	TIMKE	801506	801906	TIMKE	801906
800616	GR-DV	416229	80099	MCCOR	470625!	8016	C-R	471539!	80191	MCCOR	473225!
800616	MINMA	416229	800A616	C-R	416229	801600	TIMKE	801600	80192	MCCOR	470059
800616M1	C-R	416229	801000	TIMKE	801000	801601	TIMKE	801601	80192	MCCOR	470380!
800624	C-R	415327	801001	TIMKE	801001	801602	TIMKE	801602	80192S	MCCOR	470059
80063212	TROS	416229	801004	TIMKE	801004	801604	TIMKE	801604	80192S	MCCOR	470380!
80063216	TROS	416229	801005	TIMKE	801005	801605	TIMKE	801605	80193	MCCOR	474264
80064	MCCOR	5976S	801006TA	TRSCM	417602!	801606	TIMKE	801606	80194	MCCOR	471821!
800650	TIMKE	800650	80101	MCCOR	450173	80161	MCCOR	471763	80195	MCCOR	450065
800651	TIMKE	800651	80102	MCCOR	471766!	80162	MCCOR	473215!	80197	MCCOR	471442!
800654	TIMKE	800654	80102S	MCCOR	471766!	80164	MCCOR	473367	80198	MCCOR	450129
800655	TIMKE	800655	80103	MCCOR	471765!	801641	AM HO	416107!	80198	MCCOR	472826!
80066	MCCOR	471224!	80105	MCCOR	471835!	801641	AM HO	455073	80198S	MCCOR	450129
80068	MCCOR	473212!	80106	MCCOR	472705!	801642	AM HO	417554!	80198S	MCCOR	472826!
80069	MCCOR	471413	80107	MCCOR	471553!	80166	MCCOR	471264	801990	TIMKE	801990
8007	C-R	416364!	80108	MCCOR	476838!	80167	MCCOR	240119	801991	TIMKE	801991
8007	ONAN	471766!	80108S	MCCOR	476838!	80168	MCCOR	471224	801994	TIMKE	801994
800700	TIMKE	800700	80109	GW	471224!	80169	MCCOR	470954	801995	TIMKE	801995
800701	TIMKE	800701	80109	IH	471224!	8017	C-R	471539!*	802	UNIVE	455123*
800704	TIMKE	800704	80109	MCCOR	5M406 =	801700	TIMKE	801700	8020	C-R	471539!
800705	TIMKE	800705	80109	WHITE	471224!	801701	TIMKE	801701	80200	MCCOR	471750!
80071	MCCOR	472560N!	80110	MCCOR	481644	801702	TIMKE	801702	802000	TIMKE	802000
8007118	GW	471341!	801100	TIMKE	801100	801704	TIMKE	801704	802004	TIMKE	802004
800716	ALLCH	340771	801101	TIMKE	801101	801705	TIMKE	801705	802006	TIMKE	802006
80072	MCCOR	473438	801104	TIMKE	801104	801706	TIMKE	801706	80201	MCCOR	473205
800750	TIMKE	800750	801105	TIMKE	801105	801723	WILYS	340413	80202	MCCOR	471760
800751	TIMKE	800751	80111	MCCOR	450165	80174	MCCOR	471281!	80203	MCCOR	471762!
800754	TIMKE	800754	80111	MCCOR	471801!	80175	MCCOR	471466!	80204	MCCOR	471763
800755	TIMKE	800755	80112	MCCOR	471192	8017591	GMC	350364	80205	MCCOR	473214
80076	MCCOR	473228!	80113	MCCOR	470606!	80175S	MCCOR	471466!	80206	MCCOR	473016!
80079	MCCOR	472354!	80114R1	IH	240009	80176	MCCOR	50010	80207	MCCOR	471571
800797	ALLCH	472311!	80118	MCCOR	470625!	80177	MCCOR	471472!	80208	MCCOR	450188
8008	KINNR	481073	80120	MCCOR	473231	801774	AM HO	416158	80209	MCCOR	473010
80080	C-R	417602!	801200	TIMKE	801200	80178JA	PARK	416342 =	80212	MCCOR	50199S!
80080	MCCOR	470950!	801201	TIMKE	801201	80179	MCCOR	471549!	80212	MCCOR	6863S!
80080	MCCOR	6241S	8012013A	HARWA	80X120X13	80179AA	PARK	7973S	80213	MCCOR	471231!
800800	TIMKE	800800	801204	TIMKE	801204	80179AQ	PARK	416865!	80213S	MCCOR	471231!
800801	TIMKE	800801	801205	TIMKE	801205	80179BP	PARK	415867	80214	MCCOR	471646!
800804	TIMKE	800804	80120S	MCCOR	473231	80179HY	PARK	415725!	80215	MCCOR	471647

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
80216	MCCOR	471649!	8029	C-R	471231!	80352	MCCOR	470380!	8043209	GMC	417357
80217	MCCOR	471733	80291	MCCOR	240733	80355	MCCOR	40769S	8043209	GMC	455192!
80218	MCCOR	470712!	8029148	GMC	471646!	80356	MCCOR	472164!	80434	MCCOR	340815
80219	MCCOR	471785!	80293	MCCOR	240009	80358	MCCOR	470954!	80435	MCCOR	471750!
80219S	MCCOR	471785!	80295	MCCOR	340797	80359	MCCOR	340787	80436	MCCOR	6597S
8022	C-R	471539!	80296	MCCOR	471526!	8036	JN-MN	370001A	80437	MCCOR	471705!
80220	MCCOR	471795	80297	MCCOR	6489	80360	MCCOR	340413	80438	MCCOR	43089S
802200	TIMKE	802200	80298	MCCOR	473228	80362	MCCOR	474279N	80439	MCCOR	6760S
802202	TIMKE	802202	80299	MCCOR	471224!	80365	MCCOR	471765!	8043932	GMC	471760
802204	TIMKE	802204	8030	C-R	471231!	80366	MCCOR	471192	8043933	GMC	473010
802206	TIMKE	802206	80300	MCCOR	471276	80367	MCCOR	471529	8043934	GMC	473226
80221	MCCOR	473436	803000	TIMKE	803000	80368	MCCOR	254270	8044	C-R	471231!
80222	MCCOR	50327	803002	TIMKE	803002	80369	MCCOR	240385	80440	MCCOR	6241S
80223	MCCOR	474255	803004	TIMKE	803004	8037	JN-MN	370048A	80442	MCCOR	340210
80225	MCCOR	471504!	803006	TIMKE	803006	803712	ALLCH	471649!	80444	MCCOR	470954!
80226	MCCOR	474278!	80301	MCCOR	471765!	803732	ALLCH	472560N!	80446	MCCOR	340771
80227	MCCOR	474276!	80302	MCCOR	472258!	803735	ALLCH	451583!	80447	MCCOR	240470
80228	MCCOR	330385!	80303	MCCOR	471827	80374	MCCOR	240435	80448	MCCOR	350364
80229	MCCOR	473227	80304	MCCOR	471829	8037417	GMC	471481	80449	MCCOR	471264!
8023	C-R	471539!	80305	MCCOR	473445	8037418	GMC	418028	80450	MCCOR	481443!
80230	MCCOR	353132	80305S	MCCOR	473445	8037418	GMC	455137!	804500	TIMKE	804500
80232	MCCOR	472299	80306	MCCOR	450398	803750	TIMKE	803750	804502	TIMKE	804502
80233	MCCOR	323138!	80306	MCCOR	471267!	803752	TIMKE	803752	804503	TIMKE	804503
80234	MCCOR	450482	80307	MCCOR	471192	803754	TIMKE	803754	804504	TIMKE	804504
8023438	FAIRB	415371	80308	MCCOR	471766!	803756	TIMKE	803756	804506	TIMKE	804506
80235	MCCOR	50490=	80309	MCCOR	240319	803764	WILYS	370021A	80453	MCCOR	450666
80237	MCCOR	473423	80310	MCCOR	472354!	80377	MCCOR	240414	80454	MCCOR	6985
80238	MCCOR	474276!	80311	MCCOR	42763	80378	MCCOR	481073	8045416	GMC	471787!
80239	MCCOR	471255!	80312	MCCOR	40468	80379	MCCOR	240319	80455	MCCOR	6840S
8024	FULLE	415146!	80313	TIMKE	80313	80380	MCCOR	240462	80456	MCCOR	6815
8024	FULLE	415991	80314	MCCOR	481650	80381	MCCOR	450033	80458	MCCOR	473229
8024	JA-MI	415146!	80315	MCCOR	471735	80383	MCCOR	471692!	80459	MCCOR	473367!
8024	JA-MI	415991	80316	MCCOR	471764!	80387	MCCOR	6312	80459	MCCOR	473367
8024	JAE	415146!	803162	Y-T	411330!	80388	MCCOR	472287!	80461	MCCOR	40438S
8024	JAE	415991	80317	MCCOR	471103!	80389	MCCOR	473421	80462	MCCOR	470954
802500	TIMKE	802500	80317S	MCCOR	471103!	80390	MCCOR	473367	80463	MCCOR	470774!
802502	TIMKE	802502	80318	MCCOR	481443!	803900	AMC	471787!	8046320	SPICE	415379
802504	TIMKE	802504	80319	MCCOR	471192	803900	WILYS	471787	8046320	SPICE	415379!
802506	TIMKE	802506	80320	MCCOR	473228!	80392	MCCOR	474276	8046333	SPICE	456744N
8026	FULLE	417316!	80321	MCCOR	471344	80393	MCCOR	40328	8046339	SPICE	416921!
80269	MCCOR	5M445	80324	MCCOR	471619!	80398	MCCOR	350936	804634	SPICE	100495
8027	C-R	480889	803250	TIMKE	803250	80398N	MCCOR	350936	804634	SPICE	417349
8027	FULLE	417191	803252	TIMKE	803252	80399	MCCOR	452222!	80464	MCCOR	6241S
80272	MCCOR	6966S	803254	TIMKE	803254	804	UNIVE	415124	80465	MCCOR	474278!
80273	MCCOR	471413!	803256	TIMKE	803256	80400	MCCOR	471267!	80465	MCCOR	6859S
802732	ALLCH	472560N!	80329	MCCOR	473435	804000	TIMKE	804000	80466	MCCOR	471827
80275	MCCOR	470712	80330	MCCOR	6370N	804002	TIMKE	804002	80467	MCCOR	6966S
802750	TIMKE	802750	80330	TIMKE	470605	804004	TIMKE	804004	80469	MCCOR	6863S!
802752	TIMKE	802752	80332	MCCOR	471442!	804006	TIMKE	804006	80470	MCCOR	471076
802754	TIMKE	802754	803329	WILYS	472560N	80403	MCCOR	323138!	8047077	GMC	413478
802756	TIMKE	802756	80333	MCCOR	483054N	80405	MCCOR	470954!	80471	MCCOR	472258
80278	MCCOR	450339	80334	MCCOR	417267	80406	MCCOR	240698	80473	MCCOR	470774!
80279	MCCOR	50402	80335	MCCOR	473203	80408	MCCOR	9613S	80475	MCCOR	417267
8027A	C-R	200640	80336	MCCOR	330385	80409	MCCOR	471539!	80481	MCCOR	471466!
8028	JN-MN	370007A	80337	MCCOR	40769S	80410	MCCOR	471413!	80483	MCCOR	350156
80280	MCCOR	50462	80338	MCCOR	6489	804101	MICH	455123*	80483	MCCOR	473096
80281	MCCOR	450535	80339	CUMMI	473228	8041012	UNIVE	455123*	80484	MCCOR	480210!
80281	MCCOR	471264!	80339	OLIVE	473228	80416	MCCOR	471684!	80485	MCCOR	472951
80282	MCCOR	450536	80341	MCCOR	472560N	80418	MCCOR	481568!	80485	MCCOR	474252
80282	MCCOR	471535!	80342	MCCOR	340724!	80420	MCCOR	471526!	80486	MCCOR	471688
80283	MCCOR	471267!	80343	MCCOR	471801!	80421	MCCOR	471689!	80487	MCCOR	471652
8028356	GMC	416288!	80344	MCCOR	471829	80422	MCCOR	40059S	80488	MCCOR	472311!
80286	MCCOR	410059	80345	MCCOR	471571	80424	MCCOR	473228!	80489	MCCOR	473224!
80286	MCCOR	470380!	8034503	GMC	471271!	80425	MCCOR	50254=	80490	MCCOR	470506!
80287	MCCOR	40067S=	80347	MCCOR	480630	80426	MCCOR	471570!	80491	MCCOR	471267!
8028747	GMC	470088	80348	MCCOR	471765!	80428	MCCOR	471504!	80493	MCCOR	473228!
8028752	GMC	471689!	80349	MCCOR	340927	80429	MCCOR	6597S	80494	MCCOR	240731
8028753	GMC	471103!	803500	TIMKE	803500	8043	C-R	471231!	80495	MCCOR	240735
8028754	GMC	471570!	803502	TIMKE	803502	80430	MCCOR	471564	80496	MCCOR	240736
80288	MCCOR	240356	803504	TIMKE	803504	80431	MCCOR	471766!	80497	MCCOR	240816
80289	MCCOR	240151	803506	TIMKE	803506	80432	MCCOR	471649!	80499	MCCOR	471224!
80289	NATL	200600	80352	MCCOR	410059	8043208	GMC	455079!	80500	MCCOR	350364

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
805000	TIMKE	805000	80559	MCCOR	471224	80630	MCCOR	471765	807503	TIMKE	807503
805002	TIMKE	805002	8056	C-R	471231 ! *	806303	TIMKE	806303	807541	Y-T	6886S
805003	TIMKE	805003	80560	MCCOR	340853	80631	MCCOR	410059	807608	CUSH	472287 !
805004	TIMKE	805004	80562	MCCOR	471267 !	80631	MCCOR	470380 !	807610	CUSH	205004
80501	MCCOR	471267 !	80564	MCCOR	473454	80632	MCCOR	450400	807611	CUSH	471571
80502	MCCOR	254287	80566	MCCOR	470954	80633	MCCOR	204017	807626	CUSH	240731
80503	MCCOR	481163 !	80569	MCCOR	450124 =	80635	MCCOR	482253	807630	CUSH	204020
80504	MCCOR	473227	80570	MCCOR	473426	80636	MCCOR	203003	807630	CUSH	204505 !
8050473	GMC	471272 !	805703	TIMKE	805703	8063666	GMC	471762 !	807734	AM HO	415379
80505	MCCOR	473424 !	80572	MCCOR	473237 !	80639	MCCOR	471744 !	807734	AM HO	415379 !
80506	MCCOR	350974 !	80574	MCCOR	501995 !	80640	AM WH	471765 !	807975	AM HO	455129
80508	MCCOR	6759S	80574	MCCOR	6863S !	80640	MCCOR	471195 !	807VB7	MARI	417604
80509	MCCOR	6952S =	805741	WILYS	471267 !	806403	TIMKE	806403	808	UNIVE	417604 *
8051	C-R	471231 !	80575	MCCOR	6847S	80641	AM WH	473228	8080	C-R	353131 *
805103	TIMKE	805103	80576	MCCOR	340400	80641	MCCOR	471821 !	808000	TIMKE	808000
80511	MCCOR	340356	8057681	GMC	473228	80643	MCCOR	203029	808003	TIMKE	808003
80512	MCCOR	205017	80577	MCCOR	6703S	80645	MCCOR	473228 !	808102	MICH	415124
80513	MCCOR	471652	805803	TIMKE	805803	80646	MCCOR	7442H	8081025	UNIVE	415124 *
80513	MCCOR	482208 !	80582	MCCOR	321460	80648	MCCOR	473214	808118	AM HO	417362 !
80514	MCCOR	9568	80589	MCCOR	473237	80649	MCCOR	6241S	808151	AM HO	415938
805150	WILYS	6626S	80590	MCCOR	7456N	80650	MCCOR	471538	808197	AM HO	416364 !
80516	MCCOR	40185	805903	TIMKE	805903	806500	TIMKE	806500	808203	TIMKE	808203
80517	MCCOR	473215 !	80593	MCCOR	471193	806503	TIMKE	806503	8083254	GMC	416271 !
80517A	HERCU	471689 !	80594	MCCOR	7994S	80651	MCCOR	7886S	8083554	GMC	415023
80518	MCCOR	472810 !	80595	MCCOR	451182	80652	MCCOR	7013S	8083560	GMC	476470
8052	C-R	471231 !	80597	MCCOR	473234 !	8065485	GMC	412920 !	808500	TIMKE	808500
805203	TIMKE	805203	8059958	GMC	417481	80657	MCCOR	240119	808503	TIMKE	808503
80522	MCCOR	471442 !	8059S	TIMKE	8059S	80658	MCCOR	7607	8087	C-R	474253 !
80523	MCCOR	470380 !	805D5	WHITE	417159	80660	MCCOR	471827 !	8088	C-R	474253 *
80524	MCCOR	450604	805VB7	MARI	417602 !	80661	MCCOR	7934S	8088	C-R	474253 *
80525	MCCOR	471567 !	806	NEA	25598	80662	MCCOR	29129S	8088	C-R	474253
80526	MCCOR	471413	806	UNIVE	417022	80663	MCCOR	471193	808VB7	MARI	415128
80527	MCCOR	240009	8060	C-R	471231 !	80664	MCCOR	7929S	809000	TIMKE	809000
80528	MCCOR	471267 !	8060	JN-MN	AR10+370020A	80665	MCCOR	8059S	809003	TIMKE	809003
80529	MCCOR	473317	80600	MCCOR	7188S	80666	MCCOR	724S	80926TA	TRSCM	417600
80529S	MCCOR	473317	806000	TIMKE	806000	80670	MCCOR	8293S	809323	ACF	450456 !
805303	TIMKE	805303	806002	TIMKE	806002	80671	MCCOR	471827	8093412	GMC	418028
805308	WILYS	40286	806003	TIMKE	806003	80671	NATL	200640	8093412	GMC	455137 !
80531	MCCOR	6966S	806004	TIMKE	806004	80672	MCCOR	8121S	809500	TIMKE	809500
80532	MCCOR	473231 !	80601	MCCOR	7537S	80673	MCCOR	8133S	809503	TIMKE	809503
80533	MCCOR	472164	8060152	GMC	473228	80674	MCCOR	7994S	80956TA	TRSCM	417601
80534	MCCOR	7018N =	80602	MCCOR	7399S !	80675	MCCOR	484054	809864	WILYS	470625 !
80535	MCCOR	473234	80603	MCCOR	7840S	80676	MCCOR	34280S	8099	C-R	474253 !
80536	MCCOR	7686S	80604	MCCOR	7399S !	8067692	GMC	472179	8099723	GMC	472636 !
80537	MCCOR	470625 !	80605	MCCOR	480210 !	8067694	GMC	476838 !	8099724	GMC	470530 !
80539	MCCOR	474256	80606	MCCOR	40769S	80678	MCCOR	471766	809VB7	MARI	417601
80540	MCCOR	340787	80607	MCCOR	7412S	80679	MCCOR	5MR1300	80AX755	MACK	J1288 =
80541	MCCOR	352541	8060884	WHITE	386025A	80680	MCCOR	331173	80AX758	MACK	J1293 =
80542	MCCOR	470954 !	8060889	WHITE	370048A	80681	MCCOR	473454	80AX763	MACK	J1123
805424	AM HO	416345 !	8060889	WHITE	380048A	80682	MCCOR	472164	80DT7052A3A	FORD	2655
805424	AM HO	455033	80609	MCCOR	474260	80683	MCCOR	472705 !	80ET7048AA	FORD	2503
805425	AM HO	415035	80610	MCCOR	41257 !	80685	MCCOR	471652	80ET7048AA	FORD	2503N
805425	AM HO	415035 !	806103	TIMKE	806103	80686	MCCOR	480821 !	80ET7052AA	FORD	2443
805430	AM HO	416888 !	80612	MCCOR	331228H	80687	MCCOR	473228	80L1	GR-DV	J1120 =
805432	AM HO	415351 !	80614	MCCOR	470774 !	80688	MCCOR	410059	80L2	GR-DV	J1129
8054341	GMC	473016 !	80615	MCCOR	203008	80688	MCCOR	470380 !	80L4	GR-DV	J1109
805449	AM HO	417298	80616	MCCOR	353135	80690	MCCOR	9613S	80L5	GR-DV	J1121
80545	MCCOR	471787	80616	MCCOR	474278 !	80691	MCCOR	50266	80L6	GR-DV	J1117
80546	MCCOR	472354 !	80617	MCCOR	203016	80692	MCCOR	7934S	80L7	GR-DV	J1118
80548	MCCOR	473412	80618	MCCOR	471750	80693	MCCOR	8597S	80L8	GR-DV	J1131
80549	MCCOR	471264 !	80619	MCCOR	203003	80696	MCCOR	471193	80L9	GR-DV	J1119
8055	C-R	471231 !	80620	MCCOR	6906S	80697	MCCOR	471267 !	80M1	GR-DV	J1136
80550	MCCOR	7014S	806203	TIMKE	806203	80698	MCCOR	51322	80M10	GR-DV	J1140
805500	TIMKE	805500	80621	MCCOR	203012	80700	MCCOR	311189	80M11	GR-DV	J1081
805502	TIMKE	805502	80622	MCCOR	203025	807000	TIMKE	807000	80M12	GR-DV	J1107
805503	TIMKE	805503	80623	MCCOR	203013	807003	TIMKE	807003	80M13	GR-DV	J1105
805504	TIMKE	805504	80624	MCCOR	6832S	80701	MCCOR	7686S	80M4	GR-DV	J1132
80551	MCCOR	340823	80625	MCCOR	204008	80702	MCCOR	8660S	80M5	GR-DV	J1101
80553	MCCOR	451583 !	80627	MCCOR	204020	80703	MCCOR	8705S	80M6	GR-DV	J1122
80554	MCCOR	471763	80627	MCCOR	204505 !	80704	MCCOR	9569S	80TX116	COTTA	471192
80556	MCCOR	473228	80628	MCCOR	481073	807250	TIMKE	807250	80TX125	COTTA	472185 !
80557	MCCOR	471195 !	80629	MCCOR	50883 =	807500	TIMKE	807500	80TX134	COTTA	411253 !

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
80TX144	COTTA	415960!	81101429	BUC-E	455073	8130810	AMC	472572	814796	WHITE	470625!
80TX288	COTTA	455197N	811035	C-W	473460	8130870	AMC	3173	814797	WHITE	470625!
80TX314	COTTA	417349!	811035	WOOL	473460	8130870	AMC	710928	81480	EATON	722250
80TX334	COTTA	470898	8110351	AMC	473228	8130982	AMC	341022	814816	WHITE	415991
80TX343	COTTA	470605!	8110371	AMC	472164!	8130A	C-R	471567!	814F	OSHKO	471820
80TX410	COTTA	416125!	8110486	AMC	471466!	8131286	COC	470354	815000	TIMKE	815000
80TX411	COTTA	240735	8111601	AMC	471267!	8131669	AMC	711552	815003	TIMKE	815003
80TX483	COTTA	416921!	81122	GRAM	471820	8131674	AMC	471466	81516H	IH	472560N!
80TX547	COTTA	415449!	8112404	AMC	471267!	8131684	AMC	3173	815177	CUSH	470625!
80TX571	COTTA	472016	8113A	C-R	473441	8131684	AMC	710928	815177	O-M	470625!
80TX572	COTTA	471138!	811500	TIMKE	811500	8132218	AMC	3698	815187	CUSH	471571
80TX660	COTTA	415483	8117	SPG	8610	8132221	AMC	9845	815187	O-M	471571
80TX683	COTTA	471138!	812	UNIVE	415128	8132422	COC	473243	815219C91	IH	200752
80VX1306	COTTA	J1121	812000	TIMKE	812000	8132504	AMC	3173	815405637	AUDI	58X72X8
80VX1322	COTTA	J1103	812003	TIMKE	812003	8132504	AMC	710928	81540R91	IH	240698
80X10010XX	TIMKE	80X100X10	8120358	AMC	471766!	8132672	AMC	472439	815497	WHITE	416070
80X100X10	NATL	228010	812041	AM HO	471247!	8132779	AMC	7412S	815500	TIMKE	815500
80X100X10SC	TRSCM	80X100X10!	812057	AM HO	455480!	813281	O-M	474256	815503	TIMKE	815503
80X100X10TC	TRSCM	80X100X10!	812059	AM HO	415960	813282	CUSH	471643!	815816	CUSH	471766!
80X10510XX	TIMKE	80X105X10	8120839	AMC	471539	8132822	AMC	483793	815947	WHITE	416070
80X10513XX	TIMKE	80X105X13	8120977	AMC	8935S	8132957	AMC	473442!	8160	C-R	471645*
80X105X10ASN	ISP	80X105X10	8120978	AMC	7300S	8133432	AMC	472572	816000	TIMKE	816000
80X105X13SC	TRSCM	80X105X13!	8120982	AMC	341022	8133528	AMC	3638	816003	TIMKE	816003
80X105X13TC	TRSCM	80X105X13!	8121	SPG	8121S	8133529	AMC	313156	81607XX	TIMKE	8X16X7
80X105X14	NATL	80X105X13!	812103	MICH	417022*	8133643	AMC	341022	8160S	NATL	471827!
80X11010XX	TIMKE	80X110X10	8121037	UNIVE	417022*	8133S	TIMKE	8133S	8160S	TIMKE	471827
80X11012XX	TIMKE	80X110X12	8121246	GMC	473458!	8134012	AMC	2506	816105	MICH	471604*
80X110X10	NATL	80X110X12	8121397	AMC	722108	8134206	AMC	421	8161050	UNIVE	471604
80X110X10SC	TRSCM	80X110X10	8121399	WILYS	472397!	8134216	AMC	472319	8165	TIMKE	473239
80X110X10TC	TRSCM	80X110X10	8121781	AMC	710068	8134446	AMC	710046	816500	TIMKE	816500
80X110X12SC	TRSCM	80X110X12	8121M	BRAD	470380!	8134478	AMC	3173	816503	TIMKE	816503
80X110X12TC	TRSCM	80X110X12	8121S	TIMKE	8121S	8134478	AMC	710928	81673	EATON	712625
80X116	COTTA	471192	8122404	AMC	472258	8134568	AMC	PSK-1	81674	EATON	712375
80X12010XX	TIMKE	80X120X10	8122671	AMC	7300S	8134587	AMC	474127	8167A	C-R	472164!
80X12013XX	TIMKE	80X120X13	8122671	CHRYSL	2465	8134680	AMC	710058	8169240AA019	GE	471472!
80X120X10ASN	ISP	80X120X10	8122739	AMC	2506	8135	DAVEY	472185!	8169240AAP3	GE	330385!
80X120X13	SIMRT	80X120X13	8122838	AMC	331228H	813500	TIMKE	813500	8169240AD10	GE	471267!
80X120X13SC	TRSCM	80X120X13	8122839	AMC	331227H	813503	TIMKE	813503	8169240AD7	GE	481537
80X120X13TC	TRSCM	80X120X13	8123077	AMC	473229	813620	C-R	471298	8169240AD9	GE	471267!
81.96501.0410	MAN	226001	812335	CUSH	473228!	813620	GR-DV	471298	8169240ADP1	GE	470954!
810	UNIVE	471567	812335	O-M	473228!	813620M1	C-R	471298	8169240ADP2	GE	340787
8100	C-R	474253!	81240	C-R	455123	813674	CUSH	7399S!	817	GREEN	240731
810000	TIMKE	810000	81245	C-R	455123*	813674	O-M	7399S!	817000	TIMKE	817000
810003	TIMKE	810003	81246	C-R	455123*	8137148	COC	323138!	817003	TIMKE	817003
810041	EL-PA	473225!	8124630	AMC	5131	8137328	COC	415697!	8173-18-216	VILA	710348
810090	EL-PA	412119!	8124832	AMC	5131	8137328	COC	455547	817500	TIMKE	817500
81040	SUPER	471141!	8124869	AMC	331227H	8137329	COC	6592S=	817503	TIMKE	817503
81040	TRACN	471141!	8124881	AMC	3638	8137391	AMC	471652	817518	WHITE	240414
810422	AM HO	416865!	8124893	AMC	9613S	8137391	AMC	482208!	8178	C-R	471645!
810427	AM HO	417247!	81250	C-R	455123	8138013	AMC	2443	817960	WHITE	471442!
810441	AM HO	J1134	812500	TIMKE	812500	8139	ALLCH	415995!	8180	C-R	471645
810442	AM HO	J1136	81251	C-R	455123	8139	TIMKE	8139	818000	TIMKE	818000
810500	TIMKE	810500	812517	SHOV	455297	8139	TRAC	415995!	818003	TIMKE	818003
810510	SUPER	413247!	8125718	AMC	3638	813W620	C-R	417298	81805XX	TIMKE	8X18X5
810510	TRACN	413247!	8126S	TIMKE	8126S	814	UNIVE	455129*	81807XX	TIMKE	8X18X7
810513	SUPER	472016	8127231	GMC	471554!	8140	C-R	470515	8181N	SPG	472070
810518	SUPER	455290	8127350	AMC	722109	814000	TIMKE	814000	8181NA	TIMKE	472070
81060	GRAM	473226	8127387	AMC	9613S	814003	TIMKE	814003	818500	TIMKE	818500
810678	WILYS	340210	8127391	AMC	3638	81404XX	TIMKE	8X14X4	818503	TIMKE	818503
810691	WILYS	471652	8127472	AMC	313156	814477	CUSH	472475	818604	WHITE	47181!
8107125	GMC	417316!	8128013	AMC	2443	814477	O-M	472475	81886	EATON	415483
8108	C-R	474253!	8128016	AMC	222820	814488	CUSH	473227!	8189	C-R	471645
8108A	C-R	200600	8128016	AMC	28X40X7!	8145	C-R	471686	8190	C-R	471645
8109	C-R	474253!	8128797	AMC	471539	8145	CHAMP	416137	819000	TIMKE	819000
810915	WILYS	350909	8129096	AMC	2300	814500	TIMKE	814500	819003	TIMKE	819003
810915	WILYS	471224!	8129A	C-R	415034!	814503	TIMKE	814503	8190535	GMC	416271!
810943	WILYS	471765!	812W34-L	C-R	5410	814634	SPICE	330385!	8190536	GMC	55431=
811000	TIMKE	811000	813000	TIMKE	813000	814686	WHITE	472179	8190A	C-R	472924!
811003	TIMKE	811003	813003	TIMKE	813003	81473	C-R	JV1802=	8193A	C-R	415449!
811011C1	IH	204029	8130259	AMC	3476	81474	C-R	JV1120=	819412	WHITE	240731
811011C1	IH	204507!	8130762	AMC	471737	81475R91	IH	471827	819500	TIMKE	819500
81101429	BUC-E	416107!	8130808	AMC	472572	81476R91	IH	471827	819503	TIMKE	819503

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819619	WHITE	415036	8206	FULLE	417316!	825624	C-R	417596	828631	WHITE	415041
819685	WHITE	6649	8207	FULLE	450084!	825624	MINMA	417596	828688	WHITE	471137
819704	WHITE	417316!	8210512A	HARWA	82X105X12	82567	C-R	416951	828733	BUC-E	473459
819723	WHITE	416888!	821188	ADAMS	472185!	8257	C-R	417597	828742	BUC-E	50254=
819819	WHITE	417344!	821276	ALLCH	470059N	82570	C-R	416422	828954	GW	240319
81982	CATER	412119	8213	C-R	471337	82588300	BUC-E	240736	828W34-L	C-R	6649
819891	WHITE	417344!	821366	ALLCH	471785!	82588303	BUC-E	473211!	829211	WHITE	471192
819990	TIMKE	819990	8214	C-R	471686*	82588490	BUC-E	470590	8293A	C-R	417316!
81D6	WHITE	417191	821414C1	IH	411253!	825909	WHITE	472560N!	8293S	TIMKE	8293S
81D6	WHITE	456585	8215	C-R	471686	82592078	BUC-E	55228=	8294A	C-R	415995!
81DT7A248A3A	FORD	2658	821568	ALLCH	471785!	82592080	BUC-E	55228=	829522	WHITE	330385!
81SM6700A4A	FORD	3771	821610	WABCO	471692!	825933	WHITE	471466!	829638C1	IH	476838!
81SM6701A4A	FORD	3772	821614	LETN	471652	825HMS7	C-R	417597	829653	GW	416107!
81SM6K292A4A	FORD	3774	8218526	RCA	471466!	825W34-L	C-R	5452	829672	GW	455073
81T3591	FORD	474278!	8219	HYST	416271!	8260	C-R	473412	829672	GW	417604
81T3591A	FORD	474278!	8219B	HYST	416271!	826010	WHITE	417316=	829706	WHITE	473227
82-2003	MCCOR	16213	82201	L&N	240462	826047	WHITE	415035	82X10513XX	TIMKE	82X105X13
82-2005	MCCOR	16203	822072	EATON	370048A	826047	WHITE	415035!	82X105X12	SIMRT	82X105X12
82-2006	MCCOR	16205	82207XX	TIMKE	8X22X7	826061	WHITE	6270	82X105X13SC	TRSCM	82X105X13
82-2008	MCCOR	16200	8220A	C-R	473228	82607	C-R	210X250X15	82X105X13TC	TRSCM	82X105X13
82-2010	MCCOR	16211	8221321	GMC	413247!	82610	C-R	210X240X15	83000	FWD	471619!
82-2011	MCCOR	16206	8221418	GMC	417210!	826361	WHITE	472258	83002	FWD	416664!
82-2014	MCCOR	16209	822309	WOOL	415991	826368	ROCKW	472636!	83003	FWD	481864
82-2017	MCCOR	16212	822309	WOOL	455146!	826388	WHITE	472636!	83004	FWD	473214!
82-588150	BUC-E	471554!	82246R1	IH	5M293	82668	LK-BT	JV1669=	83008	FWD	450446
82-588250	BUC-E	240731	8225	C-R	471686	826W34-L	C-R	5406	8300992	UNIT	450084!
82-588252	BUC-E	240731	8226	C-R	471686	826W38-L	C-R	5408	83012	FWD	473229
82-588330	BUC-E	470625!	82307	AMC	5M445	8272A	C-R	411253!	83013	FWD	418028
82-588400	BUC-E	416444	8231	HYST	473232	827564	WHITE	6638S	83015	FWD	417343!
82-588410	BUC-E	412861	8233A	C-R	473238	827696	GW	472016	830152	SPICE	473459
82-588550	BUC-E	417495	823521	GW	417488!	827849	BUC-E	417487	83015220	UNIT	412119!
82-588675	BUC-E	417512	8236	FULLE	472299	827952	GW	471466!	83016	FWD	415088!
82-588685	BUC-E	417512	82363	GRAM	5778	827953	GW	471224!	83016	FWD	415088
82-588695	BUC-E	472157!	82365	GRAM	40769S	827954	GW	471765!	83017	FWD	415437
82-588695	BUC-E	472157	8238	HYST	415995!	827955	GW	471766!	830179	GW	474278!
82-588705	BUC-E	416888!	823D6	DIA	6864S	827956	GW	473214	83018	FWD	418028
82-588715	BUC-E	415371	823D6	WHITE	6864S	827957	GW	473016!	83018	FWD	455137!
82-588810	BUC-E	415645!	8240087	RENAU	1062=	827958	GW	473229	83018	FWD	412119!
82-588810	BUC-E	455104	82407XX	TIMKE	8X24X7	827959	GW	473010	830181	GW	411245!
82-588960	BUC-E	417362!	824097C91	IH	472397!	827960	GW	473232	830187	GW	411245!
82-589215	BUC-E	417298	824107	MICH	415128*	827961	GW	472185!	83022	FWD	415085!
82-589750	BUC-E	417598	8241075	UNIVE	415128*	827962	GW	472179	83022	FWD	456648
82-589760	BUC-E	455121	8243	TIMKE	8243	827963	GW	470088	83025	FWD	471835!
82-590878	BUC-E	417600	8244	SPG	7131	827964	GW	472439	83027	FWD	413469!
82-591110	BUC-E	417602!	824634	SPICE	100495	827965	GW	414045!	83029	FWD	473448
82-591665	BUC-E	417604	824634	SPICE	417349	827966	GW	473238	83030	FWD	415458!
82-591815	BUC-E	455129	824636	SPICE	415995!	827967	GW	472924!	83031	FWD	415458!
82-591847	BUC-E	415090	824636	SPICE	415995!	827968	GW	472015!	83032	FWD	471652
82-591875	BUC-E	455462	82465612	TROS	455584	827969	GW	472016	83036	FWD	415389
82-591953	BUC-E	417606	824878C91	IH	416706!	827970	GW	472636!	83037	FWD	417316!
82-591956	BUC-E	55222=	8249	BU-SP	470530!	827971	GW	413247!	83039	FWD	455556
82-591959	BUC-E	55239=	8250	BU-SP	473228	827972	GW	415449!	83041	FWD	471646!
82-591960	BUC-E	55223=	8250	C-R	473412	827973	GW	417316!	83042	FWD	473231!
82-592105	BUC-E	415482	825083	WHITE	5405	827974	GW	55238	83043	FWD	415077
82-8714	BUC-E	471821!	8251	BU-SP	417316!	827975	GW	416654!	83045	FWD	455080
82-87259	BUC-E	470086	82510	C-R	455475	827976	GW	415995!	83047	FWD	473444
82-8751	BUC-E	415072	82512	C-R	455475	827977	GW	415995!	83048	FWD	411376!
820003	TIMKE	820003	82515	C-R	455475	827978	GW	417621!	83049	FWD	410496!
8200294	EATON	471272!	8252	BU-SP	470682	827979	GW	417539!	8305	C-R	21X35X7
82009	MC-CL	470954!	82526	C-R	458009V	8280	C-R	471729	8305	C-R	21X35X8
820106	MICH	417567	8253	BU-SP	417344!	8280	FULLE	472439	83050	FWD	415483!
8201062	UNIVE	417567	82530	C-R	415124	828054	GW	240319	83051	FWD	415187
820133	ADAMS	471267!	8254	BU-SP	415449!	828055	GW	471413	83052	FWD	471270!
820133	LETN	450398	825426	WHITE	415437	8281087	UNIVE	455129*	83053	FWD	471647
820133	LETN	471267!	825426	WHITE	415437!	828160	GW	471138!	83056	FWD	471820
820213C1	IH	473317	82545	EATON	415458!	828161	GW	40566S	83059	FWD	471750!
820225C1	IH	471516!	82545	IH	415458	828171	GW	415449!	83061	FWD	473462
8204	SUPER	415001!	82545H	IH	415458	828599	GW	472164!	83065	FWD	415559
820442	EATON	3098=	82546H	IH	410737!	828604	WHITE	417181!	83068	FWD	416167!
820446	EATON	8635S	82548	GRAM	471750!	828605	WHITE	415995!	83071	FWD	414268!
820494	ADAMS	472299	82560	C-R	415124*	828628	WHITE	415458!	83072	CLARK	417537
8205	C-R	471686*	82562	C-R	415124	828630	WHITE	411500	83072	FWD	417537

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83073 FWD		417542	83158 FWD		415449!	832830M1 MASSE		204013	834216M1 MASSE		470565!
83074 FWD		417082	8316 TIMKE		8316	832834M1 MASSE		471267!	834262 WHITE		418028!
83076 FWD		417269!	83160 FWD		6402S=	832840M1 MASSE		254270	834301M1 MASSE		415263
83078 FWD		417211!	831604M1 MASSE		473117	832841M1 MASSE		416380!	834316M1 MASSE		450492
83079 FWD		417316!	83161 CATER		416130!	832841M2 MASSE		416380!	834318M1 MASSE		473227!
83080 FWD		416556!	83161 FWD		470764!	832880M1 MASSE		471763	834364M1 MASSE		470954!
83080 FWD		472157	83161 FWD		50764	832891M1 MASSE		7141=	83444R91 IH		450084!
83083 FWD		345035	83163R91 IH		473231	832898 MASSE		7141=	834496M1 MASSE		9249=
83084 FWD		417501	83165 FWD		415899N	8329 HYST		470530!	834523M1 MASSE		416278
83086 FWD		417316!	83165 FWD		416624	832931M1 MASSE		8020S	834556M1 MASSE		417349
83089 FWD		415058	831660M1 MASSE		471649!	832954M1 MASSE		7790H	83458R91 IH		417316!
830918 GWI		472572!	831689M1 MASSE		481345H=	832954M2 MASSE		7790H	834711M1 MASSE		410102
830948 WHITE		418028!	831701M1 MASSE		240151	832954M3 MASSE		7790H	834793M1 MASSE		415254
83096 FWD		240319	83174 FWD		415458!	83298M1 MASSE		7141=	834800M1 MASSE		471341!
83097 FWD		417366!	83175 FWD		415483	83300041 AMC		471652	834825M1 MASSE		416795N=
830980 WHITE		415991	83176 FWD		417344!	83300041 AMC		482208!	834831M1 MASSE		412119!
830980 WHITE		455146!	83177 FWD		417181!	833023M1 MASSE		200888=	83483403 WARNE		370023A
830997 WHITE		55353	831776M1 MASSE		470530!	833067M MASSE		473228	834844M1 MASSE		471271!
830998 WHITE		472144!	83178 FWD		417316!	833105M1 MASSE		473228	8348591 GMC		472157!
830W34-L C-R		5313	83180 FWD		416278	833136M1 MASSE		415458!	8348591 GMC		472157
8310 C-R		21X36X8	83183 FWD		473227	833190M1 MASSE		472164!	834952M1 MASSE		416865!
83100 FWD		414268!	831833M1 MASSE		472560N	833191M1 MASSE		471652	8350 C-R		21X38X8
831006 GWI		416107!	83184 FWD		415302	833191M1 MASSE		482208!	83500723 AMC		5210
831006 GWI		455073	831899M1 MASSE		416921!	833230M1 MASSE		471554!	83500785 AMC		5210
831007 GWI		412473!	831900M1 MASSE		473464!	833236 MASSE		417357=	83501389 AMC		4370N
831008 WHITE		415960!	831900M1 MASSE		473464	833236M1 MASSE		417357=	83501814 CHRYS		221925
83101 FWD		415060	831901M1 MASSE		415437	833237M1 MASSE		416921!	83501872 AMC		474278
83101 FWD		455060	831902M1 MASSE		472409!	833239M1 MASSE		410737!	83502508 AMC		472572
83102 FWD		415351!	83191 FWD		415137!	833243 MASSE		416288!	83502798 AMC		472572
831048M1 MASSE		482253	83191 FWD		418028	833243M1 MASSE		416288!	83503010 CHRYS		473212!
831049M1 MASSE		480491	831916M1 MASSE		471424!	833245M1 MASSE		415146!	83503063 AMC		9912
831056M1 MASSE		473232	83192 FWD		417602!	833245M1 MASSE		415991	83503063 CHRYS		9912
831135 WHITE		415725!	831926M1 MASSE		473010!	8332959 GMC		471554!	83503108 CHRYS		1209
831135M1 MASSE		240733	83193 FWD		415035!	833302M1 MASSE		417433!	83503147 AMC		710046
83114 FWD		417316!	83194 FWD		6663S	833303M1 MASSE		471195!	83503390 AMC		5778
831145M1 MASSE		471276	831942M1 MASSE		415458!	833342M1 MASSE		8521S	83503504 AMC		710202
83115 FWD		415991	83195 FWD		415146!	833355M1 MASSE		200763	83504946 CHRYS		714675
83115 FWD		415991!	83195 FWD		415991	833358M1 MASSE		481371H=	83505053 CHRYS		224462
83115 WHITE		415725!	831959M1 MASSE		472258!	833380M1 MASSE		471643!	83505290 AMC		472572
83117 FWD		450400	83196 FWD		416664!	833381M1 MASSE		471255!	83506295 AMC		7412S
831222M1 MASSE		417343!	83199 FWD		J1119	8333962 GMC		473367!	835062M1 MASSE		412943
831225M1 MASSE		240736	831W34 C-R		6897=	8333962 GMC		473367	8351582 GMC		476098N=
831236M1 MASSE		473237!	83200 FWD		472636!	833415M1 MASSE		6590S	835171M1 MASSE		471391!
83124 FWD		472150	832000M1 MASSE		471344	833482M1 MASSE		41461S	835274 WHITE		417546!
831245-MI MASSE		340835	83202 FWD		J1117	8335 SUPER		411253!	83533063 CHRYS		9912
831247M1 MASSE		471344	83203 FWD		471271!	833675M1 MASSE		416664!	8355A C-R		473473
83127 FWD		415995!	83206 FWD		415437	833686M1 MASSE		416125!	835614 WHITE		416345!
831281M1 MASSE		470530!	83208 FWD		370086A	833687M1 MASSE		473473	835614 WHITE		455033
831282M1 MASSE		470530!	83208 FWD		9907=	833691M1 MASSE		456967N=	835615 WHITE		415066
831289M1 MASSE		481181!	832117M1 MASSE		473228	833718M1 MASSE		473454	8356365 GMC		415991
8312S TIMKE		8312	832125M1 MASSE		474272	833776M1 MASSE		416271!	8356365 GMC		415991!
8313 HYST		473449	83213 FWD		416339	833776M2 MASSE		416271!	835964 WHITE		411253!
83130 FWD		471341!	83214 FWD		472492!	833777M1 MASSE		470954!	835965 WHITE		415023
83131 FWD		417484!	83215 FWD		472070	833796M1 MASSE		9249=	835967 WHITE		415458!
83132 FWD		413246	832245M1 MASSE		470806	833800M1 MASSE		472164!	835968 WHITE		416921!
83136 FWD		415001!	832246M1 MASSE		473197	833801M1 MASSE		410524	835969 WHITE		415379
83137 FWD		455297	832247M1 MASSE		471344	833849M1 MASSE		472164!	835969 WHITE		415379!
83139 FWD		417158!	832332M1 MASSE		471271!	833906 GWI		473238	8362 TIMKE		8362
83140 FWD		416706	832335M1 MASSE		471224	833909M1 MASSE		252277	836615 WHITE		415066
83141R91 IH		472439	832358M1 MASSE		481371H=	833910M1 MASSE		471643!	836647 GWI		417262!
83142 FWD		455471	832398M1 MASSE		240319	833911M1 MASSE		471730	8367711 GMC		5381=
831462M1 MASSE		415483!	832416M1 MASSE		416273!	833912M1 MASSE		471267!	8367712 GMC		5382=
831468M1 MASSE		471504!	83249 HYST		40520S	833918 WHITE		418028!	8367713 GMC		J1123
83147 FWD		455509	832521 GWI		417488!	8339811 GWI		455079!	8367714 GMC		415025
831483M1 MASSE		417158!	832586M1 MASSE		473231	834045M1 MASSE		471391!	8367715 GMC		416294!
8314S TIMKE		8314	832587M1 MASSE		417433	834052M1 MASSE		473228	837003 WHITE		370003A
8315 NATL		6815	832612M1 MASSE		416271!	834055M2 MASSE		471684!	837012 WHITE		417316!
83150 FWD		415960!	832623 GWI		417509	834064M1 MASSE		415302	837017 WHITE		415001!
831522 WHITE		472560N!	83270014 TROS		416239!	834069M1 MASSE		471870!	8370S TIMKE		8370S
831534 WHITE		474278!	832731M1 MASSE		204035	834092M1 MASSE		417484!	837200 WHITE		415991
831551 WHITE		323138!	832791 WHITE		415449!	834119M1 MASSE		200167=	837200 WHITE		415991!
831556M1 MASSE		470354	8328 FULLE		473244	834215M1 MASSE		471835!	837236 WHITE		415072

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
83739	C-R	417022	84029	FITZ	473450!	84136	FITZ	471570!	84213	MCCOR	472185!
83740	C-R	417022	84030	MCCOR	470334!	841369	WHITE	416229	84214	FITZ	473228
837445	WHITE	471887	84031	FITZ	416738!	84137	FITZ	470334!	84214	MCCOR	470682
837470	WHITE	6612S	84031	FITZ	450096	84139	FITZ	474265	842147M1	MASSE	417488 =
837470A	WHITE	6612S	84032	FITZ	476838!	84140	MCCOR	5727	842148M2	MASSE	415995!
83750	C-R	417022*	84032	MCCOR	450084!	84142	FITZ	450666	842149M2	MASSE	416706
837512	VIC	416888	84033	MCCOR	471141!	84145	MCCOR	411253!	84215	FITZ	472016
837512	WHITE	416888	84034	MCCOR	5957S	84146	FITZ	5711	84218	MCCOR	473471
837517	WHITE	5410	840344900	EATON	415371	84147	FITZ	412943	842189	GW	473445
837517A	WHITE	5410	84035	FITZ	455008	84148	MCCOR	473464!	84219	MCCOR	200354
837548	WHITE	472164!	84035	MCCOR	5246	84148	MCCOR	473464	842193	GW	455406!
837556	WHITE	472082	84036	FITZ	473367!	84149	MCCOR	5778	8421S	TIMKE	8421S
83758R91	IH	474278!	84036	FITZ	473367	84151	FITZ	473213!	84220	FITZ	450129
837596	WHITE	415371	84037	MCCOR	6090S	84153	MCCOR	473450!	84220	FITZ	472826!
8376364	CHRY	417196!	8403S	NATL	473228	84154	MCCOR	471316	84220	MCCOR	473238
837705	WHITE	416130!	84044	FITZ	450084!	84156	MCCOR	5759 =	84222	MCCOR	5877
837739	WHITE	410694!	840500	WHITE	8635S	84157	MCCOR	5756	84223	FITZ	415007
837952	GW	471466!	84052	MCCOR	471862	84159	FITZ	472924!	842235M1	MASSE	473459 =
8380	C-R	21X40X8	84055	FITZ	5246	84159	MCCOR	410190	84224	MCCOR	472924!
8380	C-R	3388	84060	FITZ	471354!	84162	MCCOR	40973S	84226	MCCOR	416738!
8381138	GMC	415437	84062	FITZ	473446	84164	FITZ	450111	84226	MCCOR	450096
8381139	GMC	J1124	840630900	EATON	416294!	84164	MCCOR	470898	84227	MCCOR	472409!
8381A	C-R	472572!	84064	MCCOR	470354	84165	MCCOR	6064	84230	FITZ	415458!
83823	EATON	370038A	84067	MCCOR	410308!	84166	FITZ	472394	842309M1	MASSE	415960
8382454	GMC	455480!	840689800	EATON	416865	84166	MCCOR	473441	84232	MCCOR	473473
838355	WHITE	370065A	840691	GW	415991	84167	FITZ	450593!	842322M1	MASSE	473231!
838355	WHITE	376590A	840691	GW	455146!	84172	FITZ	473444	84233	MCCOR	470898
838628	C-R	455584	840692	GW	480491	84172	MCCOR	5836	84234	MCCOR	50501
838628M1	C-R	455584	84070	MCCOR	414045!	841722	WHITE	415551	84236	FITZ	415449!
8386386	CONTI	471692!	84072	MCCOR	5M403	84174	FITZ	5727	84237	FITZ	5751
838860	GW	472409!	84073	MCCOR	5M81	84176	FITZ	473444	84238	MCCOR	472179
838861	GW	470898	84074	FITZ	473448	84176	MCCOR	473179!	84241	FITZ	415254
839064	WHITE	471466!	84074	MCCOR	472439	84177	MCCOR	450274	84243	MCCOR	5924
839103	GW	472157!	84075	MCCOR	470530!	84179	MCCOR	40369S	84244	FITZ	417073
839103	GW	472157	8407505	EATON	370064A	84180	MCCOR	40370S	84246	FITZ	473215!
839129	GMC	5419	840750500	EATON	370064A	84181	MCCOR	40286	84246	MCCOR	410737!
839495	WHITE	6872S	840754800	EATON	370077A =	84185	FITZ	473441	84247	FITZ	473467!
839496	WHITE	JV701	840776000	EATON	370094A	84186	MCCOR	5M289	84247	MCCOR	415449!
8395460	CONTI	471192	84078	FITZ	450065	84188	MCCOR	411500	84247S	FITZ	472015!
839594	WHITE	6872S	840787	GW	418028	84189	FITZ	450089	84248	FITZ	473450
839784	WHITE	471570!	840787	GW	455137!	84191	FITZ	472234	84249	FITZ	473245!
839809	GW	415234!	84080	MCCOR	50081	84191	MCCOR	473460	84249	MCCOR	450307
839810	GW	415379	84085	MCCOR	474281!	84192	FITZ	6356	84250	FITZ	473419
839810	GW	415379!	840865	GW	472924!	84195	MCCOR	5MR71	84250	MCCOR	410987!
839811	GW	455079!	84097	MCCOR	470086	84196	MCCOR	50075 =	84251	FITZ	474253!
839984	WHITE	370001A	84098	MCCOR	450111	84197	FITZ	472287!	84253	FITZ	473458!
83BG3K169B5A	FORD	224252	840RC	SUL	415937!	84198	MCCOR	412119!	84254	MCCOR	472636!
83BG3K169B5A	FORD	42X62X8!	84102	FITZ	471750!	84199	FITZ	474264	84254S	MCCOR	472636!
83BG4676A1C	FORD	712011	84103	FITZ	411253!	84199	MCCOR	472179	84256	FITZ	471224!
83BM6700A4A	FORD	3394	84104	FITZ	474281!	84200	FITZ	470530!	84257	MCCOR	472016
83BM6701A4A	FORD	473573	84105	FITZ	470059	84200	MCCOR	473447	842579M1	MASSE	472164!
83HM-6701-A6A	FORD	415449	84105	FITZ	470380!	842017	MASSE	417344!	84257S	MCCOR	472016
83HM6700A1A	FORD	2012V	841058100	EATON	470565!	842017M1	MASSE	417344!	84258	FITZ	473460
83SM6701A6A	FORD	3772	841058300	EATON	470565!	84204	FITZ	450143	84258	MCCOR	472394
840009	SPICE	471795	84112	MCCOR	413469!	842048	WHITE	417507	84259	MCCOR	472394
84001	MCCOR	481864	841125	WHITE	415138!	842048	WHITE	417507!	84260	MCCOR	6064
84002	MCCOR	6356	84114	FITZ	473464	84205	FITZ	473367!	84261	FITZ	410190
840021100	EATON	470898!	84114	FITZ	473464!	84205	FITZ	473367	842610M1	MASSE	472636!
840021200	EATON	410308!	84115	MCCOR	5M293	84205	MCCOR	480491	84262	FITZ	471413
840021200	EATON	473468	84118	MCCOR	474265	84207	MCCOR	6064	84262	MCCOR	450467
840030	SPICE	473517!	84119	MCCOR	5M89	84208	MCCOR	5865	84263	FITZ	471820
840030	VIC	473517!	84124	FITZ	6356	84209	MCCOR	416738!	84263	MCCOR	411253!
8400544	EATON	410308	84124	MCCOR	473444	84209	MCCOR	450096	84264	FITZ	40769S
8400544-00	EATON	410308	84125	MCCOR	473467	84209S	MCCOR	416738!	842642	WHITE	240733
84006	MCCOR	5070	84126	FITZ	473367!	84209S	MCCOR	450096	84265	MCCOR	50560
840062	TW-CO	471549!	84126	FITZ	473367	84210	MCCOR	412920!	84266	MCCOR	473457!
84011	MCCOR	473459	84127	FITZ	481864	84211	FITZ	473467!	84267	MCCOR	450307
84012	MCCOR	5711	84128	MCCOR	473458!	84212	FITZ	473459	84269	MCCOR	411330!
84016	MCCOR	473473	84129	MCCOR	472234	84212	MCCOR	470898	842692	WHITE	471787!
84018	FITZ	5070	84130	MCCOR	473245!	842125M1	MASSE	417349	8426A	C-R	472185!
84021	MCCOR	473446	84131	MCCOR	473450	84212S	FITZ	473459	84270	MCCOR	470530!
84023	MCCOR	450073	84134	FITZ	414045!	84213	FITZ	5778	84273	MCCOR	415483!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
842739M1	MASSE	340853	84330	FITZ	472560N!	843908	WHITE	240735	84456	MCCOR	472439
84274	MCCOR	40566S	84330	MCCOR	50191	84391	MCCOR	450446	84457	FITZ	415001!
84277	MCCOR	410308!	843301	WHITE	471413!	84392	MCCOR	450463	84458	MCCOR	472015!
84277S	MCCOR	410308!	84331	MCCOR	473235!	84394	FITZ	473238	84459	MCCOR	473241
84278	MCCOR	471141!	843326M1	MASSE	471192	84395	FITZ	5877	84461	MCCOR	6547
84279	FITZ	473367!	84333	MCCOR	450273	84395	MCCOR	473462	84463	FITZ	471787
84279	FITZ	473367	84335	FITZ	412119!	84396	FITZ	410190	84463	MCCOR	40094S
84279	MCCOR	450415	84335	MCCOR	472144!	84396	MCCOR	473235	84464	MCCOR	40097S
8427A	C-R	472287!	84336	FITZ	415034!	84397	FITZ	200354	84465	MCCOR	472015!
84281	FITZ	450073	84336	MCCOR	472397!	84398	FITZ	472258	84468	FITZ	471689!
84281	MCCOR	493291	84337	FITZ	471141!	84399	MCCOR	6336S	84468	MCCOR	470898
84282	FITZ	415960!	84337	MCCOR	472015!	8440	C-R	473414	84469	FITZ	472354!
842824M1	MASSE	471224!	843377M1	MASSE	471831!	844001176	IH	416404!	84469	MCCOR	6532S=
84283	FITZ	415001!	84338	MCCOR	473475	844001177	IH	417351!	8446A	C-R	80313
84284	FITZ	5756	84339	MCCOR	450326	844001180	IH	472924!	84470	FITZ	450400
84284	MCCOR	472636!	84340	FITZ	473179!	844001181	IH	415871	84470	MCCOR	473238!
84285	FITZ	473473	84340	MCCOR	412871!	844001183	IH	417546!	84471	MCCOR	471391!
84286	FITZ	471316	843413M1	MASSE	472029	84402	FITZ	6936S	84472	MCCOR	471870!
84286	MCCOR	415449!	84342	MCCOR	451948	84402S	FITZ	6936S	84473	FITZ	416654
84286S	MCCOR	415449!	84343	FITZ	472179	84403	FITZ	415041	84473	MCCOR	472492!
84289	FITZ	471820	84344	FITZ	455336	84404	FITZ	340724!	84474	FITZ	472016
842900M1	MASSE	8126S	84344	MCCOR	471424!	84404	MCCOR	473179	84474	MCCOR	472287!
84292	FITZ	471571	84345	FITZ	455249!	84406	MCCOR	410987=	84475	FITZ	415001!
84295	FITZ	240023	84346	MCCOR	471341!	84408	FITZ	471827	84475	MCCOR	472409
84297	FITZ	5778	84347	MCCOR	472319	84408	MCCOR	450068	84475S	MCCOR	472409
84297	MCCOR	203034	84348	MCCOR	450456!	84408S	FITZ	471827	84476	FITZ	450467
84298	MCCOR	471316	843485M1	MASSE	352541	84409	FITZ	470898	84476	MCCOR	471763
84299	FITZ	473214!	8434A	C-R	472258	84409	MCCOR	472070	84477	FITZ	472636!
84299	MCCOR	6098=	8435	C-R	473414*	8441	C-R	473414	84477	MCCOR	471689!
8429S	TIMKE	8429S	843506M1	MASSE	355737=	84410	MCCOR	450285	84478	FITZ	415449!
842A7	WHITE	471316	84351	MCCOR	450474	84411	FITZ	470625!	84478	MCCOR	471271!
84300	MCCOR	7107A=	84353	MCCOR	410496!	84412	MCCOR	450311	84479	FITZ	415960
84301	MCCOR	410708	84355	MCCOR	450516	84414	MCCOR	472492!	84481	MCCOR	473459
84302	MCCOR	472185!	84356	FITZ	5836	84415	FITZ	415072	84481H	MCCOR	473459
84303	FITZ	473440!	84356	MCCOR	471272!	84415	MCCOR	473197	84483	FITZ	470530!
84303	MCCOR	470530!	84356S	WHITE	471442!	844159	HESST	471391!	84483	MCCOR	415449!
84304	FITZ	472439	84357	MCCOR	471887	84416	MCCOR	50528	84484	FITZ	472394
84305	MCCOR	472179	84358	MCCOR	450533	84417	MCCOR	50631	84484	MCCOR	411376!
84306	MCCOR	473235!	84359	MCCOR	411376!	84419	FITZ	470950!	84485	FITZ	474276!
84308	FITZ	413469!	8436	C-R	473414	84419	FITZ	6241S	84485	MCCOR	470565!
84308	MCCOR	472636!	84360	MCCOR	415302	84420	MCCOR	450776!	84486	FITZ	473227!
8430S	TIMKE	8430S	84361	FITZ	6064	84421	MCCOR	416271!	84486	MCCOR	416271!
8431	C-R	473414*	84363	FITZ	473228!	84422	FITZ	471255!	84487	FITZ	411330!
84310	FITZ	5797	84364	FITZ	40370S	84422	MCCOR	416664!	84487	MCCOR	450803
84310	MCCOR	415449!	84365	FITZ	40369S	84423	FITZ	411253!	84488	FITZ	416654!
84311	MCCOR	473460	84366	MCCOR	5M356	8442SS	JN-MN	471649!	84488	MCCOR	450655=
843111M1	MASSE	470565=	843661M1	MASSE	472354!	84431	FITZ	5070	84489	FITZ	415483!
84313	MCCOR	472179	84367	FITZ	5070	84431	MCCOR	471271!	84490	MCCOR	450765!
84315	MCCOR	40085S	843671M1	MASSE	416664!	84432	FITZ	470606!	84491	FITZ	410308!
84317	FITZ	473450!	8436LUP	JN-MN	476281*	84434	MCCOR	471272!	84492	FITZ	450307
84317F	DIA	6597S	84372	FITZ	411500	84435	MCCOR	413246	84492	MCCOR	470712!
84318	FITZ	470354	84374	FITZ	6064	84437	FITZ	5924	84493	FITZ	471141!
84318	MCCOR	40526S	84375	FITZ	40286	84437	MCCOR	471316	84495	MCCOR	450313
843182	IVECO	713101	84376	FITZ	450274	84438	MCCOR	470806	84497	FITZ	353141!
84319	MCCOR	473232	843788M1	MASSE	471192	84438S	MCCOR	470806	84497	MCCOR	6180=
8431LPD	JN-MN	417298	843789M1	MASSE	473517!	84439	MCCOR	450808	844974	WHITE	417171!
8431LUP	JN-MN	417298	8437LPD	JN-MN	455022	8443LPD	JN-MN	472319	84498	MCCOR	411394!
84320	FITZ	450188	8437LUP	JN-MN	455022	8443LUP	JN-MN	472319	84499	FITZ	6064
84320	MCCOR	473313	84382	FITZ	472179	84441	FITZ	470898!	84499	MCCOR	473461!
84321	FITZ	474278!	84382	MCCOR	6283S	84443	FITZ	5921	8449SS	JN-MN	470950!
84321	MCCOR	470088	84384	FITZ	5871	84444	MCCOR	50501	8449SS	JN-MN	6241S
84322	FITZ	473447	84384	MCCOR	450776!	84445	FITZ	5957S	844F-6700-AA	FORD	712101
84323	MCCOR	412943	843844M1	MASSE	471271!	84446	MCCOR	450143	844F-6C270-AA	FORD	712102
84324	FITZ	455280	84385	MCCOR	412920!	844464	HESST	416071	844RC	SUL	473238!
84324	MCCOR	410694!	84388	FITZ	470898!	84447	FITZ	471192	84500	FITZ	415995!
84324S	MCCOR	410694!	84388	MCCOR	470605!	84448	MCCOR	200600	84500	MCCOR	200640
84325	MCCOR	410102	84389	FITZ	473462	84449	MCCOR	80313	84501	MCCOR	473239
84326	MCCOR	472572!	84389	MCCOR	413247!	84452	FITZ	471554!	84501S	FITZ	6241S
84327	MCCOR	473449	843893M1	MASSE	472015!	84452	MCCOR	473440!	84502	FITZ	40566S
84328	FITZ	473234	8438LPD	JN-MN	417500	84453	FITZ	471192	84503	FITZ	2081
84328	MCCOR	473463	84390	FITZ	410987!	84454	MCCOR	410737!	84503	MCCOR	450472!
84329	MCCOR	473236!	84390	MCCOR	473448	84456	FITZ	473435	8450413	GMC	470682

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
845045	WHITE	415302	84554	MCCOR	350942	8460N	TIMKE	8460N	84649	MCCOR	7381S
84506	MCCOR	473474	84555	MCCOR	470530!	8461	C-R	473414*	8464G	P-C	TCS45483
84507	MCCOR	210914	84556	FITZ	410059	84610	FITZ	340797	8464LPD	JN-MN	471570!*
84508	FITZ	471835!	84556	FITZ	470380!	84610	MCCOR	410496!	8464LUP	JN-MN	471570!
84508	MCCOR	472924	84556	MCCOR	415449!	84611	FITZ	340413	8465	C-R	473414
84509	FITZ	473235	84556S	FITZ	410059	84611	MCCOR	410496!	84650	MCCOR	473243
84509	MCCOR	210945	84556S	FITZ	470380!	84612	FITZ	350936	84651	MCCOR	331107N
84510	MCCOR	472924!	84557	MCCOR	415449!	84612	MCCOR	470334!	84651H	MCCOR	331107N
84511	FITZ	417316!	84558	MCCOR	473215!	84613	FITZ	416130!	84651K	FITZ	5406
84511	MCCOR	410987!	84562	MCCOR	451078!	84613	MCCOR	473179!	84651N	MCCOR	331107N
84512	FITZ	6465	84563	FITZ	6489	84614	FITZ	415043	84652	FITZ	6636S
84512	MCCOR	473234!	84563	MCCOR	41081S=	84614	MCCOR	44053	84653	MCCOR	415302
84513	FITZ	470354	84565	FITZ	240151	84615	FITZ	417267	84654	FITZ	415138!
84514	FITZ	6358	84565	MCCOR	7600S	84615	MCCOR	455434	84654	MCCOR	6180=
84515	MCCOR	40627S=	84567	FITZ	50199S!	84616	FITZ	455024	84655	FITZ	415060
84516	FITZ	473228	84567	FITZ	6863S!	84616	MCCOR	6954S	84655	FITZ	455060
845161	WHITE	417158!	84567	MCCOR	6818	84617	FITZ	455151	84656	FITZ	415351!
84517	MCCOR	5MR1008	84569	MCCOR	470898!	84617	MCCOR	44052	84656	MCCOR	45827S
84519	FITZ	40769S	8457	C-R	473414*	84618	FITZ	455037	84657	FITZ	450666
84519	MCCOR	470530!	8457	FULLE	418028!	84618	MCCOR	410737!	84658	FITZ	455251H
84523	FITZ	6966S	84572	MCCOR	410708	84618S	FITZ	455037	84658	MCCOR	473452
84523	MCCOR	473442!	84573	FITZ	471766!	84619	FITZ	370036A	84659	FITZ	50560
84524	FITZ	410825	84573	MCCOR	450269	84619	MCCOR	470487!	8465LPD	JN-MN	470590
84526	MCCOR	413479	84574	FITZ	456618	8461LPD	JN-MN	470088	8465LUP	JN-MN	470590
84527	FITZ	40576S	84574	MCCOR	415449!	8461LUP	JN-MN	470088	84660	FITZ	474272!
84527	MCCOR	412119!	84575	FITZ	415371	84620	FITZ	473232!	84663	FITZ	473473
845274	WHITE	471570!	84576	FITZ	416865!	84621	FITZ	470625!	84664S	FITZ	470898
845275	WHITE	417181!	84576	MCCOR	6922=	84621	MCCOR	473228	84665	FITZ	471267!
845276	WHITE	472179	84577	MCCOR	6808N	84622	FITZ	471750!	84665S	FITZ	471267!
84528	FITZ	473229	84578	FITZ	410737!	84622	MCCOR	3103!	84666	FITZ	480630!
84529	FITZ	6270	84578	MCCOR	473234!	84623	FITZ	471619!	84667	FITZ	416921!
8452A	C-R	471649!	8458	C-R	473414*	84623	MCCOR	7107A=	84668	FITZ	410987!
84530	FITZ	5401	84580	FITZ	471862	84624	FITZ	471553!	84668	MCCOR	7457N
84530	MCCOR	450911N!	84581	MCCOR	473467!	84624	MCCOR	5126	84669	MCCOR	442380
84530K	FITZ	5401	84582	MCCOR	416271!	84625	MCCOR	7216	84670	FITZ	417316!
84532	MCCOR	6636S	84583	FITZ	412473!	846256	WHITE	471870!	84670	MCCOR	471341!
84533	FITZ	493291	84583	MCCOR	472354!	846275	WHITE	100495	84671	FITZ	416288!
84533	MCCOR	410708	84584	FITZ	410737!	846275	WHITE	417349	84671	MCCOR	7107A=
84534	FITZ	450335	84584	MCCOR	6590S	84628	MCCOR	203006!	84672	MCCOR	413246
84534	MCCOR	473179	84585	FITZ	417344!	8462LPD	JN-MN	472016	846724	GW	470625!
84535	FITZ	455151	84586	FITZ	330385!	8462LUP	JN-MN	472016	84672S	FITZ	350942
84536	FITZ	42763	84587	MCCOR	412040	84630	MCCOR	7044NA	84673	FITZ	415058
84536	MCCOR	473016!	84589	FITZ	473474	84631	MCCOR	451143	84673	MCCOR	3095
84537	MCCOR	472150	84590	FITZ	471504!	84632	FITZ	471442!	84674	FITZ	417351!
84538	FITZ	450776!	84590S	FITZ	471504!	84632	MCCOR	7018N=	84674	MCCOR	5113
84538	MCCOR	450984	84591	FITZ	6547	84633	FITZ	471466!	84674	MCCOR	7721!
84539	FITZ	450776!	84592	MCCOR	450104	84633	MCCOR	472397!	84675	FITZ	417621!
84539	MCCOR	416271!	84593	MCCOR	450133	84634	FITZ	410694!	84675	MCCOR	5573
84540	FITZ	6489	84594	MCCOR	474274	84635	FITZ	473228	84676	MCCOR	473235
84541	FITZ	6465	84595	FITZ	474264	84635	MCCOR	473466	84676S	WHITE	JV701
84541	MCCOR	472164!	84595	MCCOR	471271!	84636	FITZ	472409!	84676S	FITZ	471344
84542	FITZ	417516	84596	FITZ	6638S	84636	MCCOR	471138!	84677	FITZ	471571
84543	FITZ	472439	84599	FITZ	470954!	84638	FITZ	473214	84677	MCCOR	9150S
84544	MCCOR	470764!	846	ROCKW	370037A	84639	MCCOR	50266	84678	FITZ	415991
84544	MCCOR	50764	846	ROCKW	370338A	8463LPD	JN-MN	471554!	84678	FITZ	455146!
84545	FITZ	417316!	84600	MCCOR	450412	8463LUP	JN-MN	471554!	84678	MCCOR	205044
84545	MCCOR	6785	84602	FITZ	471267!	84640	FITZ	472179	84679	FITZ	416271!
84546	FITZ	415697!	84602	MCCOR	5589S	84641	FITZ	472185!	84680	FITZ	411376!
84546	FITZ	455547	84603	FITZ	472572!	84641	MCCOR	473464	84680	MCCOR	205015
84546	MCCOR	416271!	84604	MCCOR	6960	84642	FITZ	483054N	84681	FITZ	416892
84547	FITZ	3210	84605	FITZ	472560N	84643	FITZ	473232	84681	MCCOR	450639
84547	MCCOR	410308	84605	MCCOR	40316S	84643	MCCOR	415449!	84682	FITZ	416070
84548	MCCOR	205004	84606	FITZ	240356	84644	FITZ	471765!	84683	FITZ	416664!
84549	MCCOR	6626S	84606	MCCOR	6985	84644	MCCOR	451469	84683	MCCOR	413248
84549K	FITZ	5403	84607	FITZ	415284	84645	FITZ	410102	84684	FITZ	415991
84550	FITZ	471316	84607	MCCOR	41075S	84645	MCCOR	472185!	84684	FITZ	455146!
84551	FITZ	472439	84607S	FITZ	415284	84646	MCCOR	473232!	84684	MCCOR	340900
84552	MCCOR	6781	84608	FITZ	6635S	84646K	FITZ	5408	84685S	FITZ	417506
84553	FITZ	472157!	84609	MCCOR	414045!	84647	MCCOR	410987!	84686	FITZ	417507!
84553	FITZ	472157	84609K	FITZ	5405	84647	MCCOR	450686	84686	FITZ	417507
84553	MCCOR	470565!	8460LPD	JN-MN	55199=	84648	FITZ	6245S=	84686	MCCOR	471341!
84554	FITZ	473235!	8460LUP	JN-MN	55199=	84648	MCCOR	413246	84687	FITZ	450482

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
84688	FITZ	417484!	84736	FITZ	473426	84805	FITZ	480630	84888S	FITZ	7600S
84688	MCCOR	331301N	84737	FITZ	416125!	84806K	FITZ	5410	848890	WHITE	476838!
84689	FITZ	410308!	84738	FITZ	416888!	84807	FITZ	350364	84889S	FITZ	471827
8468LUP	JN-MN	410708*	84739	FITZ	415995!	84808S	FITZ	471103!	84890S	FITZ	470898!
84690	FITZ	200600	84740	FITZ	413247!	84809	FITZ	450273	84891	FITZ	3103!
84690	MCCOR	5113	847407	GW	476470	84810S	FITZ	6626S	84892	FITZ	415442!
84690	MCCOR	7721!	847407	GW	476470!	84811	FITZ	472150	84892	FITZ	55442
84691	FITZ	471646!	84741	FITZ	55030	84813	FITZ	471763	84893	FITZ	55199=
84691	MCCOR	415449	84742	FITZ	416345!	84814	FITZ	417205!	84894	FITZ	417350!
84692	FITZ	450165	84742	FITZ	455033	84815S	FITZ	416297	84895	FITZ	6864S
84692	FITZ	471801!	84743	FITZ	415027	84816	FITZ	472636!	84896	FITZ	6785
84693	FITZ	471567!	84743	FITZ	415027!	84817	FITZ	472164!	84897	FITZ	6930
84694	MCCOR	350936	84745	FITZ	473016!	848178	WHITE	480630!	84898	FITZ	9568
84695S	FITZ	9613S	84746	FITZ	240119	84819	FITZ	473228!	848984	WHITE	417563
84696	FITZ	471821!	84747	FITZ	471272!	84820S	FITZ	412473!	84899	FITZ	6985
84698	MCCOR	5589	84748	FITZ	417481	848214	WHITE	412943	848BM7-Q6	C-R	416239!
84699	FITZ	481073	84749	FITZ	6127	848225	WHITE	417596	849	EATON	370023A
84699	MCCOR	473473	84750	FITZ	471413	84823S	FITZ	6754S=	84900S	FITZ	5589
846D6	WHITE	415697!	84751	FITZ	470530!	84826S	FITZ	240470	84904	FITZ	340356
846D6	WHITE	455547	84752	FITZ	45013S	84827S	FITZ	6760S	84906S	FITZ	473234!
847	EATON	370001A	84753	FITZ	417343!	84828S	FITZ	6597S	84907S	FITZ	6952S=
847	EATON	380001A	84754	FITZ	471649!	84829S	FITZ	240736	84909	FITZ	410987=
84700	FITZ	472179	84755	FITZ	473449	84831K	FITZ	5452	84914	FITZ	473228
84700	MCCOR	470898	84756	FITZ	240319	84833	CATER	J1128	84916	FITZ	6960
84701	MCCOR	471271!	84758	FITZ	45031S	84834	FITZ	417485	84918	FITZ	205017
84702	FITZ	6370N	84759	FITZ	415036	84835S	FITZ	470530!	84919	FITZ	473317
84702	MCCOR	7751H	84760	FITZ	40085S	84836	FITZ	6781	84921S	FITZ	7686S
84703	MCCOR	472016	84761S	FITZ	416271!	84837S	FITZ	415449!	84922	FITZ	470487!
84704	MCCOR	8243	84762	FITZ	450039	84838S	FITZ	417134	84923	FITZ	44053
84705	MCCOR	8610	84763	FITZ	471760	84839	FITZ	455614	84924	FITZ	6954S
84706	FITZ	40973S	84764	FITZ	323138!	848396	WHITE	415449!	84925S	FITZ	473231!
84706	MCCOR	331227H	84765	FITZ	473010	8483LPD	JN-MN	417181!	84927	FITZ	3103!
84707	MCCOR	8168=	84767	FITZ	417356!	8483LUP	JN-MN	417181!	84927S	FITZ	415449
84708	FITZ	6643S	84767	FITZ	455188	8484	C-R	473415	84928S	FITZ	471195!
84708	MCCOR	472070	84768	FITZ	5578	84840	FITZ	417269!	84929S	FITZ	5072
84709	MCCOR	9015S	84769	FITZ	471231!	84841	FITZ	415060	8493052	GMC	415984!
8470LPD	JN-MN	417484!	84770	FITZ	481644	84841	FITZ	455060	84931	FITZ	7107A=
8470LUP	JN-MN	417484!	84773	FITZ	473234!	84842	FITZ	417353!	84932	FITZ	5126
84710	FITZ	6098=	84775	FITZ	455612=	84843	FITZ	455022	84933	FITZ	7216
84710	MCCOR	7044NA	84776	FITZ	476470	84844	FITZ	415196!	84935S	FITZ	321460
84711	CATER	471554!	84777	FITZ	340771	84846	FITZ	415711	84936S	FITZ	203006!
84713	MCCOR	6960	84778	FITZ	417349	84847	FITZ	415394	84937	FITZ	5499=
84714	FITZ	412871!	84779	FITZ	471785!	84848	FITZ	455625=	84937K	FITZ	5499=
84714	MCCOR	472082	847799	WHITE	415458!	84849	FITZ	455134!	84938	FITZ	7044NA
84715	FITZ	417355!	8477S	TIMKE	4847S	8485	C-R	473415	84939	AM WH	470059
84715	FITZ	485497	84780	FITZ	80313	84850	FITZ	417537	84939	AM WH	470380!
84715	MCCOR	332062	84781	FITZ	472397!	84851	FITZ	415350	84939S	FITZ	5092
84715S	FITZ	417355!	84783	FITZ	6090S	84852	FITZ	417344!	8493LPD	JN-MN	471138!
84715S	FITZ	485497	84784	FITZ	450398	84853	FITZ	415064	84940S	FITZ	413246
84716	MCCOR	8804S=	84784	FITZ	471267!	84856	FITZ	473234!	84941S	FITZ	3095
84716S	FITZ	472164	84786	FITZ	470954!	8485LPD	JN-MN	471649!	84942	FITZ	410708
84717	FITZ	474255	84787	FITZ	471281!	8485LUP	JN-MN	471649!	84945S	FITZ	473237
84717	MCCOR	472409	84788	FITZ	450143	84860	FITZ	6818	84947S	FITZ	7456N
84718	FITZ	470712!	84789	FITZ	6612S	84862	FITZ	6815	8494LPD	JN-MN	471138!
84718	MCCOR	8610	847899	GW	473444	848629	WHITE	417621!	8494LUP	JN-MN	471138!
84719	FITZ	473227	8478LPD	JN-MN	415284	84863	FITZ	471795	84950	FITZ	451182
84719	MCCOR	8594S	8478LUP	JN-MN	415284	84864	FITZ	6840S	849502	WHITE	417171!
8471A	C-R	417316!	84790	FITZ	473231!	84865	FITZ	6985	849505	WHITE	5471
84721	MCCOR	470487!	84791	FITZ	471413!	84869S	FITZ	6855N=	84958	FITZ	410708
84722	FITZ	472144!	84792	FITZ	415187	84871	FITZ	415960!	8495LPD	JN-MN	415254
84722	MCCOR	473179	84793	FITZ	416339	84873S	FITZ	473179	8495LUP	JN-MN	415254
84723	MCCOR	472082	84793	FITZ	455031!	84875	FITZ	41081S=	8496	C-R	482069N
84724	FITZ	370002A	84794	FITZ	416332!	84877S	FITZ	416271!	84968	FITZ	205044
84725	FITZ	6532S=	84795	FITZ	415991	84878S	FITZ	451078!	8496LPD	JN-MN	410496!
84727	FITZ	412920!	84795	FITZ	415991!	84879	FITZ	410308	8496LUP	JN-MN	410496!
84728	FITZ	415035!	84796	FITZ	471472!	8487M1	C-R	416239!	84971S	FITZ	7338N
84728	FITZ	415035	84797	FITZ	471787!	84881	FITZ	473463	84972S	FITZ	415449
84730	FITZ	5951	84798	FITZ	416229	84882K	FITZ	5458	84974S	FITZ	350936
84731	FITZ	240009	847RC	SUL	411253!	848841	WHITE	471554!	84975	FITZ	350936
84732	FITZ	7107A=	848	EATON	417505	84885S	FITZ	470774!	84975S	FITZ	350936
84734	FITZ	470605!	84803	FITZ	450269	84886S	FITZ	6966S	84976S	FITZ	474260
84735	FITZ	417223	84804	FITZ	471526!	84887S	FITZ	6241S	84979S	FITZ	472354!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
8497LPD JN-MN	455655!*	850234 GWI	415960!	85174 MCCOR	470354	854D1 WHITE	450073
8497LUP JN-MN	455655!	850237C92 IH	473367	851771 WHITE	471231!	855 EATON	370124A
84980 FITZ	7934S	850237C92 IH	473367!	8517A C-R	415960!	8550 C-R	222240
84982S FITZ	331301N	850238C92 IH	473445=	85181S FITZ	472341!	8550 C-R	22X40X7!
84984 FITZ	470712	85029S FITZ	5111	85182S FITZ	3698	855021003 BU-SP	471267!
84985 FITZ	455189	85029S FITZ	5111S	85182S FITZ	5092	855022000 BU-SP	471192
84986S FITZ	471821!	8502A C-R	473447	8519 C-R	222210	855022001 BU-SP	470625!
84987 FITZ	7607	8502LPD JN-MN	55030*	85191A C-R	471413	855022010 BU-SP	472394
84988 FITZ	5113	8502LUP JN-MN	55030	85195S FITZ	5576	855022011 BU-SP	471224!
84988 FITZ	7721!	85030S FITZ	472082	85196S FITZ	5414	855022012 BU-SP	472144!
84989S FITZ	203008	85031S GWI	417205!	85197S FITZ	5115	855022002 BU-SP	473228
84990S FITZ	470898!	850316 GWI	417247!	85199S FITZ	473573	855022004 BU-SP	472439
84992 FITZ	416273!	850333M1 MASSE	200354	8519H SPG	473179	855022005 BU-SP	473197
84993S WHITE	417262!	8503LPD JN-MN	415263	852 EATON	415058	855022007 BU-SP	471766!
84993S FITZ	6241S	8503LUP JN-MN	415263	8520 C-R	22X36X7	855022008 BU-SP	471192
84994S FITZ	7886S	85040S FITZ	5111	85200S FITZ	3394	855022009 BU-SP	472185!
84995 FITZ	41257!	85040S FITZ	5111S	85201S FITZ	473560N	855022010 BU-SP	472394
84997 FITZ	7994S	85048S FITZ	3945	85202S FITZ	3103!	855022011 BU-SP	471224!
84998S FITZ	9150S	8504LPD JN-MN	417506	85203S FITZ	2955	855022012 BU-SP	472144!
84999 FITZ	8139	8504LUP JN-MN	417506	85204S FITZ	3095	855022013 BU-SP	471652
84G15 OSHKO	416288!	8505 C-R	22X31X6	852052 WHITE	471224!	855022013 BU-SP	482208!
84GT7A248A3A FORD	2658	85050S FITZ	5390	85205S FITZ	5108	855022014 BU-SP	471766!
84GX15 OSHKO	416288!	85051S FITZ	415483	85208A WHITE	450073	855022015 BU-SP	470625!
850 EATON	370036A	850567 CLARK	50199S!	852172 GWI	472157!	855022016 BU-SP	471224!
850 EATON	370349A	850567 CLARK	6863S!	852172 GWI	472157	855022017 BU-SP	471192
85000 FITZ	291295	85059S FITZ	5112	8521S TIMKE	8521S	855022018 BU-SP	472394
8500058 CYCLO	474274=	85059S FITZ	5112S	8522 C-R	222220	855022019 BU-SP	7216
8500058 GR-DV	474274=	8505LPD JN-MN	415007*	85221 AM WH	471646!	855022020 BU-SP	5711
8500059 CYCLO	410825	8505LUP JN-MN	415007	852482 WHITE	50199S!	855022021 BU-SP	473238
8500060 CYCLO	416273	85063S FITZ	5112	852482 WHITE	6863S!	855022022 BU-SP	472164!
8500061 CYCLO	470898	85063S FITZ	5112S	8527160 FAIRB	471571	855022023 BU-SP	473228
8500062 CYCLO	473474	8506LPD JN-MN	417488!	852722 WHITE	417254	855022024 BU-SP	472439
8500063 CYCLO	415483	8507 C-R	416239!	852723 WHITE	JV701	855022025 BU-SP	471141!
8500064 CYCLO	417349	8507 CABOT	416239!	85274 HOUGH	412119!	855022026 BU-SP	472144!
8500065 CYCLO	416332!	8507 MINMA	416239!	853 EATON	370037A	855022027 BU-SP	451817
8500066 CYCLO	411160N=	85070 C-R	417604	853 EATON	370338A	855022028 BU-SP	470625!
8500068 CYCLO	476470	85071 C-R	417604	8530 C-R	22X37X7	855022029 BU-SP	470625!
8500068 CYCLO	476470!	850716 C-R	415867	85305 WITTE	472012	855022030 BU-SP	473228
8500072 CYCLO	471651=	85079 AM WH	473245!	853090 WHITE	471442!	855022031 BU-SP	473445
8500078 CYCLO	470954!	8507LPD JN-MN	417488!	853170 FIAT	224040	855022032 BU-SP	470682
8500079 CYCLO	471224!	8507LUP JN-MN	417488!	853170 FIAT	40X60X10!	855022033 BU-SP	471750!
85002S FITZ	471827	8507M1 C-R	416239!	8532S SPG	370048A	855022034 BU-SP	473452
85003S FITZ	482253	8508 C-R	22X31X8!*	853391 CLARK	474278!	855022035 BU-SP	471141!
85005 C-R	417603!	8508 C-R	22X32X7V!	85358A HYST	5593=	855022036 BU-SP	472185!
850050 CLARK	471567!	85080 C-R	417604*	853716 CLARK	450173	855022038 BU-SP	471984
85006 C-R	417603!	85081044 WARNE	473245!	85375 EATON	924057	855022039 BU-SP	5778
850078 CYCLO	470954!	850812 CLARK	473467!	853D6 DIA	455858	855022040 BU-SP	471192
85009 C-R	417603!	85085 C-R	416394	853D6 WHITE	455858	855022041 BU-SP	470625!
850105 CLARK	412473!	8508LPD JN-MN	455820	854 EATON	370019A	855023000 BU-SP	472636!
850109M1 MASSE	470712!	8508LUP JN-MN	455820	8540 C-R	22X38X7!	855023001 BU-SP	411394!
85011S FITZ	5337	85090 C-R	416394	8540 C-R	22X38X8	855023002 BU-SP	417316!
85012 C-R	417603=	8509LPD JN-MN	417172*	85404 NATL	200642	855023003 BU-SP	473466
8501238 CYCLO	471413!	8509LUP JN-MN	417172	854090 WHITE	415437	855023004 BU-SP	415007
8501239 CYCLO	471571	851 EATON	370065A	854091 WHITE	416339	855023005 BU-SP	470898
8501240 CYCLO	473231!	8510 C-R	222210	854091 WHITE	455031!	855023007 BU-SP	455005
8501240 GR-DV	473231=	8510 C-R	22X32X7!	8541 C-R	22X38X7V	855023008 BU-SP	471341!
8501241 CYCLO	472397!	8510 JAC	470954!	854276 WHITE	472179	855023009 BU-SP	470530!
85012S FITZ	5092	8510LUP JN-MN	473453	8542A C-R	471649!	855023011 BU-SP	417485
85013S FITZ	472082	8511513C HARWA	85X115X13	8545 C-R	222238	855023012 BU-SP	473464
85014 C-R	417604	8513 C-R	22X35X7*	8545 C-R	22X38X8!	855023013 BU-SP	415007
85015 C-R	417604	851350M1 MASSE	40401	85452 GRAM	471827	855023014 BU-SP	473466
85015S FITZ	332062	85137 NATL	7208S	854580 GWI	472157	855023015 BU-SP	417316!
85016S FITZ	8804S=	8515 C-R	22X35X7	854580 GWI	472157!	855023016 BU-SP	472636!
85017S CLARK	450446	851522 WHITE	472560N!	854581 GWI	416657	855023017 BU-SP	415303!
85017S FITZ	9613S	8515N TIMKE	8515N	854761 CLARK	470354	855023018 BU-SP	412861
850185M1 MASSE	472015!	8516 C-R	222220	854889S RENA	35X50X8!	855023019 BU-SP	472636!
850189 GWI	415351!	8516 C-R	22X35X7	854889S RENA	3771	855023021 BU-SP	415449!
8501LPD JN-MN	417198*	8516 C-R	22X35X7V!	8548983 RENA	35X50X8!	855023022 BU-SP	411394!
8501LUP JN-MN	417198	851634 WHITE	416654	8548983 RENA	3771	855023022 KOEH	411394!
85020 C-R	417604	85165 GWI	473462	854945 WHITE	415960	855023023 BU-SP	473467!
85021 C-R	417604*	8516N TIMKE	473235	8549S TIMKE	8549S	855023024 BU-SP	415449!
850225M1 MASSE	471785!	8517 C-R	22X35X7	854D1 DIA	450073	855023025 BU-SP	417486

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
855023026	BU-SP	472924!	855026010	BU-SP	416107!	858366	WHITE	HU019A	85X130X13TC	TRSCM	85X130X13
855023027	BU-SP	412119!	855026011	BU-SP	417556	858367	WHITE	730009	86-374A	BUC-E	416077
855023028	BU-SP	473473	855026012	BU-SP	416666	858368	WHITE	AR10+370020A	860	EATON	370005A
855023029	BU-SP	55469	855027000	BU-SP	417298	858370	WHITE	HU019A	86000	FITZ	415437
855023030	BU-SP	471271!	855027001	BU-SP	55692=	858371	WHITE	730009	86001	FITZ	7208S
855023031	BU-SP	470530!	855027002	BU-SP	417562	858372	WHITE	AR10+370020A	860022	WHITE	474278!
855023033	BU-SP	415302	855027003	BU-SP	415072	858375	WHITE	370023A	86003	FITZ	415437
855023034	BU-SP	473471	855027004	BU-SP	417596	858379	WHITE	HU013A	86003	FITZ	415437!
855023035	BU-SP	417484!	855028000	BU-SP	415867	858380	WHITE	733067	86004	FITZ	416125!
855023036	BU-SP	415001!	855028001	BU-SP	415867	858381	WHITE	HU024A	86006	FITZ	415137!
855023037	BU-SP	417344!	855028002	BU-SP	415116	858382	WHITE	730004	86006	FITZ	418028
855023038	BU-SP	411348!	855028003	BU-SP	415867	858383	WHITE	370001A	86009	FITZ	6077
855023039	BU-SP	415483!	855028004	BU-SP	455406!	858386	WHITE	730016	8601-4686	MERCE	717005
855023040	BU-SP	416271!	855028005	BU-SP	415551	858387	WHITE	HU042A	86010	FITZ	45637S
855023041	BU-SP	472492!	855028006	BU-SP	415551	858388	WHITE	730016	86011	FITZ	415025
855023042	BU-SP	472397!	855028007	BU-SP	415867	858389	WHITE	HU036A	86012	EATON	927112
855023043	BU-SP	417480!	855028008	BU-SP	415867	858390	WHITE	730003	86013	EATON	927113
855023044	BU-SP	40401	855028009	BU-SP	416239!	8583AB	CASE	415458!	8601478	GMC	412871!
855023045	BU-SP	473467!	855028010	BU-SP	416239!	858402	WHITE	730010	860264R91	IH	40566S
855023046	BU-SP	472409!	855029001	BU-SP	415128	85854	WAUKE	352541	860313R91	IH	40566S
855024000	BU-SP	55309=	855029003	BU-SP	55222=	8587	CHERY	416107!	8603362	GMC	471442!
855024001	BU-SP	415991	855029005	BU-SP	415482	8587	CHERY	455073	860419	WHITE	415995!
855024002	BU-SP	415991	855029006	BU-SP	55222=	858701	CLARK	450188	8604M	BRAD	472164!
855024002	BU-SP	455146!	855029007	BU-SP	415482	85884	WHELA	415645!	86055	C-R	J1112
855024003	BU-SP	415991	855029011	BU-SP	455462	85884	WHELA	455104	860594	WHITE	416956
855024004	BU-SP	415995!	855029013	BU-SP	415482	858848	WHITE	5494	860594A3	DIA	416956
855024005	BU-SP	415379	855029014	BU-SP	55301S	858849	WHITE	370007A	8606M	BRAD	471466!
855024006	BU-SP	415379	855048	WHITE	473467!	858849	WHITE	7866S	86081	C-R	JV1210=
855024006	BU-SP	415379!	855049	WHITE	471192	858872	WHITE	471413	8609	TIMKE	471539
855024008	BU-SP	415379	855054	WHITE	411245!	859	EATON	386025A	861	EATON	370003A
855024009	BU-SP	415995!	8551	C-R	22X40X7	859	EATON	416158	8610	TIMKE	8610
855024010	BU-SP	476470	8552	C-R	22X40X7V	859056	WHITE	415960	86105	PUL	HU013A
855024011	BU-SP	412473!	855488	CLARK	450269	859059	WHITE	455032!	86106	PUL	HU009A
855024013	BU-SP	415937!	8555	C-R	22X42X10	859060	WHITE	416892!	8610R	SPG	718610
855024014	BU-SP	417351!	8556	C-R	22X42X10	859063	WHITE	417172	8610RAR	SPG	718610
855024015	BU-SP	456105	855657	CLARK	471570!	859064	WHITE	415437	8611N	TIMKE	8611N
855024016	BU-SP	418028	85571	WAUKE	473205	859064	WHITE	415437!	8612	C-R	340850
855024016	BU-SP	455137!	8558	C-R	222240	859164	CHRYV	6241S	8612229	GMC	9613S
855024017	BU-SP	417349	8558	C-R	22X40X7V!	85927R91	IH	340413	8612234	GMC	450285
855024018	BU-SP	416624!	856	EATON	416892	85928R91	IH	240414	8613	HYST	471255!
855024019	BU-SP	7208S	8560	C-R	22X45X7	859393	GWI	472164!	8614102	GMC	473234
855024021	BU-SP	455178=	8561	C-R	222267	8594S	TIMKE	8594S	861484	CLARK	415196!
855024022	BU-SP	417598	8562	C-R	22X42X10	85964	EATON	904087	8615094	GMC	473234
855024023	BU-SP	415995!	856227	CHRYV	471316	85965	EATON	904072	861513650	SOLAR	471647
855024024	BU-SP	415559	8563	C-R	22X45X7	8597S	TIMKE	8597S	861546	WHITE	370023A
855024025	BU-SP	415379!	85641	WAUKE	330385!	85984	WHITE	370001A	861546	WHITE	6864S
855024025	BU-SP	415379	856798	GWI	416892!	859985	WHITE	370001A	8615885	GMC	417158!
855024026	BU-SP	417191	8568	C-R	22X47X7	859995	WHITE	730001	8616280	GM	411
855024026	BU-SP	455165!	856811	WHITE	416404!	859997	WHITE	730027	8616588	GMC	473234!
855024027	BU-SP	417621!	856821	WHITE	471224!	859998	WHITE	730008	8617869	GMC	473234
855024029	BU-SP	476470	857	EATON	370131A	859999	WHITE	730017	8618478	GMC	7018N=
855024030	BU-SP	417210!	8570	C-R	222270	859D6	WHITE	456618	8618479	GMC	7018N=
855024031	BU-SP	416125!	8570	C-R	22X47X7!	85X10510XX	TIMKE	85X105X10	8618697	GMC	450725N=
855025000	BU-SP	415138!	857031	CLARK	480630!	85X10513XX	TIMKE	85X105X13	8618702	GMC	473234
855025001	BU-SP	416888!	857112	CLARK	416158	85X105X10SC	TRSCM	85X105X10!	8618702	WILYS	473234
855025003	BU-SP	415196!	8573	C-R	22X47X7	85X105X10TC	TRSCM	85X105X10!	8619560	GMC	7442H
855025006	BU-SP	415064	857317	CLARK	471765!	85X105X13SC	TRSCM	85X105X13	8619867	GMC	342805
855025007	BU-SP	472157	85778	CUMMI	472164!	85X105X13TC	TRSCM	85X105X13	8620	C-R	240733
855025007	BU-SP	472157!	85778	OLIVE	472185!	85X11010XX	TIMKE	85X110X10	862051	WHITE	40094S
855025008	BU-SP	416892!	857824	WHITE	370006A	85X11012XX	TIMKE	85X110X12	862052	WHITE	40097S
855025009	BU-SP	455197N	85785	CUMMI	472409!	85X110X10	ISP	85X110X10	86208C	DIA	6635S
855026000	BU-SP	417254	85785	OLIVE	472409!	85X110X12SC	TRSCM	85X110X12	8620N	TIMKE	8620N
855026001	BU-SP	415725!	8579	FULLE	472319	85X110X12TC	TRSCM	85X110X12	8621	HYST	472397!
855026002	BU-SP	415645!	858	EATON	370021A	85X11513XX	TIMKE	85X115X13	86213	AT SU	292594
855026002	BU-SP	455104	8580	C-R	22X50X8	85X115X13	SIMRT	85X115X13	8621767	GMC	342805
855026003	BU-SP	416865!	85805	GRAM	473467	85X115X13AN	ISP	85X115X13	8622	TIMKE	8622
855026004	BU-SP	415645!	8581A	C-R	472636!	85X12012XX	TIMKE	85X120X12	8622268	GMC	7442H
855026004	BU-SP	455104	858286	CLARK	471442!	85X120X12SC	TRSCM	85X120X12	862283	WHITE	470565!
855026005	BU-SP	415938	8583	FULLE	473231!	85X120X12TC	TRSCM	85X120X12	8623056	GMC	8792S
855026006	BU-SP	416107!	858345	WHITE	370023A	85X12512XX	TIMKE	85X125X12	8623743	GMC	9449
855026006	BU-SP	455073	858358	WHITE	370036A	85X13013XX	TIMKE	85X130X13	8623789	GMC	473179
855026007	BU-SP	416107!	858358	WHITE	3720349A	85X130X13SC	TRSCM	85X130X13	8623789	WILYS	473179

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8624 C-R	254287!	8644709 GMC	8792S	8677 C-R	440131!	87055S94 FORD	421
8624117 AMC	411500	8645 C-R	340413	867703 WHITE	415988	8705S TIMKE	8705S
8624117 GMC	411500	8645003 GMC	340847	8677463 GMC	4333N	8706 C-R	471570!*
8624117 WILYS	411500	864530R91 IH	471442!	8677554 GMC	4674N	87061S94 FORD	427RR
8625 C-R	5976S	8646 C-R	471267!	8677749 GMC	224840	8707 C-R	471570
8625 CHERY	417967!	864643-C92 IH	370023A	8678 C-R	471267!	87074 AMC	470530!
862500 WHITE	HU009A	864743-C92 IH	370023A	86783 WHITE	471689!	8708 C-R	471570!
862501 WHITE	733067	864784-C91 IH	370023A	867887R91 IH	471466!	870889C91 IH	370048A
8625571 GMC	473179	8648 C-R	471267	867888R91 IH	473229	870890C91 IH	370048A
862570 WHITE	415458!	8648394 GMC	3227	8679 C-R	471267!	8709 C-R	471570!
862571 WHITE	473447	8649 C-R	353132	8679679 GMC	714679	8710 C-R	471570!*
8625757 GMC	9449	86496 GRAM	472409!	8679744 GMC	710096	8711 C-R	471570!
8625892 GMC	473234	8650 C-R	471267!	8680 C-R	471267!	8711329 CHRYSL	340771
8625893 GMC	5208	86504R91 IH	455008	8680 CHERY	471192	8712 C-R	471570!
8625893 GMC	9449\$	865070R91 IH	411348!	8680134 KOEH	472179	871239R91 IH	471787
86260 C-R	417567*	8650S TIMKE	473467	8680152 KOEH	471808!	871240R91 IH	471787
8626009 GMC	5208	8651 C-R	471267!	8680153 KOEH	471763	871275 WHITE	471192
8626009 GMC	9449\$	8652 C-R	471267!	8680309 KOEH	470898	871281R91 IH	40576S
8626901 GMC	5208	8653 C-R	471267!	8680322 KOEH	471271!	871303R91 IH	472560N
8626912 AMC	473179	8654 C-R	471267!	8680518 KOEH	471791	8714 C-R	472810!
8626916 GMC	473179	8654491 GMC	3227	8680541 GMC	4072N	871425 WHITE	416500
8627 C-R	254287!	8655031 GMC	9449	868137R91 IH	7013S	871425A WHITE	416500
8627 C-R	7840S	8655032 GMC	2457	868137R92 IH	7013S	871425D5 DIA	416500=
8627145 GMC	2457	8655122 GMC	473179	8682 C-R	471267!	8715 C-R	471570!
8628054 GMC	3227	8657 C-R	471267!	868251 WHITE	6886S	871601085 SOLAR	450398
8629 C-R	7014S	8657163 GMC	8792S	868276 WHITE	416921!	871601085 SOLAR	471267!
8629 STN-S	471766!	8658 C-R	471267!	868287 CLARK	473467!	871699004 SOLAR	470380!
8629A C-R	471759	8659 C-R	471267!	8683 C-R	471267!	871699046 SOLAR	471407
8630 STN-S	473228	8660 C-R	471267	8684 C-R	471267!	871699047 SOLAR	471413!
8630921 GMC	3227	8660S TIMKE	8660S	8685 C-R	471267!	871699052 SOLAR	471619!
8631156 GMC	3543	8661 C-R	471267!	8685111 GMC	224840	871699156 SOLAR	474274
8631158 GMC	3583	86614 C-R	220X250X15V	8685515 GMC	4072N	871699330 SOLAR	471643!
863154 CLARK	473467!	86615 C-R	220X250X15	8686 PUL	B300	871699348 SOLAR	471571
8631590 GMC	240385	8661602 GMC	4598	8686903 CONTI	472843	8717 C-R	471570!
8631950 GMC	3583	8662 C-R	471267!*	868695R91 IH	451948	87181 AM WH	412119!
8631950 GMC	4072N	8662A C-R	473367	868860R92 IH	HU024A	8719 C-R	471570!
8632 C-R	7014S	8663 C-R	471267!*	868861R1 IH	730004	871951 WHITE	200642
8633 C-R	254287	8664 C-R	471267!	8690 C-R	712270	87199 AM WH	455026
863490 WHITE	455480!	8664812 GMC	4072N	8691 C-R	712270	8720 C-R	471570!
8635S TIMKE	8635S	8665 C-R	471267	8691260 ACF	415035	8720035 BOWEN	415645!
8636A C-R	470050	8665542 GMC	8611N	8691260 ACF	415035!	8720035 BOWEN	455104
8637 C-R	340413	86657J DIA	417344!	8691268 ACF	471271!	8720316 GMC	340823
86374 C-R	416077	8666007 GMC	3543	869235 WHITE	416297	8721 C-R	471570!
86374 GR-DV	416077	8667 C-R	471267!	869264 WHITE	410308	872164 WHITE	471224!
86374M1 C-R	416077	86684M DIA	416654!	869550 IH	417356!	8722125045 HUB-C	471516!
8637569 GMC	340849	86689M IH	470712!	869550 IH	455188	8724S SPG	7131
863767 WHITE	730010	86690 IH	472185!	8695S TIMKE	8695S	8724S TIMKE	8724S
8637906 GMC	4072N	866964 BENDI	200642	8696 C-R	471570!*	8725 C-R	471570!
8638 HYST	471567!	867 HOLT	6701=	86960 GRAM	50402	8727 C-R	471570!
8639 HYST	471570!	8670 C-R	471267!	86964 WHITE	410308	872797 WHITE	415854
863916 WHITE	474276	86702 HOUGH	471269!	8697 C-R	471570!	872927 CLARK	474272!
864 CEW	224220	8670218 HOUGH	471269!	86978 GRAM	471224!	872E-10 CLARK	473473
864 CEW	42X56X7!	8670218 IH	471269!	86HM6700A6A FORD	3774	8731 HYST	473232
864 CEW	494117	8670283 GMC	473179	86HM6701A1A FORD	473573	873157R91 IH	471341!
8640345 GMC	473179	8671 C-R	471267!*	86SM6700A6A FORD	3771	873158R91 IH	471341!
8641 C-R	340413	867167 CLARK	471442!	86SM6701A6A FORD	3772	873190 WHITE	417316!
8641300 GMC	473179	8672 C-R	471267!*	86TM6701A1A FORD	473573	873190A WHITE	417316!
8641826 GMC	473179	867205 CLARK	416271!	8700 C-R	471570!	873448 WHITE	417570
8641878 GMC	473179	867279 WHITE	470954!	870061 WHITE	470954	87355 HYST	415995!
8641904 GMC	473179	867285 WHITE	471570!	870080 WHITE	470954!	87355 HYST	415995!
8641952 GMC	473179	8673 C-R	471267!	8702 C-R	471570!	873637 FIAT	223535
864317 WHITE	410825	867335 WHITE	417433	870217 WHITE	471737	87365 GRAM	473463
864319 GWI	472144!	8673526 GMC	4583	870224 WHITE	471795	87378 HYST	416229
864321 GWI	415007	867367 WHITE	416364!	870224B1 DIA	471795	87379 HYST	473367
864324 GWI	416865!	867385 WHITE	415458!	870224D1 DIA	471795	873793 WHITE	471224!
8643792 GMC	4072N	867385A DIA	415458!	8703 C-R	471570*	87380 HYST	473232!
8643931 GMC	5690	8674 C-R	471267!	870349 WHITE	473179	87381 HYST	472394
8643935 GMC	3459	8675730 GMC	9449	8704 C-R	471570	87382 HYST	416404!
8644 C-R	353132	8675731 GMC	2457	870453 WHITE	471224!	873837 WHITE	413248
864403 WHITE	476574N	8676 C-R	471267!	870485C91 IH	370030A	8741 C-R	471570!
8644637 GMC	4150N	867633 CLARK	55358	8704S TIMKE	8704S	8741 HYST	470380!
8644637 GMC	710096	8676S TIMKE	8676S	8705 C-R	471570!*	8741225028 HUB-C	471224!

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
8741225036	HUB-C	879981	BENDI	88128	MCCOR	881991M1	MASSE
8742125009	HUB-C	879981	BENDI	88129	MCCOR	8819LPD	JN-MN
8742125026	HUB-C	88000	MCCOR	88130	MCCOR	8819LUP	JN-MN
8742125027	HUB-C	88001	MCCOR	88133	MCCOR	8820	C-R
8742125045	HUB-C	88002	MCCOR	88135	MCCOR	88202	MCCOR
8745	C-R	88011	MCCOR	88136	MCCOR	88203	MCCOR
87467	BENDI	88017	MCCOR	88137	MCCOR	88204	MCCOR
874768	BENDI	8801LPD	JN-MN	88137S	MCCOR	8820G	OSHKO
8748	C-R	8801LUP	JN-MN	88138	MCCOR	8820LPD	JN-MN
8748	HYST	8802	C-R	88139	MCCOR	8821	C-R
87480	C-R	88023	MCCOR	88140	MCCOR	882125	WHITE
8748919	WILYS	88025	MCCOR	88141	MCCOR	88214	MCCOR
8749999008	HUB-C	88026	MCCOR	88142	MCCOR	88217	MCCOR
875	UNIVE	88026	MCCOR	88143	MCCOR	88217	MCCOR
8750	TIMKE	88028	MCCOR	88143	MCCOR	88218	MCCOR
8752	DICO	88028	MCCOR	88144	MCCOR	88218	MCCOR
875242	WHITE	88029	MCCOR	88145	MCCOR	8821LPD	JN-MN
87535	C-R	88035	HYST	88146	MCCOR	8821LPD	JN-MN
875380	C-R	88045	MCCOR	881467	WHITE	8821LUP	JN-MN
87540	C-R	88046	MCCOR	88147	MCCOR	8821LUP	JN-MN
87541	C-R	88046	MCCOR	88147	MCCOR	88221	MCCOR
87550	C-R	88047	MCCOR	88148	MCCOR	88222	MCCOR
87551	C-R	88049	MCCOR	88149	MCCOR	88223	MCCOR
875560	CLARK	88049S	MCCOR	881499	WHITE	88224	MCCOR
875560	CLARK	8804LPD	JN-MN	8814LPD	JN-MN	8822A	C-R
8757	C-R	8804LUP	JN-MN	8814LUP	JN-MN	8822LPD	JN-MN
87578	C-R	88055	MCCOR	88150	MCCOR	8822LUP	JN-MN
87578M1	C-R	8806	C-R	88151	MCCOR	88230	MCCOR
876	NATL	880620C91	IH	88152	MCCOR	88232	MCCOR
8760A	C-R	88068	MCCOR	88153	MCCOR	88232	MCCOR
876235R91	IH	88068S	MCCOR	88154	MCCOR	88233	MCCOR
8763	C-R	88070	MCCOR	88155	MCCOR	88235	MCCOR
8763	C-R	88072	MCCOR	88156	MCCOR	88236	MCCOR
8764886	CONTI	88076	MCCOR	88157	MCCOR	88237	MCCOR
8764948	CONTI	88079	MCCOR	88158	MCCOR	88238	MCCOR
8764A	C-R	88083	MCCOR	88159	MCCOR	88239	MCCOR
8765	C-R	88084	MCCOR	8815LUP	JN-MN	8823LPD	JN-MN
876506R91	IH	88085	MCCOR	88160	MCCOR	8823LUP	JN-MN
87656	HYST	88088	MCCOR	88161	MCCOR	8824	C-R
8766	C-R	8808LPD	JN-MN	88161	MCCOR	88241	MCCOR
876750	WHITE	8808LUP	JN-MN	88162	MCCOR	88241	MCCOR
876750	WHITE	88090	MCCOR	88163	MCCOR	88242	MCCOR
8772	C-R	88092	MCCOR	88163	MCCOR	88244	MCCOR
8773	C-R	88093	MCCOR	88164	MCCOR	88245	MCCOR
8773S	TIMKE	88093S	MCCOR	88165	MCCOR	88246	MCCOR
8774	C-R	88094	MCCOR	88165	MCCOR	88248	MCCOR
8777	NATL	88095	MCCOR	88166	C-P	88249	MCCOR
8777	SPG	88096	MCCOR	88166	MCCOR	8824LPD	JN-MN
8779	C-R	88097	MCCOR	881661	WHITE	8824LUP	JN-MN
87795	CROWN	8809LPD	JN-MN	88167	C-P	8825	C-R
8780	C-R	8809LUP	JN-MN	88175	MCCOR	88251	MCCOR
8780	HYST	88101	MCCOR	88176	HYST	88252	MCCOR
87804	HYST	88102	MCCOR	88177	MCCOR	88253	MCCOR
878155	WHITE	88103	MCCOR	8818	TMTR	88257	MCCOR
878163	WHITE	88104	MCCOR	88180	MCCOR	88258	MCCOR
8782	C-R	88105	MCCOR	88180S	MCCOR	88259	MCCOR
878346	WHITE	88107	MCCOR	88183	MCCOR	8825LPD	JN-MN
878349	WHITE	8810LPD	JN-MN	88184	MCCOR	8825LUP	JN-MN
878349	WHITE	8810LUP	JN-MN	88185	MCCOR	8826	TEKNI
8784	C-R	8811010A	HARWA	88186	MCCOR	88260	MCCOR
8785	C-R	88111	MCCOR	88186	MCCOR	88262	MCCOR
8785A	F-R-H	88115	MCCOR	88187	MCCOR	88264	MCCOR
8786A	F-R-H	88117	MCCOR	88188	MCCOR	88268	MCCOR
8787	C-R	88117	MCCOR	88189	MCCOR	8826LPD	JN-MN
8787A	F-R-H	88118	MCCOR	8819	C-R	8826LUP	JN-MN
8788A	F-R-H	8811LPD	JN-MN	88191	MCCOR	88271	MCCOR
8789A	F-R-H	8811LUP	JN-MN	88192	MCCOR	88272	MCCOR
8792S	TIMKE	88121	MCCOR	88193	MCCOR	88273	MCCOR
879573	WHITE	88122	MCCOR	88197	MCCOR	88274	MCCOR
879579	WHITE	88122S	MCCOR	88197	MCCOR	88275	MCCOR
8796	C-R	88123	MCCOR	88198	MCCOR	88275	MCCOR
8797	C-R	88126	MCCOR	88199	MCCOR	88277	MCCOR

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Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
88277S	MCCOR	410308!	8858LPD JN-MN	410102	88AX100P3 MACK	417172	88AX170 MACK
88278	MCCOR	3103!	8860 C-R	471730	88AX101 MACK	50199S!	88AX170P2 MACK
88279	MCCOR	415857!	8860R JN-MN	417247!	88AX101 MACK	6863S!	88AX172 MACK
88280	MCCOR	6930	8861SS JN-MN	473236!	88AX102 MACK	473419!	88AX173 MACK
88281	MCCOR	416706!	88643 HYST	410737!	88AX103 MACK	472015!	88AX174 MACK
88283	MCCOR	415984!	8864LPD JN-MN	450474*	88AX104 MACK	473213!	88AX174 MACK
88286	MCCOR	345146	8864LUP JN-MN	450474	88AX109 MACK	415449!	88AX175 MACK
88287	MCCOR	45825S	8865 C-R	471730	88AX11 MACK	470059	88AX176 MACK
88288	MCCOR	40401	8865LPD JN-MN	415001!	88AX11 MACK	470380!	88AX177 MACK
88292	MCCOR	417343!	8865LUP JN-MN	415001!	88AX110 MACK	AR12+370033A	88AX177P3 MACK
88293	MCCOR	417480!	8866 C-R	471730	88AX110P1 MACK	417356!	88AX178 MACK
88294	MCCOR	415991	8866A C-R	474276!	88AX110P1 MACK	455188	88AX18 MACK
88296R	JOHND	472287!	8868LPD JN-MN	455462	88AX111 MACK	417196!	88AX182 MACK
88300	MCCOR	416500	8868LUP JN-MN	455462	88AX113 MACK	471553!	88AX183 MACK
88301	MCCOR	410825	886D6 WHITE	5951	88AX114 MACK	471570!	88AX184 MACK
88303	MCCOR	417621!	8870 C-R	470645*	88AX115 MACK	471689!	88AX186 MACK
88304	MCCOR	411348!	88702 C-R	416557	88AX116 MACK	474281!	88AX186 MACK
88307	MCCOR	8976S	8871 TIMKE	8871	88AX117 MACK	473462	88AX187 MACK
88308	MCCOR	418028	88710 C-R	416657	88AX118 MACK	473367!	88AX188 MACK
88309	MCCOR	8139	887140 WHITE	HU013A	88AX118 MACK	473367	88AX189 MACK
88310	MCCOR	7338N	8871718 GMC	442380	88AX119 MACK	416738!	88AX19 MACK
88312	MCCOR	8370S	8871719 GMC	416273!	88AX119 MACK	450096	88AX19 MACK
88313	MCCOR	417316!	8871720 GMC	416273!	88AX12 MACK	473426	88AX190 MACK
88314	MCCOR	8429S	8873095 GMC	416654	88AX120 MACK	472016	88AX190 MACK
88319	EATON	370003A	8873096 GMC	416654	88AX120P2 MACK	472016	88AX191 MACK
8831LPD	JN-MN	471192	8873427 GMC	730004	88AX120P3 MACK	472016	88AX192 MACK
8831LUP	JN-MN	471192	8873428 GMC	HU024A	88AX121 MACK	411253!	88AX193 MACK
883238	WHITE	417134	8873LPD JN-MN	473245!	88AX122 MACK	415001!	88AX194 MACK
88326M	IH	411394!	8873LUP JN-MN	473245!	88AX123 MACK	415082	88AX195 MACK
88327	EATON	370121A	8875 C-R	470645*	88AX124 MACK	455280	88AX196 MACK
88327M	IH	450090	8875081 GMC	410686N	88AX125 MACK	415458!	88AX196 MACK
88343	AM WH	417491	8875LUP JN-MN	4163801*	88AX126 MACK	415960	88AX197 MACK
883552	WHITE	410737!	88760 C-R	455129*	88AX128 MACK	417354!	88AX198 MACK
883555	WHITE	5487	8876337 GMC	472179	88AX129 MACK	415025	88AX198P2 MACK
883557	WHITE	455858	8877993 GMC	6864S	88AX13 MACK	417316!	88AX199 MACK
8835LPD	JN-MN	417604	8878141 BENDI	470590	88AX132 MACK	473426	88AX2 MACK
8835LUP	JN-MN	417604	8878142 BENDI	471785!	88AX133 MACK	417481	88AX20 MACK
8835S	TIMKE	8835S	8880SSR SPG	6638S	88AX134 MACK	417539!	88AX200 MACK
8835S0	NATL	3983	8881538 GMC	J1138	88AX135 MACK	417546!	88AX201 MACK
8835SSCR	SPG	8835S	8881555 GMC	415938	88AX136 MACK	415483!	88AX202 MACK
8838378	RCA	240435	8881715 GMC	472015!	88AX138 MACK	415036	88AX203 MACK
883865	WHITE	254287	8883 SPG	51322	88AX138P3 MACK	415036	88AX204 MACK
883867	WHITE	456744N	8884561 GMC	470898	88AX13P3 MACK	417316!	88AX205 MACK
8838LPD	JN-MN	455336*	8885 C-R	8348N=	88AX14 MACK	450040	88AX206 MACK
8838LUP	JN-MN	455336	88870 GMC	473238!	88AX144 MACK	415995!	88AX207 MACK
883935M4	MASSE	1037	888712 BUC-E	455117	88AX145 MACK	473016!	88AX208 MACK
8841LPD	JN-MN	417191	888712 C-R	455117	88AX146 MACK	471567!	88AX209 MACK
8841LPD	JN-MN	456585	888712M1 C-R	455117	88AX147 MACK	5578\$	88AX21 MACK
8841LUP	JN-MN	417191	888774 WHITE	6644	88AX147P2 MACK	5578\$	88AX210 MACK
8841LUP	JN-MN	456585	8887LPD JN-MN	473448*	88AX149 MACK	417344!	88AX211 MACK
8842	C-R	471137*	8887LUP JN-MN	473448	88AX15 MACK	412119!	88AX212 MACK
884299	WHITE	415483	88884A HEIL	417316!	88AX150 MACK	456890	88AX214 MACK
884439C91	IH	415072	88884A HERCU	417316!	88AX151 MACK	416921!	88AX215 MACK
884579	WHITE	417354!	8888S SPG	9449	88AX151P3 MACK	416921!	88AX215P3 MACK
884581	WHITE	472179	888910 C-R	416657	88AX152 MACK	416888!	88AX216 MACK
884582	WHITE	415437	889197 WHITE	471870!	88AX153 MACK	415058	88AX217 MACK
8845SS	JN-MN	476470	889246 WHITE	415995!	88AX153P3 MACK	415058	88AX218 MACK
8846	C-R	471137	88958818 GMC	415449	88AX154 MACK	415437	88AX219 MACK
884615	BENDI	471267!	889736C91 HOUGH	476470	88AX154 MACK	415437!	88AX21P3 MACK
884634	SPICE	415023	889736C91 HOUGH	476470!	88AX155 MACK	417171!	88AX22 MACK
8848	C-R	471137	889736C91 IH	476470	88AX156 MACK	415394	88AX221 MACK
8849	C-R	471137	889737C91 IH	417134	88AX157P3 MACK	416024	88AX222 MACK
88526A	HEIL	471760	889738C91 HOUGH	417254	88AX158 MACK	415021	88AX222 MACK
88526A	HERCU	471760	889738C91 IH	417254	88AX159 MACK	417621!	88AX223 MACK
885379	WHITE	6808N	889739C91 HOUGH	416041	88AX159P2 MACK	417621	88AX225 MACK
885387	WHITE	410987!	889739C91 IH	416041	88AX16 MACK	471255!	88AX225P3 MACK
885543	WHITE	6547	88973C91 IH	476470	88AX165 MACK	415995!	88AX226 MACK
8855SS	JN-MN	471549!	8899R JN-MN	473231	88AX165P2 MACK	415995!	88AX226P2 MACK
8856SS	JN-MN	473405	88AX-420 MACK	370003A	88AX166 MACK	415302	88AX226P2 MACK
8857	C-R	471137	88AX1 MACK	473215!	88AX167 MACK	456105	88AX229 MACK
8857LPD	JN-MN	416282	88AX10 MACK	476838!	88AX167P3 MACK	456105	88AX231 MACK
8857LUP	JN-MN	416282	88AX100 MACK	417172	88AX17 MACK	417273	88AX231P2 MACK

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Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended		Zero Duplication or Recommended	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
88AX231P3	MACK	88AX316P3	MACK	88AX392P2	MACK	88AX59	MACK
88AX232	MACK	88AX317	MACK	88AX393P3	MACK	88AX59P3	MACK
88AX233	MACK	88AX319P2	MACK	88AX394P3	MACK	88AX59P3	MACK
88AX234	MACK	88AX321P3	MACK	88AX395P3	MACK	88AX6	MACK
88AX236	MACK	88AX322	MACK	88AX396P3	MACK	88AX61	MACK
88AX239	MACK	88AX322P2	MACK	88AX397P3	MACK	88AX61P3	MACK
88AX24	MACK	88AX324	MACK	88AX398P3	MACK	88AX62	MACK
88AX240	MACK	88AX326	MACK	88AX4	MACK	88AX63	MACK
88AX240	MACK	88AX327	MACK	88AX400	MACK	88AX64	MACK
88AX240P3	MACK	88AX327P2	MACK	88AX401P2	MACK	88AX65	MACK
88AX240P3	MACK	88AX328	MACK	88AX402	MACK	88AX65P3	MACK
88AX241	MACK	88AX331	MACK	88AX402	MACK	88AX66	MACK
88AX241P3	MACK	88AX331P3	MACK	88AX403	MACK	88AX67	MACK
88AX242	MACK	88AX334	MACK	88AX403	MACK	88AX68	MACK
88AX247	MACK	88AX334P3	MACK	88AX404	MACK	88AX69	MACK
88AX247P3	MACK	88AX337	MACK	88AX404	MACK	88AX7	MACK
88AX248	MACK	88AX34	MACK	88AX405	MACK	88AX70	MACK
88AX248P2	MACK	88AX340	MACK	88AX406	MACK	88AX71	MACK
88AX249	MACK	88AX340P2	MACK	88AX407	MACK	88AX72	MACK
88AX251	MACK	88AX341	MACK	88AX408P1	MACK	88AX73	MACK
88AX253	MACK	88AX341P2	MACK	88AX409P3	MACK	88AX74	MACK
88AX255	MACK	88AX342P2	MACK	88AX410P2	MACK	88AX75	MACK
88AX257	MACK	88AX343P2	MACK	88AX410P3	MACK	88AX756	MACK
88AX259	MACK	88AX344P2	MACK	88AX415P3	MACK	88AX758	MACK
88AX259P2	MACK	88AX345P2	MACK	88AX416P2	MACK	88AX75P1	MACK
88AX259P2	MACK	88AX346P2	MACK	88AX417	MACK	88AX75P3	MACK
88AX260	MACK	88AX347P2	MACK	88AX418	MACK	88AX76	MACK
88AX260P1	MACK	88AX348P2	MACK	88AX419	MACK	88AX76P3	MACK
88AX261P2	MACK	88AX348P2	MACK	88AX421	MACK	88AX77	MACK
88AX261P2	MACK	88AX349P3	MACK	88AX424	MACK	88AX77	MACK
88AX263	MACK	88AX350P3	MACK	88AX424	MACK	88AX79	MACK
88AX266	MACK	88AX353	MACK	88AX425	MACK	88AX79	MACK
88AX267	MACK	88AX353P3	MACK	88AX425	MACK	88AX79P3	MACK
88AX268	MACK	88AX354P2	MACK	88AX427	MACK	88AX79P3	MACK
88AX268P3	MACK	88AX355P2	MACK	88AX429P3	MACK	88AX7P3	MACK
88AX269P3	MACK	88AX356P2	MACK	88AX432	MACK	88AX8	MACK
88AX270	MACK	88AX357P2	MACK	88AX439	MACK	88AX81	MACK
88AX271	MACK	88AX358P2	MACK	88AX440	MACK	88AX82	MACK
88AX272	MACK	88AX359P2	MACK	88AX440	MACK	88AX82	MACK
88AX272P2	MACK	88AX360P2	MACK	88AX440P2	MACK	88AX83	MACK
88AX273	MACK	88AX361P2	MACK	88AX440P2	MACK	88AX84	MACK
88AX274P2	MACK	88AX362P2	MACK	88AX440P4	MACK	88AX84-P1	MACK
88AX275	MACK	88AX362P2	MACK	88AX441P3	MACK	88AX84-P2	MACK
88AX278	MACK	88AX362P2	MACK	88AX442P3	MACK	88AX88	MACK
88AX28	MACK	88AX363P2	MACK	88AX443	MACK	88AX89	MACK
88AX281	MACK	88AX364P2	MACK	88AX444P2	MACK	88AX9	MACK
88AX281P2	MACK	88AX365P2	MACK	88AX448	MACK	88AX90	MACK
88AX282	MACK	88AX366P2	MACK	88AX450	MACK	88AX93	MACK
88AX282P2	MACK	88AX367P2	MACK	88AX454	MACK	88AX93P3	MACK
88AX282P3	MACK	88AX368P2	MACK	88AX455	MACK	88AX94	MACK
88AX286	MACK	88AX370P3	MACK	88AX455	MACK	88AX95	MACK
88AX286P3	MACK	88AX371P2	MACK	88AX463	MACK	88AX96	MACK
88AX287	MACK	88AX372	MACK	88AX463	MACK	88AX97	MACK
88AX288	MACK	88AX373	MACK	88AX466	MACK	88AX97	MACK
88AX289	MACK	88AX374	MACK	88AX467	MACK	88AX97P3	MACK
88AX290	MACK	88AX375	MACK	88AX469	MACK	88AX97P3	MACK
88AX291	MACK	88AX376	MACK	88AX469	MACK	88AX98	MACK
88AX291P2	MACK	88AX376	MACK	88AX47	MACK	88AX99	MACK
88AX291P3	MACK	88AX378	MACK	88AX49	MACK	88AXB1	MACK
88AX292	MACK	88AX379	MACK	88AX49-P2	MACK	88AXB2	MACK
88AX292	MACK	88AX379	MACK	88AX5	MACK	88AXB21	MACK
88AX293	MACK	88AX380	MACK	88AX50	MACK	88AXB4	MACK
88AX3	MACK	88AX382	MACK	88AX51	MACK	88AXB5	MACK
88AX300	MACK	88AX382	MACK	88AX52	MACK	88AXB6	MACK
88AX303P2	MACK	88AX383P2	MACK	88AX53	MACK	88AXM	MACK
88AX306	MACK	88AX385P3	MACK	88AX54	MACK	88AXT21	MACK
88AX308	MACK	88AX386P2	MACK	88AX54	MACK	88G490	LEYLD
88AX311P3	MACK	88AX386P3	MACK	88AX55	MACK	88G490	LEYLD
88AX312	MACK	88AX387P3	MACK	88AX55-P2	MACK	88G561	LEYLD
88AX314P2	MACK	88AX388P2	MACK	88AX56	MACK	88X11012XX	TIMKE
88AX315	MACK	88AX390P2	MACK	88AX58	MACK	88X110X12	SIMRT
88AX316	MACK	88AX391P2	MACK	88AX59	MACK	88X110X12SC	TRSCM

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
88X110X12TC TRSCM	88X110X12		8933004143 NOK	716445		89735R1 IH	240735		8C5167 CATER	417484!	
890016C91 IH	416380!		8935S TIMKE	8935S		8973R JN-MN	472572!		8C5210 CATER	471267	
8900LPD JN-MN	415284		893747 WHITE	100495		8973S SPG	9015S		8C5236 CATER	73478=	
8900LUP JN-MN	415284		893747 WHITE	417349		897436R91 IH	416426H=		8C815248 FUNK	472164!	
8900S SPG	6886S		893747T2 DIA	417349!		8974S TIMKE	8974S		8C87638 FUNK	411253!	
8901R JN-MN	417562		893788C91 IH	471571		897599R91 IH	455005		8D1175 FORD	410987!	
890475 WHITE	470530!		8940S TIMKE	8940S		8975LPD JN-MN	471619!		8D2311 CATER	416167!	
8907 TIMKE	8907		8941LUP JN-MN	457299		8975LUP JN-MN	471619!		8D3902 CATER	416332!	
89070 C-P	470954!		894225C91 IH	412119		8975S TIMKE	8975S		8EB1190 FORD	6638S	
8909 HYST	470334!		8943LPD JN-MN	455129*		8976S TIMKE	8976S		8EB3591A FORD	480630!	
891002 WHITE	HU028A		8943LUP JN-MN	455129		898235-R93 IH	370019A		8EB3591A1 FORD	480630!	
891004 WHITE	HU034A		8945LUP JN-MN	415023		8983501389 AMC	4370N		8EB3591A2 FORD	480630!	
891015 WHITE	370001A		8945R JN-MN	415023		8983501872 AMC	474278		8EQH2965 FORD	471689!	
891033 WHITE	370001A		894631 SPICE	415995!		8983503010 AMC	473214!		8F0019 CATER	100641	
891034 WHITE	370001A		8946315 SPICE	415072		8983503063 AMC	9912		8F1596 CATER	415327	
891035 WHITE	370001A		8946316 SPICE	415035!		8983503504 AMC	710202		8F2079 CATER	471705!	
8910A C-R	415449!		8946316 SPICE	415035		8983503752 AMC	223831		8F3522 CATER	472179	
89121024 RCA	470954		894632 SPICE	415449!		8983504434 AMC	472572		8F3528 CATER	471763	
89121027 RCA	471224		894633 H-S	415351!		8985R JN-MN	455328		8F3600 CATER	415035	
891437 CHRYS	5797		894633 SPICE	415351!		89878 HYST	485725N		8F4331 CATER	413479	
891448 CHRYS	470354		894637 SPICE	415991		8989LPD JN-MN	450084!		8F450 CATER	470328	
891448 CLARK	470354		894637 SPICE	455146!		8989LUP JN-MN	450084!		8F450 CATER	481213!	
891448 MASSE	470354		894638 SPICE	470712!		898F8 C-R	415656		8F5179 CATER	471442	
89185 AM WH	416239!		8946LPD JN-MN	416891!		8991LPD JN-MN	411376!		8F530 CATER	415023	
891944 CLARK	204013		8946LUP JN-MN	416891!		8991LUP JN-MN	411376!		8F5340 CATER	240731	
8919LPD JN-MN	415090*		894763M1 MASSE	416921!		899246 WHITE	415995!		8F5583 CATER	417562	
8919LUP JN-MN	415090		8947LPD JN-MN	415072		8993LPD JN-MN	55539=		8F7702 CATER	727410	
8920 FALCK	416664!		8947LUP JN-MN	415072		8993LUP JN-MN	55539=		8F9770 CATER	417316!	
8920 FED	416664!		8948LPD JN-MN	415090		899448 CLARK	100495		8G1002 HU-WR	415027	
8920200 GMC	473476		8948LUP JN-MN	415090		899448 CLARK	417349		8G1002 HU-WR	415027!	
892066 WHITE	370007A		8949LPD JN-MN	417562		8998 DICO	441319		8G1085 HU-WR	412473!	
8921150B GMC	470954!		8949LUP JN-MN	417562		8998 TIMKE	8998		8G1176 HU-WR	471649!	
8921301 GMC	455956H		894A786 GE	450457		89986R91 IH	450143		8G1178 HU-WR	473205	
8922045 GMC	417344=		8950LPD JN-MN	416229		8999LPD JN-MN	417496*		8H7319 CATER	417621	
8922045-B GMC	417344=		8950LUP JN-MN	416229		8999LUP JN-MN	417496		8H9155 CATER	456946N=	
8922046 GMC	417344=		895121C1 IH	417316		899A4 WHITE	408		8H9180 CATER	7188S	
8923654 GMC	417550		8951LPD JN-MN	415116		8A0-501-641A AUDI	1962		8H9220 CATER	471267!	
8923655 GMC	J2037=		8951LUP JN-MN	415116		8A1096 FED	410308!		8H9519 CATER	474274	
8924374 GMC	455134		8952LPD JN-MN	455406!		8A1126 FED	473463		8H9520 CATER	471267!	
8924453 GMC	39904		8952LUP JN-MN	455406!		8A1177A FORD	471835!		8H9826 CATER	470605!	
892457 WHITE	5481		8953000237 AMC	4019N		8A1177A1 FORD	471835!		8H9836 CATER	473232	
8924LPD JN-MN	471833		8953000239 AMC	470547		8A1177A2 FORD	471835!		8J1190 FORD	6547	
8925LPD JN-MN	417267		8953000476 AMC	473212		8A1177A3 FORD	471835!		8J4869 CATER	416364!	
8925LUP JN-MN	417267		8953002642 AMC	473452		8A1190A FORD	473235		8J7893 JN SON	J1119	
8926135 GMC	357971V=		8953LPD JN-MN	417602!		8A3591A1 FORD	240151		8L2594 CATER	471570!	
8926902 GMC	415035		8953LUP JN-MN	417602!		8A3591A2 FORD	240151		8L2595 CATER	417350!	
89270 BR-ST	473426		895486 WHITE	415983N!		8A5627TS TROS	55301S		8L2891 CATER	481443!	
8927748 GMC	415284		895486T2 DIA	415983N!		8A6000 FED	471570!		8L3024 CATER	481443!	
8927749 GMC	327934		895486TZ WHITE	415983N!		8A63 PUL	HU013A		8L6547 CATER	472475	
8928213 GMC	454136N		8954LPD JN-MN	417604		8A64 PUL	HU009A		8L7657 FORD	473235!	
8928LPD JN-MN	472951		8954LUP JN-MN	417604		8A7261 FED	473215!		8L7657A FORD	473235!	
8928LPD JN-MN	474252		8955LPD JN-MN	416364!		8A7262 FED	471570!		8L7657B FORD	7300S	
8928LUP JN-MN	472951		8955LUP JN-MN	416364!		8A7976 FED	450307		8L7657C FORD	7300S	
8928LUP JN-MN	474252		89569 US-EL	471821!		8A8203 FED	470898!		8M1177 FORD	40067S=	
8929134 DETRO	472324		8956A C-R	417621!		8A8579 FED	415449!		8M1177A FORD	473228	
8929134 GMC	472324		8956LPD JN-MN	417542		8AX1177 FORD	471835!		8M1177B FORD	473228	
8929154 GMC	484156V		8956LUP JN-MN	417542		8B136 CATER	472705!		8M3524 CATER	470334!	
8929213 GMC	454136N		895781 WHITE	410496!		8B2240 FED	410708		8M3591 FORD	240356	
8929503 GMC	4494V		8960B HYST	416921!		8B2702 CATER	473367!		8M4104 CATER	473459	
893 ITM	224040		8961248 GMC	2361		8B2702 CATER	473367		8M4676 FORD	5778	
893 ITM	40X60X10!		896473 ROCKW	415995!		8B6341 CATER	417513		8M4676A FORD	5778	
89307 HYST	417262!		896473 ROCKW	415995!		8B7180 CATER	473228		8M7657 FORD	473228!	
8931A C-R	415088		896473 WHITE	415995!		8B7618 CATER	410987!		8M8110 CATER	456837V	
8931A C-R	415088!		896473T2 DIA	415995!		8B7989 CATER	415437		8M8761 CATER	472018	
8932 FULLE	240735		89660 BR-ST	7014S		8B8252 CATER	473215!		8M8955 CATER	415035	
893220 WHITE	6597S		89692 BR-ST	471267!		8B8255 CATER	472409!		8M9299 CATER	471570!	
893220K1 DIA	6597S		896941R91 IH	370048A		8B8294 CATER	416654!		8N-4233A FORD	472492	
893230 WHITE	6597S		896K1 WHITE	474276		8B8359 CATER	471766!		8N4233 FORD	472492!	
8932A C-R	415832		89724 CHRYS	471827		8B8616 CATER	476470		8N4233A1 FORD	472492!	
8933002971 AMC	424		8972LPD JN-MN	472185!		8B8925 CATER	473229		8N4233A2 FORD	472492!	
893300414 AMC	716445		8972LUP JN-MN	472185!		8B9631 CATER	470334!		8N4248 FORD	6643S	
8933004143 AMC	716445		897348R91 IH	412119		8C3100 CATER	471192		8N4248A TRU-P	6643S	

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
8N4248B FORD		6643S	90024 C-R		455462	90124111 JOY		417487	901241201 JOY		416865!
8N4251 FORD		417316!	90025 C-R		455462	901241115 JOY		416865!	901241202 JOY		416865!
8N4251B FORD		417316!	900250 C-R		455462	90124112 JOY		456105	901241206 JOY		457874
8N7052 FORD		472258	900253C SPG		712139	901241120 JOY		481073	901241208 JOY		416229
8N7052A FORD		472258	90026 C-R		455462	901241121 JOY		471553!	901241209 JOY		411376!
8N7052A1 FORD		472258	900276 EL-MO		471570!	901241123 JOY		471689!	90124121 JOY		416892!
8N7052A2 FORD		472258	900279 EL-MO		417556	901241124 JOY		471649!	901241211 JOY		415551
8N7052A3 FORD		472258	90030 C-R		415090	901241125 JOY		471224!	901241213 JOY		417606
8N7052H FORD		471141!	900301 EL-MO		412920!	901241127 JOY		471763	901241214 JOY		417020
8QH1174 FORD		6532S=	900302 EL-MO		471763	901241128 JOY		476838!	901241216 JOY		471648
8QH1181 FORD		6532S=	900313 EL-MO		473214!	901241129 JOY		470712!	90124122 JOY		455024
8S2225 CATER		254287*	90035 C-R		415090	90124113 JOY		415035	901241223 JOY		412119!
8S4862 B-L-H		472164!	90036 C-R		415090*	90124113 JOY		415035!	90124124 JOY		471765!
8S5575 CATER		471442!	900366 EL-MO		416154!	901241131 JOY		471750!	901241241 JOY		470712!
8S5575 CATER		482971	900384 EL-MO		415437	901241132 JOY		470625!	90124125 JOY		417316!
8T0085 CATER		417940!	900392 EL-MO		471224!	901241133 JOY		473229	901241251 JOY		471272!
8T0322 CATER		416865N	900402C SPG		472150	901241135 JOY		470712!	901241254 JOY		415995!
8T1009 HU-WR		473313	9004LPD JN-MN		455019!*	901241137 JOY		473010	901241259 JOY		471570!
8T1020 HU-WR		473245!	9004LUP JN-MN		455019!	901241138 JOY		473446	90124126 JOY		476470
8T1051 HU-WR		415938	9005 C-R		710254	901241139 JOY		473236!	901241263 JOY		415991
8T1284 HU-WR		417563	9005 JN-MN		370021A	901241142 JOY		470334!	901241263 JOY		455146!
8T1402 HU-WR		472016	900509 EL-MO		416666	901241144 JOY		473450	901241268 JOY		471567!
8T2230 CATER		4419!	90052 DENCO		410102	901241145 JOY		471866!	901241269 JOY		473213!
8T2604 CATER		351487	900520 EL-MO		416239!	901241146 JOY		473458!	901241270 JOY		417492
8T2604 CATER		7188S	9005354 GMC		415938	901241147 JOY		471868	901241271 JOY		416892!
8T3007 CATER		77980=	9005357 GMC		417602!	901241148 JOY		472439	901241272 JOY		415938
8T3413 CATER		473232	9005359 GMC		415938	90124115 JOY		455008	901241273 JOY		418028
8T4676A FORD		410737!	9005360 GMC		416381	901241151 JOY		472397!	901241273 JOY		455137!
8T4676B FORD		410737!	900553 EL-MO		415995!	901241152 JOY		473242	901241274 JOY		415437
8T6917 CATER		416921!	900556 EL-MO		472397!	901241153 JOY		416738!	901241275 JOY		471554!
8T7021 CATER		417939	90060 C-R		415090	901241153 JOY		450096	901241279 JOY		416664!
8T7274 FORD		472705!	90061 C-R		415090	901241154 JOY		450307	90124128 JOY		415036
8X16X7 FORSH		8X16X7	900621 EL-MO		415725!	901241155 JOY		472016	901241282 JOY		473228
8X16X7 SIMRT		8X16X7	90063 C-R		415090	901241158 JOY		411253!	90124129 JOY		415645!
8X16X7SC TRSCM		8X16X7	90066 SPG		473367	90124116 JOY		471766!	90124129 JOY		455104
8X18X5AN(35) ISP		8X18X5	900665 EL-MO		473241	901241160 JOY		410694!	901241290 JOY		415938
8X18X7SC TRSCM		8X18X7	900666 EL-MO		471192	901241161 JOY		411394!	901241293 JOY		473474
8X18X7TC TRSCM		8X18X7	90067 SPG		473228!	901241162 JOY		416271!	901241294 JOY		471466!
8X22X7 FORSH		8X22X7!	900695 EL-MO		471316	901241163 JOY		417073	901241296 JOY		450177
8X22X7 SIMRT		8X22X7!	900734 EL-MO		473227!	901241164 JOY		410496!	9012413 JOY		416107!
8X22X7SC TRSCM		8X22X7!	900757 EL-MO		415449!	901241165 JOY		415302	9012413 JOY		455073
8X22X7TC TRSCM		8X22X7!	900831 EL-MO		417079	901241166 JOY		415458!	901241301 JOY		416125!
8X24X7 FORSH		8X24X7	90091926 GMC		228008	901241167 JOY		417485	901241302 JOY		417262!
8X24X7 SIMRT		8X24X7	900920 EL-MO		416130!	901241168 JOY		455005	901241303 JOY		472311!
8X24X7SC TRSCM		8X24X7	900927 EL-MO		416556!	901241169 JOY		417134	901241307 JOY		415995!
8X24X7TC TRSCM		8X24X7	900927 EL-MO		472157	90124117 JOY		457874	901241308 JOY		471424!
9-09924-449-0 VILA		228480	900939 EL-MO		417474	901241172 JOY		417488!	901241315 JOY		471391!
900 C-R		415983N+99372	900959 EL-MO		471316	901241173 JOY		55155=	901241323 JOY		471692!
900 UNIVE		415090*	90096 ADAMS		471413	901241174 JOY		417621!	901241328 JOY		472560N!
900016 EL-MO		471424!	900974 EL-MO		472015!	901241175 JOY		416288!	901241329 JOY		473237!
90003 C-R		55301S	900991 EL-MO		415302	901241178 JOY		412473!	90124133 JOY		415007
90005 C-R		55301S	901 C-R		712270+99086	901241179 JOY		471191	90124135 JOY		473214
90006 C-R		417940!	901 C-R		712270+99087	901241179 JOY		456585	901241354 JOY		417602!
90006 C-R		55301S*	901017 WAYNE		240733	90124118 JOY		416339	90124136 JOY		415988
900108 EL-MO		416664!	901018 WAYNE		450039	90124118 JOY		455031!	90124137 JOY		471138!
900110 MICH		415090*	90102037 DEMPC		471760	901241180 JOY		415025	901241370 JOY		470605!
9001100 UNIVE		415090*	901027 WAYNE		450908=	901241181 JOY		455249!	901241376 JOY		472492!
9001223 GMC		471466!	9010625 GMC		J1117	901241182 JOY		415711	901241391 JOY		473197
90015 C-R		455476	9010630 GMC		415483	901241183 JOY		415937!	9012414 JOY		416666
900154C SPG		712140	9010A C-R		471763*	901241184 JOY		415379!	90124142 JOY		415379!
900156 EL-MO		415867	9012 JN-MN		370023A	901241184 JOY		415379	90124142 JOY		415379
90016 C-R		455476	90122607 GMC		710232	901241187 JOY		417211!	901241427 JOY		417316!
900160 C-R		456462	90122609 GMC		1108	901241189 JOY		415138!	90124143 JOY		418028
90017 C-R		455476	90123632 JOY		471413!	901241190 JOY		415034!	90124143 JOY		455137!
90019 C-R		455476	90124110 JOY		415058	901241192 JOY		417513	90124145 JOY		415960
9001R JN-MN		417498	901241100 JOY		417344!	901241193 JOY		416891!	901241452 JOY		417316!
9002 JN-MN		416892	901241101 JOY		416654!	901241194 JOY		472157!	901241457 JOY		473367
900202 EL-MO		455079!	901241104 JOY		415995!	901241194 JOY		472157	90124146 JOY		473238
900218 EL-MO		471567!	901241105 JOY		473245!	901241195 JOY		416888!	90124147 JOY		415960
900229 EL-MO		415088	901241106 JOY		470059	9012412 JOY		417546!	90124148 JOY		472924!
900229 EL-MO		415088!	901241106 JOY		470380!	90124120 JOY		415045!	90124149 JOY		417356!
90023 C-R		455462*	901241108 JOY		480210!	901241200 JOY		416167!	90124149 JOY		455188

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
9012415	JOY	472185!	901244202	JOY	455137!	901248150	JOY	415138!	9014154	ESSIC	473460
90124151	JOY	472636!	901244203	JOY	476470	901248156	JOY	472560N!	9014170	ESSIC	40494S
90124152	JOY	415995!	901244213	JOY	417356!	901248161	JOY	411394!	9014172	ESSIC	470954!
90124154	JOY	473232	901244213	JOY	455188	90124823	JOY	412119!	9014173	ESSIC	365008
90124157	JOY	416153!	901244222	JOY	416137	9012483	JOY	412119!	9014179	ESSIC	473415
90124158	JOY	470530!	901244236	JOY	417278	90124860	JOY	410190	9014194	ESSIC	416297
9012416	JOY	450084!	901244246	JOY	415072	90124861	JOY	471571	9014201	ESSIC	473234
90124160	JOY	410737!	90124425	JOY	417316!	90124862	JOY	470712!	9014211	ESSIC	415379!
90124161	JOY	473214	90124426	JOY	476470	90124869	JOY	50075=	9014211	ESSIC	415379
90124164	JOY	415379	901244260	JOY	411394!	90124871	JOY	473462	9014234	ESSIC	473215!
90124164	JOY	415379!	901244278	JOY	471870!	90124873	JOY	471224!	9014235	ESSIC	472299
90124165	JOY	416239!	9012443	JOY	416107!	90124876	JOY	417171!	9015	JN-MN	370023A
90124166	JOY	417247!	9012443	JOY	455073	90124880	JOY	481568!	90153	SPG	472287!
9012417	JOY	415001!	90124430	JOY	416921!	90124899	JOY	450068	901532C	SPG	472397!
90124171	JOY	415991	90124433	JOY	415007	901259D	SPG	413246	901556C	SPG	710180
90124171	JOY	455146!	90124437	JOY	471138!	901288	O-M	203025	90156855	GMC	710164
90124172	JOY	410102	90124441	JOY	417507	90129860	GMC	3543	901577C	SPG	472354
90124173	JOY	471571	90124441	JOY	417507!	90129860	GMC	35X55X11!	9015S	TIMKE	9015S
90124176	JOY	473467	90124443	JOY	418028	901354A	SPG	712137	901605C	SPG	471854!
90124177	JOY	413469!	90124443	JOY	455137!	90136	WHITE	473367	9016973	GMC	417603!
90124178	JOY	417171!	901244461	JOY	472164!	90136	WHITE	473367!	9016987	GMC	415327
90124179	JOY	415021	9012447	JOY	415449!	90136849	GMC	710399	901712	C-R	415317
9012418	JOY	413469!	90124476	JOY	473236!	9013LPD	JN-MN	450188	901716	C-R	415551
90124180	JOY	415988	90124485	JOY	50266	9013LUP	JN-MN	450188	901716	MINMA	415551
90124181	JOY	415023	90124489	JOY	471224!	9014	JN-MN	370030A	901716M1	C-R	415551
90124182	JOY	473215!	90124491	JOY	471224!	90140	WHITE	470059	901728	C-R	455397
90124184	JOY	471821!	90124493	JOY	471835!	90140	WHITE	470380!	90178	C-R	415116
90124187	JOY	474265	90124497	JOY	471692!	9014004	ESSIC	40169S	90180515	GMC	228008
90124189	JOY	472144!	90124499	JOY	471785!	9014005	ESSIC	471529	90180529	GMC	714436
9012419	JOY	415027	901245121	JOY	472179	9014007	ESSIC	471567!	90182165	GMC	710331
9012419	JOY	415027!	901245208	JOY	415437	9014015	ESSIC	450593!	90182166	GMC	3543
90124191	JOY	473460	901246127	JOY	416891!	9014016	ESSIC	470328	9018594	GMC	417020
90124194	JOY	472394	901246133	JOY	415138!	9014016	ESSIC	481213!	9019LUP	JN-MN	415077*
90124196	JOY	416444	901246236	JOY	472016	9014017	ESSIC	471692!	901T2	WHITE	473215!
90124197	JOY	411245!	901246253	JOY	471570!	9014023	ESSIC	471787	901VB7	MARI	415090
90124198	JOY	415449!	901246276	JOY	476470	9014042	ESSIC	473231!	902	UNIVE	55218=
90124199	JOY	455151	90124629	JOY	417344!	9014043	ESSIC	471504!	9020LPD	JN-MN	473242*
901244100	JOY	471736	901246294	JOY	417596	9014049	ESSIC	472572!	9020LUP	JN-MN	473242
901244107	JOY	470625!	90124630	JOY	416921!	9014051	ESSIC	473426	902146	EL-MO	471567!
901244108	JOY	470625!	90124631	JOY	471750!	9014053	ESSIC	470059	9021835	GMC	412473!
901244109	JOY	470059	901246314	JOY	416154!	9014053	ESSIC	470380!	9022031	ESSIC	471224
901244109	JOY	470380!	90124632	JOY	471413	9014055	ESSIC	471224!	902231	EL-MO	417262!
90124411	JOY	417487	901246323	JOY	456105	9014060	ESSIC	471341!	9022496	GMC	474276!
901244110	JOY	470059	90124638	JOY	481163!	9014062	ESSIC	450143	9022745	EUCLD	470712!
901244110	JOY	470380!	90124640	JOY	472029	9014063	ESSIC	473460	9022745	GMC	470712!
901244112	JOY	473229	90124641	JOY	417507	9014065	ESSIC	472179	9022945	GMC	476470
901244113	JOY	473229	90124641	JOY	417507!	9014072	ESSIC	471689!	9023693	GMC	340787
90124412	JOY	456105	90124652	JOY	415995!	9014073	ESSIC	470712!	9024	JN-MN	370006A
901244120	JOY	472179	90124653	JOY	415991	9014077	ESSIC	50345=	9024837	GMC	295113=
901244121	JOY	472179	90124653	JOY	455146!	9014079	ESSIC	474278!	9025	JN-MN	370019A
901244127	JOY	472572!	90124664	JOY	472179	9014082	ESSIC	473227	902618	EL-MO	416404!
901244132	JOY	472492!	90124666	JOY	472492!	9014085	ESSIC	470625!	9026194	GMC	240414
901244134	JOY	472397!	90124668	JOY	471271!	9014091	ESSIC	417316!	902700	CLAYE	471818
901244136	JOY	473463	90124681	JOY	472924!	9014095	ESSIC	417350!	902701	CLAYE	471763
901244137	JOY	416738!	90124682	JOY	472397!	9014098	ESSIC	343185	902704	CLAYE	471413!
901244137	JOY	450096	9012469	JOY	417344!	9014099	ESSIC	240816	902736	EL-PA	411376!
901244139	JOY	450532	901247106	JOY	415995!	90141	WHITE	470059	902752	CLAYE	210914
901244140	JOY	473467	901247107	JOY	55155=	90141	WHITE	470380!	9028	JN-MN	415058
901244145	JOY	473243	901247109	JOY	417621!	9014102	ESSIC	473239	90280462	GMC	710237
901244149	JOY	471272!	901247121	JOY	415034!	9014107	ESSIC	6283S	9028LPD	JN-MN	471750!
901244153	JOY	411253!	901247162	JOY	55301S	9014109	ESSIC	5924	9028LUP	JN-MN	471750!
901244154	JOY	412920!	901247165	JOY	415645!	9014117	ESSIC	470954!	9029	JN-MN	370003A
901244155	JOY	455136	901247165	JOY	455104	9014119	ESSIC	417350!	90292186	BUC-E	471570!
90124416	JOY	471766!	901247177	JOY	416891!	9014120	ESSIC	471192	902T2	DIA	471570!
901244173	JOY	415449!	901247179	JOY	472636!	9014123	ESSIC	473215!	902T2	WHITE	471570!
901244181	JOY	417344!	901247187	JOY	416364!	9014128	ESSIC	473229	903	CALI	415991
901244182	JOY	417158!	901247193	JOY	471567!	9014131	ESSIC	473215!	903	CALI	455146!
901244189	JOY	417351!	901247197	JOY	415138!	9014141	ESSIC	471692!	90304R91	IH	500143
901244191	JOY	417488!	90124731	JOY	471750!	9014143	ESSIC	413247!	9030LUP	JN-MN	417608
901244197	JOY	417490	901247413	JOY	470605!	9014144	ESSIC	472157!	90311-45006	VILA	710345
901244200	JOY	455336	90124751	JOY	472636!	9014144	ESSIC	472157	90311-92003	VILA	229210
901244202	JOY	418028	901248103	JOY	473450	9014149	ESSIC	415498	903125	BADGE	470380!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
9032	JN-MN	370036A	9050715	GMC	470530!	9080	DICO	204027	9113	ALLCH	472560N!
903220	EL-PA	470530!	90516AB	CASE	473475	908000002478	ROCKW	471466!	9113	TRAC	472560N!
9032982	GMC	472439	9051749	EUCLD	410102	9080LPD	JN-MN	472354!	9113848	GMC	416394
903341	EL-MO	416556!	9051749	GMC	410102	9080LUP	JN-MN	472354!	9113LPD	JN-MN	471529
903341	EL-MO	472157	9051869	GMC	473458!	908112	MICH	415219*	9113LUP	JN-MN	471529
903342	EL-MO	417262!	9051994	GMC	415021	9081125	UNIVE	415219*	9113N	NATL	417349
903379C1	SOLAR	471571	9052155	WHITE	370001A	90842	WHITE	415001!	911447R91	IH	473463
90342143	GMC	3543	905215S	WHITE	370001A	908601	EL-MO	417603!	911448R91	IH	470954!
903457	EL-PA	416271!	9052358	GMC	415379	90870	CROWN	6668S	91170	WHITE	50560
90354378	GMC	710237	9052413	GMC	455556	9089	OLIVE	470334!	9117078	GMC	415449!
9035878	EUCLD	412473	9052824	GMC	712937	909030	OMC	17760	91172349	GMC	710505
9035878	GMC	412473	905301	AVCO	472164!	90913	SPG	415449!	91172554	GMC	710343
9036762	GMC	473215!	9053715	GMC	416282	9092LPD	JN-MN	416288!	91172558	GMC	221122
9036763	GMC	413247!	9053962	GMC	370043A	9092LUP	JN-MN	416288!	91172563	GMC	223830
9036866	GMC	9773	905476C1	SOLAR	472179	90935	CATER	472636	91173283	GMC	710523
9037454	GMC	470898	9054800	GMC	412871!	90940	WHITE	5751	91173294	GMC	710310
9037547	GMC	417040	905530C1	IH	471267!	90RU-21-P2	MACK	AR10+370020A	91173941	GMC	223605
9037591	GMC	471344	905531C1	IH	480210=	90X11012XX	TIMKE	90X110X12	91175484	GMC	710310
90386	CHRYSL	410308!	90555	C-R	230X260X15	90X110X12SC	TRSCM	90X110X12	91175954	GMC	223830
904	UNIVE	415219	90562	WHITE	473367!	90X110X12TC	TRSCM	90X110X12	91176031	GMC	223540
9040164	GMC	416654!	90562	WHITE	473367	90X11512XX	TIMKE	90X115X12	9118259	GMC	471763
904021	LETN	415483!	90563	WHITE	473449	90X12012XX	TIMKE	90X120X12	9119951	GMC	417562
904097	BADGE	473228!	9056LPD	JN-MN	451857	90X120X12SC	TRSCM	90X120X12	9119952	GMC	415645!
904111	MICH	55218=	9056LUP	JN-MN	451857	90X120X12TC	TRSCM	90X120X12	9119952	GMC	455104
9041112	UNIVE	55218*=	90574	WHITE	473228	90X12507XX	TIMKE	90X125X7	912	UNIVE	55223=
9041LPD	JN-MN	473228	905931	BADGE	472185!	90X12513XX	TIMKE	90X125X13	91201-PC1-003	ACURA	221620
9041LUP	JN-MN	473228	906006	LETN	415458!	90X125X13ASN	ISP	90X125X13	91201-PC1-004	ACURA	221620
9042321	GMC	475384	90600R1	NAVST	12473	90X125X13ASN	ISP	90X125X7*	91201-PW5-015	ACURA	710173
9042LPD	JN-MN	417191	90601H	IH	340413	90X125X13ASN(32)	ISP	90X125X13	91201-PY5-003	ACURA	225545
9042LPD	JN-MN	455165!	906026	LETN	472164!	90X14514XX	TIMKE	90X145X14	91201-PY5-005	ACURA	225545
9042LUP	JN-MN	417191	906027	LETN	472164!	910	UNIVE	55222=	91202-PY5-003	ACURA	223805
9042LUP	JN-MN	455165!	906034C1	SOLAR	470380!	91001	KELSE	412920	91202-PY5-005	ACURA	223805
9043356	GMC	6703S	906035	LETN	417171!	91001R91	IH	417316!	91203-PG6-003	ACURA	222743
9043381	GMC	472179	90623	EATON	712937	91002	KELSE	442251	91203-PR4-004	ACURA	1990
9043451	EUCLD	352541	90626	FI-CO	473228!	91002R91	IH	417316!	91205-PG1-003	ACURA	224045
9043451	GMC	352541	9062821	GMC	471504	91007	KELSE	417172	91205-PL3-801	ACURA	224026
9043LPD	JN-MN	472397!	9063043	GMC	418028	9100801	KELSE	418028	91205-PL3-B02	ACURA	224026
9043LUP	JN-MN	472397!	9063044	GMC	415991	9101191	GMC	416239!	91205-PW5-005	ACURA	710147
9044336	GMC	480210!	9063044	GMC	455146!	91023	FRUEH	417172	91206-611-005	VILA	710336
9044396	GMC	471442!	9064421	GMC	710041	9102553	GMC	417298	91206-PG2-005	ACURA	224026
904483	BADGE	471795	90648	DIVCO	474265	91036	CATER	254270	91206-PW5-015	ACURA	224025
904485	BADGE	471831!	906486	EL-MO	415389	91036	TMTR	254270	91206-PY4-003	ACURA	710298
9044LUP	JN-MN	417541	906489	EL-MO	417171!	9103939	GMC	417555!	91206-PY4-004	ACURA	710298
9045LPD	JN-MN	415995!	90649	DIVCO	473462	9105070	GMC	417602!	91207-P56-003	ACURA	350609
9045LUP	JN-MN	415995!	9065	C-R	222330	910677	NOK	70X95X10	91207-PR8-005	ACURA	710291
9046018	GMC	415234!	906501	GW1	471231!	91080R91	IH	5405	91208-PG1-003	ACURA	710297
9046020	GMC	472636!	90655	DIVCO	412119!	9108767	EUCLD	473236!	91208-PG1-005	ACURA	710297
9046310	SPICE	418028	90656	DIVCO	473245!	9108767	GMC	473236!	91208-PW5-005	ACURA	710249
9046310	SPICE	455137!	9065LUP	JN-MN	472954	910984C1	SOLAR	471619!	9120LUP	JN-MN	472492!
9046315	SPICE	415991	9068	C-R	222340	9110079	GMC	55692=	912113	MICH	415871
9046315	SPICE	455146!	907017C1	IH	471647	911035	C-W	471141!	9121137	UNIVE	415871
9046316	SPICE	415035	907159TDR	SPG	471267	911035	WOOL	471141!	91212-PA5-004	ACURA	710329
9046316	SPICE	415035!	907273	WILYS	471341!	911045	LETN	472164!	91212-PR3-003	ACURA	223802
904633	SPICE	417344!	90730	CROWN	416271!	911046	LETN	472018	91212-PR4-A01	ACURA	223802
904634	SPICE	412473!	907390	WILYS	450588!	911047	LETN	417349	91212-PT0-003	ACURA	224052
904635	SPICE	415449!	9074R	JN-MN	415449!	9110516	GMC	415379	91213-PH7-003	ACURA	713771
904636	SPICE	418028	9076436	GMC	474278!	9110516	GMC	415379!	91213-PH7-013	ACURA	713771
904636	SPICE	455137!	907653	WILYS	472311!	9110569	GMC	415995!	91213-PL2-003	ACURA	713771
904637	SPICE	412473!	9076LPD	JN-MN	471984	9110569	GMC	415995!	91213-PR3-004	ACURA	1989
904638	SPICE	471267!	9076LUP	JN-MN	471984	9110978	GMC	415137!	91213-PR7-A01	ACURA	1989
904639	SPICE	472193!	9077LPD	JN-MN	472185!	9110978	GMC	418028	91213-PY3-003	ACURA	3771
9046A	C-R	455144	9077LUP	JN-MN	472185!	9110998	GMC	455584	91213-PY3004	ACURA	3771
9048LPD	JN-MN	415327*	9078	EATON	471820	911105	LETN	417349	91214-PB2-003	ACURA	227610
9048LUP	JN-MN	415327	9078	TRUK	471820	9111307	GMC	410496!	91214-PH1-013	ACURA	228015
9049	TIMKE	9049	90788	WHITE	416294!	911157	OMC	17760	91214-PH1-661	ACURA	228015
9049000	GMC	471466!	9078B	EATON	412871!	9111838	GMC	415938	91214-PR4-A01	ACURA	228015
904921C1	SOLAR	471407	9078B	TRUK	412871!	9111933	GMC	8996S=	91214-PY3-003	ACURA	228008
904922C1	SOLAR	471413!	9078C	TRUK	412871!	9111936	GMC	415551	9121414	GMC	476470
9049N	TIMKE	9049N	9079A	EATON	471272!	9111993	GMC	8996S=	91215-PG2-005	ACURA	221607
904G	OSHO	416476!	9079A	TRUK	471272!	911216	AMC	410308!	91215-PR8-005	ACURA	710299
9050644	GMC	416273!	908	UNIVE	417606	911216	WILYS	410308!	91216-PG1-003	ACURA	710157
9050712	GMC	470530!	9080	C-R	450038	9112463	GMC	471750!	91216-PG1-005	ACURA	710157

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
91216-PH8-003	ACURA	222830	912749	FALCK	471504	914201	ESSIC	473234	916658	CABOT	472636!
91216-PH8-003	VILA	222830	912757	FALCK	417316!	914207	ESSIC	473454	916662	CABOT	415683
91216-PH8-005	ACURA	222830	912758	FALCK	415995!	914209	ESSIC	471765!	916720	GWJ	415234!
91216-PH8-005	VILA	222830	912759	C-R	476470	914234	ESSIC	473215!	9168004	GMC	417273
91216-PR8-005	ACURA	223235	912760	FALCK	415035	914235	ESSIC	472299	9168LPD	JN-MN	472070
912399	WILYS	340797	912760	FALCK	475845!	914281	ESSIC	417354!	9168LUP	JN-MN	472070
91240	C-R	55532=	912761	FALCK	416888!	9142SS	JN-MN	471224	9169	FULLE	240731
91249-PY3-003	ACURA	221820	912763	FALCK	416107!	9143LUP	JN-MN	457294*	916968	WILYS	473459
912540	FALCK	471821!	912776	FALCK	412473!	9144LPD	JN-MN	413247!	917015001	CLARK	471344
912540	MIX	471821!	912782	FALCK	416666	9144LUP	JN-MN	413247!	917032	WILYS	240816
912541	FALCK	50266	912791	FALCK	416556!	91474	AM WH	416107!	9170LPD	JN-MN	416888!
912541	MIX	50266	912791	FALCK	472157	91474	AM WH	455073	9170LUP	JN-MN	416888!
912542	MIX	413247!	912794	FALCK	413247!	91474	CHRYSL	471413!	9171LPD	JN-MN	471887
912543	FALCK	417159	912795	FALCK	415498	914802	WILYS	6465	9171LUP	JN-MN	471887
912543	MIX	417159	912796	FALCK	415150!	914971	WILYS	340210	9175976	GMC	415995!
912544	FALCK	415498	912810	FALCK	411245!	914972	WILYS	471341!	9178S	TIMKE	9178S
912544	MIX	415498	912811	FALCK	417967!	9149LPD	JN-MN	411394!	91807XX	TIMKE	9X18X7
912545	FALCK	455037	912818	FALCK	416888!	9149LUP	JN-MN	411394!	918083	WILYS	472015!
912545	MIX	455037	912820	FALCK	476470	915005C1	SOLAR	472179	9180LPD	JN-MN	450177*
912546	FALCK	415138!	912822	FALCK	415379	9150S	TIMKE	9150S	9180LUP	JN-MN	450177
912546	MIX	415138!	912822	FALCK	415379!	9151994	GMC	415437!	9181LUP	JN-MN	3395!
912547	FALCK	416107!	912823	FALCK	416107!	9151994	GMC	415437	9181LUP	JN-MN	352444
912547	FALCK	455073	912823	FALCK	455073	9151LPD	JN-MN	415041	9182LPD	JN-MN	415995!
912547	MIX	416107!	912824	FALCK	416865!	9151LUP	JN-MN	415041	9182LUP	JN-MN	415995!
912547	MIX	455073	912826	FALCK	472397!	9152466	GMC	412861	918405	AMC	415960
912548	FALCK	417210!	912827	FALCK	417603!	915263	WILYS	472164!	918405	WILYS	415960!
912549	FALCK	417606	912828	FALCK	415871	915263X	WILYS	472164!	918579C1	SOLAR	472397!
91255-273-000	ACURA	1172	912829	FALCK	415995!	915264	WILYS	415991	9186LUP	JN-MN	471647
91255-SL0-000	ACURA	710293	912830	FALCK	415991	915264	WILYS	455146!	91870273	SOLAR	471413!
912550	FALCK	415077	912830	FALCK	415991!	915264X	WILYS	415991	918702C1	SOLAR	471413!
912551	FALCK	416229	912831	FALCK	417254	915264X	WILYS	455146!	9187258	GMC	415995!
912553	FALCK	415219	912832	FALCK	415294!	9152781	GMC	415991	918741	WILYS	470088
912554	FALCK	417604	912833	FALCK	416239!	9152781	GMC	415991!	9187LPD	JN-MN	471619!
912557	FALCK	471138!	912834	FALCK	455121	9152LPD	JN-MN	471564	9187LUP	JN-MN	471619!
912558	FALCK	417350!	912839	FALCK	417600	9152LUP	JN-MN	471564	9188401	GMC	416102
912559	FALCK	415234!	912840	FALCK	417158!	9153174	GMC	455584	9188402	GMC	8724S
912560	FALCK	473238	9128434	GMC	471270!	9153476	GMC	343185	9188LPD	JN-MN	415302*
912561	FALCK	455079!	912846	FALCK	415001!	9153486	GMC	473215!	9188LUP	JN-MN	415302
912562	FALCK	410102	912848	FALCK	415867	915496	CHRYSL	6077	9189LPD	JN-MN	472572!
912573	FALCK	416313	912849	FALCK	473230!	915497	CHRYSL	416273!	9189LUP	JN-MN	472572!
9125880	GMC	417262!	9128S	TIMKE	9128S	915499	CHRYSL	417485	919084C1	SOLAR	471619!
912596	FALCK	417191	9129717	GMC	416158	915561	CHRYSL	470954	91909	IH	470712!
912596	FALCK	455165!	912978	FALCK	417357	9156004	GMC	416921!	9190LPD	JN-MN	473240!*
912599	FALCK	470328	9129S	MINNM	473467	9156005	GMC	415284	9190LUP	JN-MN	473240!
912599	FALCK	481213!	913	SPICE	473215!	9156020	GMC	473243	9190N	NATL	3604
91260-SK7-013	ACURA	710158	913094	IVECO	713094	915664	WILYS	2064	919250	CHRYSL	3210
91260-SK7-014	ACURA	710158	91331	IH	473225!	9158953	GMC	40401	919277	CHRYSL	493291
91260-SL0-004	ACURA	710160	91352	TMTR	471267!	9159LPD	JN-MN	417273	919317	AMC	7245
91260-SL5-003	ACURA	710301	913580	C-R	55218=	9159LUP	JN-MN	417273	919317	WILYS	7245
91260-SL5-004	ACURA	710301	913720	C-R	417598	9160997	GMC	417343!	919345	CATER	417598
91260-SL5-005	ACURA	710301	913720M1	C-R	417598	9161	TIMKE	9161	9193LPD	JN-MN	417490*
91260-SR3-003	ACURA	710300	9137291	GMC	471689!	916115	MICH	417606	9193LUP	JN-MN	417490
91260-SR3-004	ACURA	710300	9137381	GMC	415991	9161150	UNIVE	417606	9195848	GMC	455655!
912603	FALCK	471652	913763	CHRYSL	455079!	9161942	GMC	416921!	9195902	EUCLD	416383
912603	MIX	471652	91377	CHRYSL	240009	9162X	SPG	8594S	9195902	GMC	416383
91262-SH3-000	ACURA	710159	91378	CHRYSL	471424!	916380	WILYS	471766	919607	WILYS	6808N
91262-SH3-003	ACURA	710159	91384749	GMC	473179	916401	CABOT	415294!	91D1175	FORD	410987!
91262-SL5-003	ACURA	1213N	914	UNIVE	55224=	916402	CABOT	417205!	91T119	KELSE	5924
91262-SL5-004	ACURA	1213N	9140040	GMC	473227	916463-2	SPICE	415483!	91T1190	FORD	5924
91262-SP0-003	ACURA	1180	914005	ESSIC	471529	9164631	SPICE	413246	91T1190	KELSE	5924
91262-SP0-004	ACURA	1180	9140112	GMC	455249!	9164S	SPG	473234!	91X6113	GARLK	254270
912628	FALCK	472193!	914023	ESSIC	471787	9165LPD	JN-MN	416666	91X6279	GARLK	340817
912677	FALCK	416229	914035	ESSIC	470059	9165LUP	JN-MN	416666	91X9518	GARLK	441130
912682	FALCK	450165	914035	ESSIC	470380!	916642	CABOT	417344!	91X9722	GARLK	340136
912682	FALCK	471801!	914043	ESSIC	471504!	916649	CABOT	476470	92007	MCCOR	5751
91270	C-R	55218=	914049	ESSIC	472572!	916650	CABOT	472179	920110	LUF	471647
912713R91	IH	6808N	914060	ESSIC	471341!	916651	CABOT	415995!	920116	MICH	55222=
912735	FALCK	415219	914099	ESSIC	240816	916654	CABOT	415991	9201162	UNIVE	55222=
912741	FALCK	415991	9141	HYST	450084!	916654	CABOT	415991!	920140	LUF	471766!
912741	FALCK	415991!	914154	ESSIC	473460	916655	CABOT	472439	92017	MCCOR	455249!
912748	C-R	473367!	914167	CHRYSL	473457!	916656	CABOT	415034!	92022	MCCOR	415035
912748	FALCK	473367!	9142002	GMC	416077	916657	CABOT	415725!	92022	MCCOR	415035!

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
92025	MCCOR	415196!	92098	MCCOR	415187	92155	MCCOR	455547	922409	CHRY	470774!
92026	MCCOR	415034!	92099	MCCOR	417356!	92158	MCCOR	455472 =	9224454	GMC	472397!
92027	MCCOR	416345!	92099	MCCOR	455188	921584	CHRY	410987!	92245	WHITE	50528
92027	MCCOR	455033	9209BPD	JN-MN	455584	921584	GMC	410987!	922474R91	IH	410825
92028	MCCOR	455022	92100	MCCOR	417357	92159	MCCOR	417494	9228A	C-R	455151
92029	MCCOR	455134!	92100	MCCOR	455192!	921599	MIX	470328	92298	CHRY	412119
92030	MCCOR	415027	9210010	COC	472258!	921599	MIX	481213!	9234	ALLCH	471570!
92032	MCCOR	5871	9210010	WHITE	472258!	9216177	GMC	472439	9234555	GMC	416107!
92033	MCCOR	415437	9210080	COC	471231!	92162	MCCOR	55236	9235	C-R	340787
920330	LUF	417316!	9210080	WHITE	471231!	92163	MCCOR	415711	9235168	EUCLD	415035!
9203928	GMC	40360S!	9210090	COC	471192	92166	MCCOR	415437	9235168	GMC	415035!
920400	LUF	476470!	9210090	MINNM	471192	92168	MCCOR	6638S	9235169	EUCLD	470530!
920400	LUF	476470!	9210090	WHITE	471192	92170	MCCOR	417353!	9235169	GMC	470530!
92041	MCCOR	415437	92101	MCCOR	472157!	92171	MCCOR	415379	9235444	GMC	J1107
92041	MCCOR	415437!	92101	MCCOR	472157	92172	MCCOR	417211!	9235446	IH	J1128
92042	MCCOR	415023	92101-0002	WHITE	HU024A	92173	MCCOR	455191	923561C1	GM	471341
92048	MCCOR	6077	92101-0005	WHITE	HU149A	92174	MCCOR	415035	9237R	JN-MN	470954!
92050	WHITE	415960!	92101-0006	WHITE	HU149A	92175	MCCOR	6612S	923896	WILYS	473229
92059	MCCOR	415023	92101-0007	WHITE	HU149A	92176	MCCOR	6644	92390	WHITE	415001!
9205LPD	JN-MN	415025*	92101-0008	WHITE	HU149A	92180	MCCOR	416888!	924	CALI	415219
9205LUP	JN-MN	415025	92101-5015	VOLWH	HU009A	92182	MCCOR	417355!	9240	CALI	415219
92064	CHRY	472924!	9210120	COC	411394!	92182	MCCOR	485497	92407XX	TIMKE	9X24X7
92065	CHRY	471466!	9210120X	COC	411394!	92185	MCCOR	6855N =	9240LPD	JN-MN	470954!
9206599	GMC	472016	921015C1	IH	472924!	92186	MCCOR	6864S	9240LUP	JN-MN	470954!
9206601	GMC	415137!	92101S	MCCOR	472157	92189	MCCOR	417210!	9241134	GMC	471652
9206601	GMC	418028	92102	MCCOR	416888!	9218LPD	JN-MN	473473	924117	MICH	55223 =
9206856	EUCLD	473243	92102-0001	WHITE	730149	9218LUP	JN-MN	473473	9241175	UNIVE	55223 =
9206856	GMC	473243	921030001	WHITE	B300	92190	MCCOR	455019!	9241256	EUCLD	415938
9206858	EUCLD	417343!	92104	MCCOR	415263	92191	MCCOR	417354!	9241256	GMC	415938
9206858	GMC	417343!	92105	MCCOR	55353	92192	MCCOR	417493	9243	C-R	340787
9206860	GMC	8427 =	92106	MCCOR	415394	92193	MCCOR	417495	9243143	EUCLD	471341!
9207074	GMC	416102	92107	MCCOR	415437	9219362	EUCLD	416158	9243143	GMC	471341!
9207290	EUCLD	415035	92107207	COC	418028!	9219362	GMC	416158	9244	C-R	471015!
9207290	GMC	415035	92107407	COC	200354	92194	MCCOR	327303!	924432	CHRY	480630!
9207290	GMC	475845!	9210750	WHITE	472185!	92195	MCCOR	455858	9244604	EUCLD	416798 =
920748X1	IH	415938	92107507	COC	472185!	92196	MCCOR	415379	9244604	GMC	416798 =
92076	MCCOR	415036	9210950	WHITE	473215!	92197	MCCOR	415379	924635	CHRY	5M544
92077	MCCOR	416891!	9210969	GMC	8724S	92198	MCCOR	415379!	925	CALI	416154!
9207726	GMC	415052	9211020	WHITE	416888!	92198	MCCOR	415379	9250	CALI	416154!
9207727	GMC	8996S =	9211080	WHITE	471763	92199	MCCOR	45187S	9251463	GMC	40389S
92078	MCCOR	417205!	9211347	GMC	415146!	9219LPD	JN-MN	471255!	925172R91	IH	370007A
9207835	EUCLD	417602!	9211347	GMC	415991	9219LUP	JN-MN	471255!	925173R91	IH	370007A
9207835	GMC	417602!	92114	WHITE	473238	922	SUL	416153!	925180	WILYS	8430S
9207895	GMC	415938	9212	TMTR	40071S	92200	MCCOR	55646 =	92535	C-R	415219
92079	MCCOR	415035	9212013A	HARWA	92X120X13	92201	MCCOR	6592S =	92536	C-R	415219*
92081	MCCOR	415021	92122	MCCOR	415142	922034R91	IH	471271!	92540	C-R	415219
92082	MCCOR	415025	92125	MCCOR	417210!	92204	MCCOR	455134	92541	C-R	415219
92083	MCCOR	455026	92126	MCCOR	417355!	92205	AM WH	456105	92541	CHRY	470954
9208350	GMC	417344!	92127	MCCOR	455189	92205	MCCOR	455194	92542	C-R	415219
9208384	GMC	415284	92128	MCCOR	55199 =	92206	MCCOR	2055	92542	WHITE	472394
92084	MCCOR	415027	9212SS	JN-MN	330699	92207XX	TIMKE	9X22X7	92550	C-R	415219
92084	MCCOR	415027!	9213	TMTR	473215!	92208	MCCOR	370015A	92551	C-R	415219*
9208405	EUCLD	416921!	92130	MCCOR	7208S	92209	MCCOR	416891!	9255535	TERX	416394
9208405	GMC	416921!	92131	MCCOR	6270	92210	MCCOR	415036	9256047	GMC	416100 =
92085	MCCOR	55028	92133	MCCOR	416556!	92211	MCCOR	7354N	9256879	GMC	412871!
9208522	GMC	415988	92133	MCCOR	472157	92214	MCCOR	412920	92570	C-R	8996S =
92086	MCCOR	416125!	92135	MCCOR	45031S	922140	WILYS	254270	9257386	GMC	416257
920860	LUF	415551	92136	MCCOR	415379	92216	MCCOR	7300S	92574	C-R	8996S =
92087	MCCOR	55030	92136	MCCOR	415379!	92217	MCCOR	415379!	92607XX	TIMKE	9X26X7
9208737	EUCLD	416381	92137	MCCOR	417498	92218	MCCOR	455037	9261	C-R	471571*
9208737	GMC	416381	92139	MCCOR	6465	92219	MCCOR	417513	926162	CHRY	471554!
92088	MCCOR	416339	92140	MCCOR	6465	92220	MCCOR	416888	92631	WHITE	416654!
92088	MCCOR	455031!	92142	MCCOR	455612 =	92221	MCCOR	416888	92648	WHITE	450467
92089	MCCOR	415036	921428C1	IH	472015!	92222	MCCOR	7692S	9266274	GMC	710015
92090	MCCOR	416891!	92145	MCCOR	417506	92223	MCCOR	415035	926633	CHRY	6597S
92091	MCCOR	415150!	9214517	GMC	416865!	92224	MCCOR	327303!	9266772	GMC	710018
92092	MCCOR	417196!	92146	MCCOR	455024	92225	MCCOR	455197N	926724	C-R	455406!
92093	MCCOR	416332!	92148	MCCOR	370002A	92225	WHITE	417487!	926724M1	C-R	455406!
92094	MCCOR	417205!	92149	MCCOR	455037	92225	WHITE	417487	926741	CHRY	471689!
92095	MCCOR	417504	92150	MCCOR	416130!	92226	MCCOR	335924N	9267525	GMC	710042
92096	MCCOR	417211!	92152	MCCOR	415295	92228	MCCOR	8549S	9267529	GMC	710011
92097	MCCOR	417967!	92155	MCCOR	415697!	922309	WOOL	455576!	92680	C-R	417600

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92680M1 C-R	417600	9302BJR SPG	473228	9342SS JN-MN	415035	93921 TMTR	473237!
92688 C-R	455475	9303 C-R	471571	934356 WILYS	416738!	939334 WILYS	410308!
9269316 GMC	710031	9304 C-R	471571	934356 WILYS	450096	939335 WILYS	410308!
927283 ALLCH	417474	9304 C-R	471571	9343SS JN-MN	453182	9394LPD JN-MN	471835!
927367 CHRYS	410308!	930428 ALLCH	476470	93441 WHITE	476470	9394LUP JN-MN	471835!
9273LPD JN-MN	471737*	930428 ALLCH	476470!	9344S TIMKE	9344S	939558C91 IH	415938
9273LUP JN-MN	471737	9304LUP JN-MN	416239!	9345LPD JN-MN	472397!	939570 NOK	112X140X13
92742 WHITE	472924!	930569C1 IH	417278	9345LUP JN-MN	472397!	9395LPD JN-MN	473236!*
9274473 GMC	417082	930570C1 IH	416039	9346 C-R	472951	9395LUP JN-MN	473236!
9276 C-R	471571*	9305LPD JN-MN	481397*	9346 C-R	474252	9396LPD JN-MN	473462
927645 WILYS	340413	9305LUP JN-MN	481397	9347 C-R	472951*	9396LUP JN-MN	473462
9276A C-R	472179	9306 C-R	471647*	9347 C-R	474252!	939734 AMC	416738!
9276LPD JN-MN	471705!	93068 WHITE	418028	9348 C-R	472951	939734 AMC	450096
9276LUP JN-MN	471705!	93068 WHITE	455137!	9348 C-R	474252	939734 WILYS	416738!
92774 WHITE	415960	9307 C-R	471647	934E CALI	416892!	939734 WILYS	450096
927888 ALLCH	473212!	930836 ALLCH	450084!	934J CALI	7354N	9397LPD JN-MN	450472!*
927889 ALLCH	471763	930838 ALLCH	417278	93506 AMC	240151	9397LUP JN-MN	450472!
927890 ALLCH	415023	93088 WHITE	418028	93515R91 IH	473238	9398LPD JN-MN	473243*
92794 WHITE	415960	93088 WHITE	455137!	93516R91 IH	470059	9398LUP JN-MN	473243
927946 ALLCH	473016!	93095 WHITE	471159	93516R91 IH	470380!	9399A C-R	417621=
927947 ALLCH	471424!	931030 ALLCH	471341!	93517R91 IH	470530!	9399LPD JN-MN	417349
927948 ALLCH	417349	93103001 ALLCH	471341!	93518 AMC	474278!	9399LUP JN-MN	417349
927965C1 IH	416888	931031 ALLCH	473423	93518R91 IH	411253!	93FF-6700-AA FORD	712103
92805801 ALLCH	417247!	93103101 ALLCH	473423	9351LPD JN-MN	417780	93X214 GARLK	471267!
928114 CHRYS	6127	931041 ALLCH	481181!	9351LUP JN-MN	417780	93X6113 GARLK	1049
928118 MICH	55224=	9310S MINNM	470530!	9356 EATON	417344!	93X6169 GARLK	471652
9281187 UNIVE	55224=	93113 REULD	474255	9356 TRUK	417344!	93X6171 GARLK	471692!
928283 ALLCH	472826!	93115 REULD	4714131	935612 WILYS	8676S	93X8887 GARLK	471413!
9283 C-R	471571*	93117 REULD	471835!	935735 EATON	712625	93ZT-3K169-A9A FORD	710443
928436 ALLCH	415854	93118 REULD	473224!	935797R91 IH	200885	93ZT-3K169-A9B FORD	710443
9284365 ALLCH	415854	93123 REULD	471141!	935869R92 IH	472185!	94001-0014 WHITE	370001A
92846201 ALLCH	487056=	931483 ALLCH	416282	9360LPD JN-MN	417598*	94001-0015 WHITE	370006A
928499 ALLCH	473211=	9314831 ALLCH	416282	9360LUP JN-MN	417598	94001-0016 WHITE	386025A
9286RRR SPG	6808N	931484 ALLCH	416664!	9361LPD JN-MN	416158	94001-0016 WHITE	416158
928704 CHRYS	415449!	9315031 ALLCH	472065=	9361LUP JN-MN	416158	94001-0017 WHITE	370023A
928813 ALLCH	481901=	931504 ALLCH	472324!	9362 C-R	472951	94001-0029 WHITE	370001A
928831 ALLCH	415150!	9316 TIMKE	9316	9362 C-R	474252	94001-0030 WHITE	370003A
928854 ALLCH	470774!	9316171 ALLCH	471835!	93625 SELAS	4148	94001-0032 WHITE	386025A
928855 ALLCH	415458!	931634 AMC	471504	9363 C-R	472951	94001-0032 WHITE	416158
92894 CATER	J1123	931856 ALLCH	417316=	9363 C-R	474252	94001-0034 WHITE	370003A
92894 TMTR	J1123	9318A C-R	417267	9363LPD JN-MN	470606!	94001-0038 WHITE	370048A
92895 CATER	412473!	9319LPD JN-MN	416271!	9363LUP JN-MN	470606!	94001-0038 WHITE	380048A
92895 TMTR	412473!	9319LUP JN-MN	416271!	9363S TIMKE	9363S	940010003 WHITE	370121A
928M6700B2A FORD	3771	93203 AM WH	416654!	9368LPD JN-MN	417351!	940010004 WHITE	370001A
928M6701B2A FORD	3772	93229 WHITE	455151	9368LUP JN-MN	417351!	940010006 WHITE	386025A
9290 C-R	471571	9323 C-R	471647*	9371 C-R	472951	940010006 WHITE	416158
9290LPD JN-MN	415327	93233 CINMI	471689!	9371 C-R	474252	940010007 WHITE	370120A
9291 C-R	471571	93234 CINMI	471570!	9372 C-R	472951	940010010 WHITE	370001A
929230 ALLCH	450463	93235 CINMI	471192	9372 C-R	474252	940010011 WHITE	370006A
9292LPD JN-MN	416657	93236 CINMI	471766!	9374LPD JN-MN	417073*	940010013 WHITE	370006A
929332 ALLCH	472018=	932407 WILYS	410308!	9374LUP JN-MN	417073	940010019 WHITE	370003A
929462 ALLCH	204013	932503 ALLCH	335924N	93750 C-R	415871	940010022 WHITE	370003A
9298 C-R	471571	93279 CHRYS	410308!	93751 C-R	415871*	940010028 WHITE	370003A
92999 C-R	470954!	9327A C-R	470334!	93756 C-R	415871	94001006 WHITE	386025A
92TM6701A1A FORD	473573	932887 ALLCH	442380	9376 TIMKE	9376	94001006 WHITE	416158
92TM6701A2A FORD	473573	932892 ALLCH	443527* =	9377 CHAMP	341022	940013602 WHITE	370005A
92X12013XX TIMKE	92X120X13	932976 ALLCH	473441	93801 CATER	J1137=	9400LPD JN-MN	417273*
92X120X13 SIMRT	92X120X13	9330 C-R	471647	938031 AMC	482267	9400LUP JN-MN	417273
92X120X13SC TRSCM	92X120X13	933062 ALLCH	470898*	938031 WILYS	482267	9401LPD JN-MN	417780*
92X120X13TC TRSCM	92X120X13	9331 C-R	471647	938151 AMC	8430S	9401LUP JN-MN	417780
92X213 GARLK	471267!	933118 ALLCH	473212!	938151 AMGEN	8430S	94020129 GMC	474133
92X6100 GARLK	471760	93333R91 IH	418028	938151 WILYS	8430S	94020130 GMC	1987
92X6113 GARLK	1049	933349 ALLCH	417621!	93823 CATER	471737	94020131 GMC	1990
92X6169 GARLK	471652	93336R91 IH	415991!	93823 TMTR	471737	94020258 GMC	1949
92X7518 GARLK	471766!	93336R91 IH	415991	93824 CATER	416557	94020262 GMC	225020
92X7521 GARLK	6668S	933645 ALLCH	470565!	9387 C-R	472951	94020262 GMC	50X68X8!
92X9502 GARLK	6863S!	9339 C-R	471647	9387 C-R	474252	94021237 GMC	473812
92X9509 GARLK	471264!	9339LPD JN-MN	471643!	938728 C-R	455121	94021238 GMC	473179!
92X9515 GARLK	471267!	9339LUP JN-MN	471643!	938728M1 C-R	455121	94022595 GMC	1945
92X9528 GARLK	6668S	9339S TIMKE	9339S	938963C1 IH	417254	94022595 GMC	228480
92X9530 GARLK	472213	934 CALI	415036	938964C1 IH	415551	94024633 GMC	1990
93020 GROVE	416891!	934023TD0 SPG	934023	93921 CATER	473237!	94025810 GMC	710440

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
94026324	GMC	1945	941664	WILYS	482208!	944030	UNIT	415483!	9483LPD	JN-MN	473228!
94026324	GMC	228480	9418LPD	JN-MN	415425	944031	UNIT	415960!	9483LUP	JN-MN	473228
94027655	GMC	710201	941907R1	IH	6403=	944033	UNIT	470898!	94840006	GMC	1987
940276555	GMC	710057	94214912	GMC	224025	944035	UNIT	471649!	94840023	GMC	227045
94027751	GMC	413818	94214913	GMC	710060	944037	UNIT	476470	94840076	GMC	223235
94028351	GMC	224045	94215220	GMC	1981	944038	UNIT	415449!	94840381	GMC	1180
94029129	GMC	710167	94216107	GMC	1174	94403D	UNIT	415483!	94840381	GMC	41X55X7!
94029584	GMC	222860	94216107	GMC	710309	94404	UNIT	417349	94840436	GMC	710156
9402LPD	JN-MN	415034!	9421LPD	JN-MN	450398	944041	UNIT	416891!	94840471	GMC	710154
9402LUP	JN-MN	415034!	9421LPD	JN-MN	471267!	944044	UNIT	455194	94840476	GMC	710155
94030585	GMC	712005	9421LUP	JN-MN	450398	94405	UNIT	472319	94840505	GMC	221510
94034121	GMC	710087	9421LUP	JN-MN	471267!	944050	UNIT	415991	94840623	GMC	320603
94034122	GMC	710085	9422 FULLE		417316!	944050	UNIT	455146!	94840624	GMC	710110
94034131	GMC	710088	94223026	GMC	1987	944051	UNIT	415995!	94840652	GMC	223831
94039516	GMC	710086	94224713	GMC	1949	944052	UNIT	415023	94840654	GMC	5696
94043754	GMC	710080	9422LPD	JN-MN	415991	944059	UNIT	415645!	94840770	GMC	1015N
94047451	GMC	710090	9422LPD	JN-MN	455146!	944059	UNIT	455104	94840869	GMC	221207
94047499	GMC	710084	9422LUP	JN-MN	415991	94406	UNIT	473215!	94841023	GMC	710110
94049996	GMC	710089	9422LUP	JN-MN	455146!	944060	UNIT	417539!	94841823	GMC	320603
94051420	GMC	3476	94238096	GMC	470380!	944061	UNIT	415294!	94843040	GM	422
94054640	GMC	710090	94238096	GMC	472189A!	944064	UNIT	415551	94843981	GMC	1180
940555	AMC	472560N	9423LPD	JN-MN	471795	94407	UNIT	415034!	94843981	GMC	41X55X7!
94055826	GMC	710350	9423LUP	JN-MN	471795	944070	UNIT	450400	94845317	GMC	1180
94057307	GMC	710084	94240603	GMC	710167	94407711	GMC	710168	94846026	GMC	710110
94057308	GMC	710089	94240929	GMC	222220	944078	UNIT	455203	94846072	GMC	710109
94061761	GMC	710088	94248117	GMC	474230	94408	UNIT	473439!	94846345	GMC	4898
94068R91	IH	340413	94249521	GMC	222835	944080	UNIT	417539!	94847440	GMC	5696
94069R91	IH	340787	94249521	GMC	28X44X6!	94408083	GMC	710268	94847441	GMC	1993
9406S	TIMKE	9406S	94251171	GMC	1217	944081	UNIT	417603!	94850395	GMC	223235
94070R91	IH	472311!	94253509	GMC	3667	944084	UNIT	470898	94850807	GMC	1987
94071R91	IH	240151	94257	CHRY	9376	94409	UNIT	417514	94851798	GMC	227045
94072R91	IH	240356	94258894	GMC	710377	9441	FULLE	450084!	94851892	GMC	710109
94073R91	IH	323138!	9425SS	JN-MN	416892!*	944102	UNIT	470954!	94851936	GMC	5696
94074R91	IH	474276!	942635	CLARK	471526!	94411	UNIT	417601	94851937	GMC	4898
94075R91	IH	450400	94267	CHRY	7188S	944112	UNIT	450965	94852835	GMC	222630
94076R91	IH	340413	9427S	SPG	6592S=	944116	UNIT	416865!	94854705	GM	35292
94076R92	IH	340413	9428 FULLE		417316!	94412	UNIT	416888!	94854723	GMC	710412
94077R91	IH	340787	942901	AMC	9344S	944125	UNIT	417541	94856492	GMC	5696
94078R91	IH	240414	942901	WILYS	9344S	944128	UNIT	200110	948609	AMC	416738!
94079R91	IH	472560N	94294413	BUC-E	416167!	94413	UNIT	416339	948609	WILYS	416738!
9408	C-R	450039	94326441	GMC	1990	94413	UNIT	455031!	9487	TIMKE	9487
94080R91	IH	240356	94327062	GMC	1981	944130	UNIT	417191	9488LPD	JN-MN	416921!
94081R91	IH	6597S	94327063	GMC	228700	944130	UNIT	455165!	9488LUP	JN-MN	416921!
94082R91	IH	474276!	94334860	GMC	223220	944131	UNIT	455194	9495C	DIA	410737!
94083R91	IH	450400	94336316	GMC	710080	94414	UNIT	417602!	9495CX	DIA	410737!
9409	C-R	450039*	94339	CHRY	353135	94443	CHRY	471827	94RU-1123	MACK	730149
94099457	GMC	710085	94339	CHRY	474278!	94450127	GMC	1012N	94RU-19309	MACK	730004
9409LPD	JN-MN	413247!	943661	AMC	475384	94459593	GMC	710098	94RU-262	MACK	730003
9409LUP	JN-MN	413247!	94367958	GMC	710080	9445LPD	JN-MN	471821!	94RU-263	MACK	733067
94101493	GMC	710081	94367960	GMC	710081	9445LUP	JN-MN	471821!	94RU-263P1	MACK	733067
94108633	GMC	710098	943710	AMC	416282	9445S	SPG	9449	94RU-263P2	MACK	730149
94108663	GMC	225010	943710	WILYS	416282	94464555	GMC	710192	94RU-264	MACK	730006
9410LPD	JN-MN	415027!	94373765	GMC	710390	94475250	GMC	1953	94RU-265	MACK	730005
9410LPD	JN-MN	415027	94379067	GMC	222835	94482157	GMC	224052	94RU-266	MACK	730019
9410LUP	JN-MN	415027!	94380745	GMC	221620	9449	TIMKE	9449	94RU-267	MACK	730006
9410LUP	JN-MN	415027	94380745	GMC	221720	94495	C-R	240X270X15!	94RU-278	MACK	730026
9411	C-R	222430	94383	AM WH	472636!	94495	C-R	240X270X16!	94TM-6701-A1A	FORD	473573
94111750	GMC	228480	94397	AM WH	471255!	9450	C-R	450039	94X215	GARLK	471570!
9411750	GMC	228480	94399R91	IH	415085!	9450	FULLE	412119!	94X287	GARLK	471224!
94124173	GMC	223220	94399R91	IH	456648	9452LPD	JN-MN	412871!	94X359	GARLK	471763
94129884	GMC	228700	94400	UNIT	456105	9454LPD	JN-MN	473225!	94X4600	GARLK	474256
941322	CLARK	40067S=	94401	UNIT	415035	9454LUP	JN-MN	473225!	94X5051	GARLK	471276
94140686	GMC	710078	94401	UNIT	415035!	945702	AMC	40769S	94X6176	GARLK	473259
94144455	GMC	221735	944015	UNIT	472636!	945710	AMC	9316	94X6282	GARLK	476511=
94144614	GMC	1174	94402	UNIT	472157!	9460LPD	JN-MN	471692!	94X6329	GARLK	476519=
94144614	GMC	38X52X8.5!	94402	UNIT	472157	9460LUP	JN-MN	471692!	94X6486	GARLK	476510=
94145906	GMC	710243	944024	UNIT	471466!	9464A	C-R	471255!	94X6557	GARLK	471379
94146205	GMC	1012N	944026	UNIT	471570!	94658170	GMC	710237	94X6639	GARLK	473197
9415C	DIA	470565!	944027	UNIT	415001!	9465A	C-R	471255!	94X6738	GARLK	472239
9415LPD	JN-MN	471267!	944028	UNIT	450639	94660	C-R	710800	94X7033	GARLK	470954!
9415LUP	JN-MN	471267!	944029	UNIT	415295	947RC	SUL	471649!	94X7198	GARLK	472237=
941664	WILYS	471652	94403	UNIT	450279	94804	CHRY	7412S	94X760	GARLK	473231!

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
94X8005	GARLK	476512	95080	C-R	417601	953040	CLARK	473438	95836	SPG	415995!
94X89	GARLK	471264!	95080	MCCOR	415725!	953043	CLARK	450084!	95836	SPG	415995!
94X96	GARLK	471612	95080M1	C-R	417601	953044	CLARK	473460	9584	NATL	370047A
9500	C-R	222410	95081	C-R	9555S	953045	CLARK	415302	9584	TIMKE	9584
9500	C-R	24X35X7!	95081	MCCOR	416163	953046	CLARK	416921!	9587LPD	JN-MN	416125!
95003	MCCOR	417278	95082	MCCOR	6635S	953047	CLARK	417539!	9587LUP	JN-MN	416125!
95005	MCCOR	417537	95084	MCCOR	6643S	953048	CLARK	415551	958A4	WHITE	408
95006	MCCOR	415041	95086	MCCOR	417252	953053	CLARK	470050	9590LPD	JN-MN	415060
95006	SPG	417344!	95087	MCCOR	75251S	95307	AM WH	415449!	9590LPD	JN-MN	455060
95011	MCCOR	370036A	95089	MCCOR	415060	9530LPD	JN-MN	415725!	9590LUP	JN-MN	415060
95012	MCCOR	417516	95089	MCCOR	455060	9530LUP	JN-MN	415725!	9590LUP	JN-MN	455060
95013	MCCOR	417223	9508A	C-R	7208S	9533	C-R	24X42X7	9591LPD	JN-MN	455612=
95019	MCCOR	415351!	95090	MCCOR	417548	95357	EATON	370023A	9591LUP	JN-MN	455612=
9502	C-R	24X36X7V	95091	MCCOR	415064	9537	FULLE	240733	959308R1	IH	6590S
95022	MCCOR	5M544	95094	MCCOR	416892	9540	C-R	24X45X8	959308R91	IH	6590S
95023	MCCOR	416865!	95094	SPG	416444	95401	SPG	416666	9596LPD	JN-MN	473241
95024	MCCOR	417514	95095	MCCOR	6872S	954014TX	SPG	954014T	9598	FULLE	474276!
95025	MCCOR	415045!	95096	MCCOR	417254	9541LPD	JN-MN	455151	9599S	TIMKE	9599S
95026	MCCOR	416892!	95098	MCCOR	417509	9541LUP	JN-MN	455151	95X11010XX	TIMKE	95X110X10
95028	MCCOR	415138!	95099	MCCOR	455290	9541RRR	SPG	7457N	95X110X10SC	TRSCM	95X110X10
95029	MCCOR	415058	95100	AM WH	471652	954216TD	SPG	954216T	95X110X10TC	TRSCM	95X110X10
95030	MCCOR	417238	95102	MCCOR	415284	9542LPD	JN-MN	455022*	95X11512XX	TIMKE	95X115X12
95031	MCCOR	415060	95103	MCCOR	370005A	9542LUP	JN-MN	455022	95X115X12	SIMRT	95X115X12
95031	MCCOR	455060	95104	MCCOR	455956H	9543LPD	JN-MN	416654!	95X115X12SC	TRSCM	95X115X12
95032	MCCOR	415066	95105	MCCOR	5487	9543LUP	JN-MN	416654!	95X115X12TC	TRSCM	95X115X12
95033	MCCOR	456890	95106	MCCOR	355200	9545LPD	JN-MN	417238	95X12012XX	TIMKE	95X120X12
95034	MCCOR	417269!	95106	MCCOR	416888!	9545LUP	JN-MN	417238	95X120X12SC	TRSCM	95X120X12
95035	MCCOR	417273	95107	MCCOR	416865	954631	SPICE	417356!	95X120X12TC	TRSCM	95X120X12
95036	MCCOR	416865!	9510LPD	JN-MN	415034!	954631	SPICE	455188	95X12512XX	TIMKE	95X125X12
95037	MCCOR	417546!	9510LUP	JN-MN	415034!	9546LPD	JN-MN	470565!*	95X125X12	SIMRT	95X125X12
95038	MCCOR	416167!	95111	MCCOR	417520	9546LUP	JN-MN	470565!	95X125X12SC	TRSCM	95X125X12
95039	MCCOR	415645!	9511513B	HARWA	95X115X12	9547LPD	JN-MN	476470	95X125X12TC	TRSCM	95X125X12
95039	MCCOR	455104	95118	MCCOR	7866S	9547LUP	JN-MN	476470	95X13012XX	TIMKE	95X130X12
9503SS	JN-MN	471535!*	9511LPD	JN-MN	472475*	9548LPD	JN-MN	417362!	95X130X12SC	TRSCM	95X130X12!
9504	C-R	24X37X8	9511LUP	JN-MN	472475	9548LUP	JN-MN	417362!	95X130X12TC	TRSCM	95X130X12!
95040	MCCOR	416154!	9512512B	HARWA	95X125X12	9550	C-R	24X46X8	9600LPD	JN-MN	417273*
95041	MCCOR	417539!	9512512C	HARWA	95X125X12	9550LPD	JN-MN	472439*	9600LUP	JN-MN	417273
95042	MCCOR	416153!	9512513B	HARWA	95X125X12	9550LUP	JN-MN	472439	9600S	TIMKE	9600S
95043	MCCOR	417538	951292	CLARK	473473	955497R91	IH	455079!	96014416	GMC	3459
95045	MCCOR	415371	951296	WILYS	340771	955498R91	IH	473463	96014877	GMC	223540
95045S	MCCOR	415371	9512LPD	JN-MN	455026*	95557R91	IH	470565!	96040460	GMC	223540
95046	MCCOR	415284	9512LUP	JN-MN	455026	9555S	TIMKE	9555S	96040528	GMC	8792S
95047	MCCOR	455402=	9514	C-R	222430	9556SSR	SPG	473234	96040762	GMC	710343
95048	MCCOR	417262!	95147	SPG	415449!	955776R1	IH	450400	960414R91	IH	6222
9505	C-R	24X38X7	9514LPD	JN-MN	415683	9558	C-R	24X47X7	96051409	GMC	222030
95050	C-R	417606	9514LUP	JN-MN	415683	9558LPD	JN-MN	471763	96051418	GMC	221510
95052	MCCOR	5M497	9515	C-R	222430	9558LUP	JN-MN	471763	96051419	GMC	222030
95052	OLIVE	471649!	9515	C-R	24X40X7!	955A4	WHITE	408	96051420	GMC	710310
95054	MCCOR	415047	9516	NATL	8705S	9560	C-R	24X47X7	96051421	GMC	710310
95056	MCCOR	417267	951644	BR-ST	471649!	95612	CHRYS	410308!	96051422	GMC	35X62X7!
95057	MCCOR	45637S	9517	C-R	24X40X6V	95612	CHRYS	473468	96051423	GMC	224462
95059N	MCCOR	415213N	95177	SPG	415379	9565	HYST	415027!	96051423	GMC	44X62X8!
95060	C-R	417606*	9520LPD	JN-MN	471760*	9565	HYST	415027	96051424	GMC	710334
95060	MCCOR	417525	9520LUP	JN-MN	471760	956666	CHRYS	410102	96053884	GMC	223830
95061	MCCOR	417247!	9521	C-R	222430	9568	TIMKE	9568	96054039	GMC	223540
95062	C-R	417606	95216	WHITE	417487	9569LPD	JN-MN	471466!	96054039	GMC	35X55X11!
95062	MCCOR	417507!	95223	OLIVE	345214=	9569LUP	JN-MN	471466!	9605414	GMC	710116
95062	MCCOR	417507	95226	CHRYS	471341!	9569S	TIMKE	9569S	96054141	GMC	221207
95063	MCCOR	456618	9523LPD	JN-MN	415021	9570	C-R	24X48X8	96054427	GMC	224462
95064	MCCOR	415043	9523LUP	JN-MN	415021	957160TD0	SPG	39821	96055290	GMC	710175
95065	MCCOR	55367=	952742	WAUKE	471787!	9575	C-R	24X50X8	96057738	GMC	224820
95066	MCCOR	455614	95294413	BUC-E	415001!	957522R91	IH	412027	96057740	GMC	223553
95068	MCCOR	417541	9530	C-R	24X42X8	9577A	C-R	415187	96057741	GMC	710523
95069	MCCOR	416070	953019R1	IH	470380!	957905	CHRYS	417351!	96057742	GMC	1213N
95070	MCCOR	415371	953024	CLARK	470898!	957E1190A	FORD	7381S	96057743	GMC	710239
95070	SPG	416865!	953029	CLARK	471785!	957E4233A	FORD	472492!	96057745	GMC	710193
95071	MCCOR	415284	953030	CLARK	471354!	957E4250A	FORD	470898	96057746	GMC	710256
95075	MCCOR	415284	953032	CLARK	450165	9580	C-R	24X52X7	96057747	GMC	710240
95076	MCCOR	455251H	953032	CLARK	471801!	9581	HYST	473444!	96057748	GMC	710255
95076S	MCCOR	455251H	953035	CLARK	471341!	9581156TA	TRSCM	417606	96059641	GMC	222580
95077	MCCOR	417518	953038	CLARK	415001!	95823R91	IH	470898	96059653	GMC	223540
95079	MCCOR	416158	953039	CLARK	473225!	95827	CHRYS	482163!	96059934	GMC	4904

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Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
96061234	GMC	710523	9654LPD	JN-MN	416476!	97009	CHRY	410059	9710	C-R	25X36X7
96061932	GMC	223552	9654LUP	JN-MN	416476!	97009	CHRY	470380!	971086R91	IH	8635S
96063564	GMC	221730	9656	C-R	471648	97009	MCCOR	416107!	9710LPD	JN-MN	470334!*
96065634	GMC	710334	96569	CHRY	7300S	97009	MCCOR	455073	9710LUP	JN-MN	470334!
96066239	GMC	221730	965744	CHRY	471689!	9701	C-R	222535	9711	C-R	25X35X7V
96066441	GMC	223552	9661	C-R	471648	97010	MCCOR	416239!	9711H	MINNM	470712
96066450	GMC	1213N	9661LPD	JN-MN	416865!	97011	MCCOR	417556	9712	C-R	25X42X10!
96066451	GMC	710286	9661LUP	JN-MN	416865!	97012	MCCOR	417563	9714	C-R	25X37X7*
9606816980	CHRY	224253	966238M1	MASSE	8020S	97013	MCCOR	417298	9714LPD	JN-MN	350974!
96068274	GMC	710310	9662LPD	JN-MN	416339	97014	MCCOR	415116	9715	C-R	320603
96069122	GMC	4904	9662LPD	JN-MN	455031!	97015	MCCOR	415551	9715LPD	JN-MN	415259!
9608	CLARK	415458!	9662LUP	JN-MN	416339	97016	MCCOR	455297	9715LUP	JN-MN	415259!
96101489	GMC	710399	9662LUP	JN-MN	455031!	97017	MCCOR	55316=	9716	C-R	25X37X5V
96101490	GMC	223606	9663	C-R	8059S	97017350	GMC	1990	9717	C-R	712007
96101490M	GMC	710399	9663LPD	JN-MN	417509*	97019	MCCOR	455375=	9717	EATON	350942
9611	C-R	481572V=	9663LUP	JN-MN	417509	97020	MCCOR	415447	9717	FULLE	350942
961125	BENDI	455310	9664	C-R	8059S	97023976	GMC	710081	9718	C-R	25X37X7!
9613	C-R	451583!	966446R91	IH	415458	97023977	GMC	710080	9718	C-R	320603
9613S	TIMKE	9613S	9664LPD	JN-MN	416154!	97024	MCCOR	415072	9719A	C-R	450415
9613SKO	SPG	9613S	9664LUP	JN-MN	416154!	97025	MCCOR	457874	9720	C-R	222535
9618	C-R	451583!*	9666	C-R	471688*	97025798	GMC	710194	9720	C-R	25X38X7!
9619	C-R	451583!*	9667	C-R	471688	97026	MCCOR	417600	9721	C-R	25X38X7V
962061	CHRY	416273!	96688	CHRY	471271!	97027	MCCOR	417601	9722A	C-R	476470
9622	C-R	6324S=	9670	C-R	471688*	97028	MCCOR	415090	9722H	MINNM	455189
962228	CHRY	473464	96713	WHITE	473228	97029	MCCOR	415124	9723	C-R	222535
962228	CHRY	473464!	96719	WHITE	5MR71	97029260	GMC	3543	972401R91	IH	370023A
962229	CHRY	480281!	967228R91	IH	415995!	9702C	DIA	473203	972408R91	IH	412473!
96245	C-R	55222=	96733	CHRY	470380!	9703	C-R	25X40X7V	972424R91	IH	417487!
96246HX	IH	7107A=	9674	C-R	471688	97031	MCCOR	417020	972424R91	IH	417487
962475	CHRY	471645	9675	C-R	471688	97031954	GMC	710114	9725	C-R	222540
9625	C-R	451583!	9675S	SPG	332062	97035	MCCOR	6245S=	9725	C-R	25X40X7!
96250	C-R	55222=	967610R91	IH	415449	97036	MCCOR	416394	9727	C-R	222540
96251	C-R	55222=	96783	WHITE	471689!	97037	MCCOR	415938	9727	C-R	25X40X7V!
9625LPD	JN-MN	471652	9679	C-R	471689	97038	MCCOR	55532=	9728	C-R	25X42X6*
9625LUP	JN-MN	471652	9680	C-R	450040	97039	MCCOR	455584	9728	C-R	25X42X8!
9626LPD	JN-MN	472144!	9681	C-R	450040*	97040	MCCOR	417555!	97281	HYST	450593!
9626LUP	JN-MN	472144!	968190-R1	IH	730003	97041	MCCOR	416239!	9729	C-R	222556
96290	C-R	416381	968191-R92	IH	HU036A	97042	MCCOR	417602!	9729	C-R	25X42X7V!
962919A	SPG	415001	9682	C-R	482309	97045	MCCOR	417602!	9729LPD	JN-MN	415379!
96294413	BUC-E	415047	96823R91	IH	470898	97048	MCCOR	6649	9729LPD	JN-MN	415379
9629LPD	JN-MN	415725!*	9683	C-R	450040	97049	MCCOR	455583N!	9729LUP	JN-MN	415379
9629LUP	JN-MN	415725!	9686LPD	JN-MN	412920!	9705	C-R	222510	9729LUP	JN-MN	415379!
963	PORTR	415090	9686LUP	JN-MN	412920!	9705	C-R	25X35X7!	972E-13	CLARK	472924!
9630	C-R	471224	9687	C-R	451082	97050	MCCOR	455121	972E-14	CLARK	415458!
9630LPD	JN-MN	481834	9688	C-R	482310	97051	MCCOR	417596	972E-16	CLARK	470530!
9634LPD	JN-MN	471466!	9688LPD	JN-MN	470625!	97051954	GMC	710114	972E-19	CLARK	40627S=
9634LUP	JN-MN	471466!	9688LUP	JN-MN	470625!	97053	MCCOR	455117	972E-21	CLARK	473464!
9635	C-R	471224	968908R91	IH	415984!	97054	MCCOR	417604	972E-21	CLARK	473464
96350161	GMC	223606	968939R91	IH	473229	97055	MCCOR	415871	972E-22	CLARK	472439
9636LUP	JN-MN	473232!	9690	C-R	450339	97057	MCCOR	416364!	972E-23	CLARK	473228
964030R91	IH	203025	969022	TRW	5690	97058	MCCOR	415077	972E-24	CLARK	45187S
964144TC	SPG	471689	9694SS	JN-MN	473238!	97059	MCCOR	417549!	972E-27	CLARK	471766!
9643	C-R	450545*	9695	C-R	222510*	9705LPD	JN-MN	417223	972E-33	CLARK	473228
9643	GARLK	340835	9698	CHAMP	471689!	9705LUP	JN-MN	417223	972E-6	CLARK	415458!
9643LPD	JN-MN	480630!	9698	DOMIN	471689!	9706	C-R	25X35X7V!	972E15	CLARK	473232!
9643LUP	JN-MN	480630!	96BM-6700-A6B	FORD	712141	9706	C-R	712007	972E17	CLARK	450129
964461M1	CHRY	450343	96BM-6701-A6B	FORD	712142	97060	MCCOR	455480!	972E17	CLARK	472826!
9645	C-R	471648*	96GX212	JOY	415034!	97061	MCCOR	55692=	972E18	CLARK	470682
9646	C-R	471648	96X7033	GARLK	470954!	97062	MCCOR	6897=	972E31	CLARK	473234
964871M1	CHRY	472185!	97-294413	BUC-E	415001!	97063	MCCOR	7006S	9730	C-R	25X42X10!*
964874M1	CHRY	471766!	97-463-39	DANA	415035	97064	MCCOR	415867	9730	C-R	25X42X8!
9649LPD	JN-MN	415142	9700	C-R	712018	97065	MCCOR	455583N!	9731	C-R	25X45X8
9649LUP	JN-MN	415142	97000	MCCOR	416476!	97066	MCCOR	417597	9732	C-R	222540
9650LPD	JN-MN	471785!	97001	CHRY	410059	97067	MCCOR	8996S=	9732	C-R	25X40X7!
9650LUP	JN-MN	471785!	97001	CHRY	470380!	97069	HYST	413246	9732LPD	JN-MN	417316!
9651	C-R	471648*	97001	MCCOR	416229	97072405	GMC	3543	9732LUP	JN-MN	417316!
9651LUP	JN-MN	470954!	97002	MCCOR	416229	9707LPD	JN-MN	455356	9733	C-R	25X40X7*
9652LPD	JN-MN	470530!	97003	MCCOR	416666	9707LUP	JN-MN	455356	9733	C-R	710316
9652LUP	JN-MN	470530!	97006	MCCOR	5M466	9708	C-R	222510	9733LPD	JN-MN	471276
965326	CHRY	471647	97007	MCCOR	476470	9708	C-R	25X35X7!	9733LUP	JN-MN	471276
9653LPD	JN-MN	472924!	97007S	MCCOR	476470	9709	C-R	222510	9734	C-R	25X45X8*
9653LUP	JN-MN	472924!	97008	MCCOR	415072	9709	C-R	712007	9735	C-R	25X45X8

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Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
9736 C-R	25X42X10		97540 MCCOR	5495		9797LPD JN-MN	417269!		97GX151 JOY	450033	
9736LPD JN-MN	471424!		97541 MCCOR	5472=		9797LUP JN-MN	417269!		97GX152 JOY	450033	
9736LUP JN-MN	471424!		97542 MCCOR	5499=		9799LPD JN-MN	471504!		97GX153 JOY	411253!	
97370 BENDI	471255!		97543 C-R	55078S		9799LUP JN-MN	471504!		97GX154 JOY	412920!	
97371 BENDI	471442!		97544 MCCOR	370003A		97GK179 JOY	417485		97GX155 JOY	455136	
9738 C-R	25X42X6		97545 C-R	55078S*		97GK29 JOY	415645!		97GX156 JOY	411376!	
9739 C-R	25X45X8		97546 MCCOR	417506		97GK29 JOY	455104		97GX157 JOY	410737!	
9740 C-R	25X46X7		97547 C-R	55223=		97GK32 JOY	473313		97GX158 JOY	410694!	
9742 C-R	25X42X8		97547 MCCOR	5320=		97GK33 JOY	415007		97GX159 JOY	411394!	
97423 CHRYS	481181!		9755 C-R	25X50X10*		97GK4 JOY	416666		97GX16 JOY	471766!	
9742A C-R	415035!		9755 C-R	25X50X8!		97GT-7052AA FORD	2655		97GX163 JOY	413247!	
9742A C-R	415035!		97550 C-R	55223=		97GX1 JOY	417563		97GX164 JOY	412119!	
9743LPD JN-MN	471231!		9755A C-R	417316!		97GX10 JOY	415058		97GX165 JOY	416271!	
9743LUP JN-MN	471231!		9756 C-R	25X50X10		97GX100 JOY	471736		97GX166 JOY	417073	
97448 CHRYS	9376		9758 C-R	25X52X7		97GX101 JOY	471750!		97GX167 JOY	411245!	
97449 CHRYS	9487		9760 C-R	25X52X7!		97GX102 JOY	471192		97GX17 JOY	415074	
9744LPD JN-MN	451583!		9761 C-R	25X52X7V		97GX103 JOY	473214		97GX171 JOY	470605!	
9744LUP JN-MN	451583!		9762 C-R	25X52X10		97GX104 JOY	473214		97GX172 JOY	470605!	
9745 C-R	25X47X7		9762LPD JN-MN	455178=		97GX105 JOY	470950!		97GX173 JOY	415449!	
974526R91 IH	5471		9762LUP JN-MN	455178=		97GX105 JOY	6241S		97GX174 JOY	455079!	
97461R91 IH	417316!		9763 C-R	25X52X7		97GX106 JOY	471820		97GX175 JOY	415082	
974631 SPICE	472015!		9764 C-R	25X52X8		97GX107 JOY	470625!		97GX177 JOY	415988	
974632 SPICE	472015		9764A C-R	416125!		97GX108 JOY	470625!		97GX178 JOY	415302	
9746326 SPICE	415995!		9764LPD JN-MN	417211!*		97GX109 JOY	470059		97GX179 JOY	417485	
9746332 SPICE	472015		9764LUP JN-MN	417211!		97GX109 JOY	470380!		97GX18 JOY	416339	
9746333 SPICE	3893V!		9765 C-R	25X54X8		97GX11 JOY	417487		97GX18 JOY	455031!	
9746333 SPICE	415379!		9766 C-R	25X50X10		97GX110 JOY	470059		97GX180 JOY	455005	
9747 C-R	222560		9767 C-R	25X45X8		97GX110 JOY	470380!		97GX181 JOY	417344!	
9747 C-R	25X47X7!		9770 C-R	25X55X8		97GX111 JOY	471821!		97GX182 JOY	417158!	
97474 CHRYS	472258!		9772056 GMC	7412S		97GX112 JOY	473229		97GX183 JOY	417344!	
97474 NPG	472258!		9772826 GMC	5073		97GX113 JOY	473229		97GX185 JOY	416654!	
9748 C-R	222560		9772831 GMC	5095		97GX114 JOY	470682		97GX186 JOY	417349	
9748 C-R	25X47X7!		97737HA IH	5MR1008		97GX115 JOY	473444		97GX187 JOY	417350!	
9749LPD JN-MN	55692=		9773R TIMKE	9773		97GX116 JOY	473236!		97GX188 JOY	417350!	
9749LUP JN-MN	55692=		9775 C-R	25X56X8		97GX117 JOY	474265		97GX189 JOY	417351!	
9750 C-R	25X48X8		9775113 GMC	8594S		97GX118 JOY	450068		97GX19 JOY	415064	
97501 MCCOR	5401		9775114 GMC	8594S		97GX119 JOY	471504!		97GX190 JOY	417487	
97503 MCCOR	5403		9775115 GMC	8594S		97GX12 JOY	456105		97GX191 JOY	417488!	
97505 MCCOR	5405		9776620 GMC	410059		97GX120 JOY	472179		97GX192 JOY	415995!	
97506 MCCOR	5406		9776620 GMC	470380!		97GX121 JOY	472179		97GX193 JOY	55155=	
97508 MCCOR	5408		9776624 GMC	7412S		97GX122 JOY	470334!		97GX195 JOY	417621!	
9750A C-R	471192		9778371 GMC	8940S		97GX123 JOY	473458!		97GX196 JOY	415021	
9750LPD JN-MN	417480!		9778372 GMC	8940S		97GX124 JOY	473239		97GX197 JOY	417490	
9750LUP JN-MN	417480!		9780 C-R	25X58X8		97GX125 JOY	471868		97GX198 JOY	417490	
9751 C-R	25X48X8		978016 HYST	473459		97GX126 JOY	472439		97GX199 JOY	455336	
97510 MCCOR	5410		9781063 GMC	471413!		97GX127 JOY	472572!		97GX2 JOY	417546!	
97513 MCCOR	5452		9782153 GMC	7399S!		97GX128 JOY	455117		97GX20 JOY	415045!	
975130 C-R	55239=		9782209 GMC	480844		97GX13 JOY	415035		97GX200 JOY	455336	
97514 MCCOR	5453		9782288 GMC	7399S!		97GX13 JOY	415035!		97GX201 JOY	418028	
97515 MCCOR	5458		9784286 GMC	2043		97GX130 JOY	473462		97GX201 JOY	455137!	
97517 MCCOR	370002A		9784508 GMC	2043		97GX131 JOY	472394		97GX202 JOY	418028	
97518 MCCOR	417506		9785 C-R	25X60X8		97GX132 JOY	472492!		97GX202 JOY	455137!	
9751LPD JN-MN	471271!		9787 C-R	25X62X7		97GX133 JOY	472492!		97GX203 JOY	476470	
9751LUP JN-MN	471271!		97871 CHRYS	410308!		97GX134 JOY	472397!		97GX205 JOY	417491	
9752 C-R	222558		97871 CHRYS	473468		97GX135 JOY	473242		97GX207 JOY	412473!	
97520 MCCOR	370019A		9787344 GMC	332062		97GX136 JOY	473463		97GX208 JOY	415437	
97521 MCCOR	370005A		9788739 GMC	8705S		97GX137 JOY	416738!		97GX21 JOY	416892!	
97523 MCCOR	5471		9789 C-R	25X62X7		97GX137 JOY	450096		97GX211 JOY	417211!	
97524 MCCOR	5473		9789LPD JN-MN	476838!		97GX138 JOY	450307		97GX213 JOY	417356!	
97525 MCCOR	5460		9789LUP JN-MN	476838!		97GX139 JOY	450532		97GX213 JOY	455188	
97529 MCCOR	417505		9790 C-R	25X62X10		97GX14 JOY	330385!		97GX214 JOY	415035	
9752LPD JN-MN	415991		9790LPD JN-MN	471271!		97GX140 JOY	473467		97GX214 JOY	415035!	
9752LPD JN-MN	455146!		9790LUP JN-MN	471271!		97GX142 JOY	472016		97GX215 JOY	417511	
9752LUP JN-MN	415991		9791 C-R	25X62X7V		97GX143 JOY	413469!		97GX216 JOY	417511	
9752LUP JN-MN	455146!		9793675 GMC	2043		97GX144 JOY	472015!		97GX218 JOY	417513	
97531 MCCOR	5462		9793685 GMC	2043		97GX145 JOY	473243		97GX219 JOY	472157!	
97533 MCCOR	5481		9794LPD JN-MN	455024		97GX146 JOY	470898		97GX219 JOY	472157	
97537 MCCOR	5487		9794LUP JN-MN	455024		97GX147 JOY	472015!		97GX22 JOY	455024	
97538 MCCOR	5589		9795 C-R	222580		97GX148 JOY	473245!		97GX220 JOY	472157!	
97539 MCCOR	5494		9795 C-R	25X62X10!		97GX149 JOY	471272!		97GX220 JOY	472157	
9754 C-R	25X50X10V		97955 HYST	472287!		97GX15 JOY	455008		97GX221 JOY	416891!	
97540 C-R	55239=		9795641 GMC	292594		97GX150 JOY	471138!		97GX222 JOY	416137	

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
97GX226 JOY		415196!	97GX88 JOY		471648	97KX15 JOY		455008	97KX226 JOY		415196!
97GX227 JOY		416888!	97GX89 JOY		471224!	97KX150 JOY		471138!	97KX227 JOY		416888!
97GX228 JOY		417532	97GX9 JOY		415027	97KX153 JOY		411253!	97KX228 JOY		417532
97GX229 JOY		416154!	97GX9 JOY		415027!	97KX154 JOY		412920!	97KX229 JOY		416154!
97GX23 JOY		412119!	97GX90 JOY		471649!	97KX155 JOY		455136	97KX23 JOY		412119!
97GX230 JOY		417532	97GX91 JOY		471224!	97KX156 JOY		411376!	97KX230 JOY		417532
97GX231 JOY		415371	97GX92 JOY		481650	97KX157 JOY		410737!	97KX231 JOY		415371
97GX232 JOY		417535	97GX93 JOY		471835!	97KX158 JOY		410694!	97KX232 JOY		417535
97GX233 JOY		415138!	97GX94 JOY		471763	97KX159 JOY		411394!	97KX233 JOY		415138!
97GX235 JOY		415725!	97GX95 JOY		476838!	97KX16 JOY		471766!	97KX235 JOY		415725!
97GX236 JOY		417278	97GX96 JOY		470712!	97KX163 JOY		413247!	97KX236 JOY		417278
97GX237 JOY		417542	97GX97 JOY		471692!	97KX164 JOY		412119!	97KX237 JOY		417542
97GX24 JOY		471765!	97GX98 JOY		471692!	97KX165 JOY		416271!	97KX24 JOY		471765!
97GX241 JOY		417262!	97GX99 JOY		471785!	97KX166 JOY		417073	97KX241 JOY		417262!
97GX246 JOY		415072	97KX1 JOY		417563	97KX167 JOY		411245!	97KX246 JOY		415072
97GX249 JOY		455480!	97KX10 JOY		415058	97KX17 JOY		415074	97KX249 JOY		455480!
97GX25 JOY		417316!	97KX100 JOY		471736	97KX170 JOY		410496!	97KX25 JOY		417316!
97GX250 JOY		416239!	97KX101 JOY		471750!	97KX171 JOY		470605!	97KX250 JOY		416239!
97GX26 JOY		476470	97KX102 JOY		471192	97KX172 JOY		470605!	97KX26 JOY		476470
97GX260 JOY		411394!	97KX103 JOY		473214	97KX174 JOY		455079!	97KX27 JOY		416137
97GX27 JOY		416137	97KX104 JOY		473214	97KX175 JOY		415082	97KX28 JOY		415036
97GX28 JOY		415036	97KX105 JOY		470950!	97KX177 JOY		415988	97KX29 JOY		415645!
97GX3 JOY		416107!	97KX105 JOY		6241S	97KX178 JOY		415302	97KX29 JOY		455104
97GX3 JOY		455073	97KX106 JOY		471820	97KX179 JOY		417485	97KX3 JOY		416107!
97GX30 JOY		416921!	97KX107 JOY		470625!	97KX180 JOY		455005	97KX3 JOY		455073
97GX31 JOY		455019!	97KX108 JOY		470625!	97KX181 JOY		417344!	97KX30 JOY		416921!
97GX34 JOY		415025	97KX109 JOY		470059	97KX182 JOY		417158!	97KX31 JOY		455019!
97GX35 JOY		473214	97KX109 JOY		470380!	97KX183 JOY		417344!	97KX32 JOY		473313
97GX36 JOY		415988	97KX11 JOY		417487	97KX185 JOY		416654!	97KX33 JOY		415007
97GX37 JOY		471138!	97KX110 JOY		470059	97KX186 JOY		417349	97KX34 JOY		415025
97GX38 JOY		50199S!	97KX110 JOY		470380!	97KX187 JOY		417350!	97KX35 JOY		473214
97GX38 JOY		6863S!	97KX111 JOY		471821!	97KX188 JOY		417350!	97KX36 JOY		415988
97GX39 JOY		416664!	97KX112 JOY		473229	97KX189 JOY		417351!	97KX37 JOY		471138!
97GX40 JOY		472029	97KX113 JOY		473229	97KX19 JOY		415064	97KX39 JOY		416664!
97GX41 JOY		417507!	97KX114 JOY		470682	97KX190 JOY		417487	97KX4 JOY		416666
97GX41 JOY		417507	97KX115 JOY		473444	97KX191 JOY		417488!	97KX40 JOY		472029
97GX43 JOY		418028	97KX116 JOY		473236!	97KX192 JOY		415995!	97KX41 JOY		417507
97GX43 JOY		455137!	97KX117 JOY		474265	97KX193 JOY		55155 =	97KX41 JOY		417507!
97GX44 JOY		473228	97KX118 JOY		450068	97KX194 JOY		417172	97KX43 JOY		418028
97GX45 JOY		471532	97KX119 JOY		471504!	97KX195 JOY		417621!	97KX43 JOY		455137!
97GX46 JOY		473238!	97KX12 JOY		456105	97KX196 JOY		415021	97KX44 JOY		473228
97GX47 JOY		415960	97KX120 JOY		472179	97KX197 JOY		417490	97KX45 JOY		471532
97GX48 JOY		472924!	97KX121 JOY		472179	97KX198 JOY		417490	97KX46 JOY		473238!
97GX49 JOY		417356!	97KX122 JOY		470334!	97KX199 JOY		455336	97KX47 JOY		415960
97GX49 JOY		455188	97KX123 JOY		473458!	97KX2 JOY		417546!	97KX48 JOY		472924!
97GX5 JOY		472185!	97KX124 JOY		473239	97KX20 JOY		415045!	97KX49 JOY		417356!
97GX50 JOY		473463	97KX125 JOY		471868	97KX200 JOY		455336	97KX49 JOY		455188
97GX51 JOY		472636!	97KX126 JOY		472439	97KX201 JOY		418028	97KX5 JOY		472185!
97GX52 JOY		415995!	97KX127 JOY		472572!	97KX201 JOY		455137!	97KX50 JOY		473463
97GX53 JOY		471646!	97KX128 JOY		472572!	97KX202 JOY		418028	97KX51 JOY		472636!
97GX54 JOY		471472!	97KX13 JOY		415035	97KX202 JOY		455137!	97KX52 JOY		415995!
97GX55 JOY		472636!	97KX13 JOY		415035!	97KX203 JOY		466470	97KX53 JOY		471646!
97GX57 JOY		416153!	97KX130 JOY		473462	97KX205 JOY		417491	97KX55 JOY		472636!
97GX58 JOY		470530!	97KX131 JOY		472394	97KX207 JOY		412473!	97KX57 JOY		416153!
97GX6 JOY		450084!	97KX132 JOY		472492!	97KX208 JOY		415437	97KX58 JOY		470530!
97GX63 JOY		455655!	97KX133 JOY		472492!	97KX21 JOY		416892!	97KX6 JOY		450084!
97GX7 JOY		415449!	97KX134 JOY		472397!	97KX211 JOY		417211!	97KX7 JOY		415449!
97GX70 JOY		470954!	97KX135 JOY		473242	97KX212 JOY		415034!	97KX70 JOY		470954!
97GX71 JOY		412920!	97KX136 JOY		473463	97KX213 JOY		417356!	97KX71 JOY		412920!
97GX72 JOY		471551!	97KX137 JOY		416738!	97KX213 JOY		455188	97KX75 JOY		330385!
97GX75 JOY		330385!	97KX137 JOY		450096	97KX214 JOY		415035	97KX76 JOY		473236!
97GX76 JOY		473236!	97KX138 JOY		450307	97KX214 JOY		415035!	97KX77 JOY		472810!
97GX77 JOY		472810!	97KX139 JOY		450532	97KX215 JOY		417511	97KX78 JOY		471442!
97GX78 JOY		471442!	97KX140 JOY		473467	97KX216 JOY		417511	97KX79 JOY		471532
97GX79 JOY		471532	97KX142 JOY		472016	97KX218 JOY		417513	97KX8 JOY		413469!
97GX8 JOY		413469!	97KX143 JOY		413469!	97KX219 JOY		472157	97KX81 JOY		471529
97GX81 JOY		471529	97KX144 JOY		472015!	97KX219 JOY		472157!	97KX82 JOY		50026
97GX82 JOY		50026	97KX145 JOY		473243	97KX22 JOY		455024	97KX83 JOY		470590
97GX83 JOY		470590	97KX146 JOY		470898	97KX220 JOY		472157!	97KX84 JOY		471267!
97GX84 JOY		471267!	97KX147 JOY		472015!	97KX220 JOY		472157	97KX85 JOY		470590
97GX85 JOY		470590	97KX148 JOY		473245!	97KX221 JOY		416891!	97KX86 JOY		471571
97GX86 JOY		471571	97KX149 JOY		471272!	97KX222 JOY		416137	97KX88 JOY		471648

! Industrial Size/Type = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial		Zero Duplication or Recommended Industrial	
Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name	Mfr. No.	Name
97KX89 JOY	471224!	97MX150 JOY	455583N!	97MX82 JOY	472397!	97VX15 JOY	455008
97KX9 JOY	415027!	97MX152 JOY	55333=	97MX83 JOY	450311	97VX150 JOY	415138!
97KX9 JOY	415027	97MX153 JOY	417596	97MX84 JOY	450311	97VX151 JOY	457874
97KX90 JOY	471649!	97MX156 JOY	416364!	97MX85 JOY	470898	97VX152 JOY	416239!
97KX91 JOY	471224!	97MX157 JOY	415116	97MX86 JOY	470898	97VX153 JOY	417507
97KX92 JOY	481650	97MX159 JOY	417602!	97MX87 JOY	472234	97VX153 JOY	417507!
97KX93 JOY	471835!	97MX160 JOY	417604	97MX89 JOY	471272!	97VX156 JOY	472560N!
97KX94 JOY	471763	97MX161 JOY	415128	97MX90 JOY	472636!	97VX159 JOY	471472!
97KX95 JOY	476838!	97MX162 JOY	55301S	97MX93 JOY	413478	97VX16 JOY	471766!
97KX96 JOY	470712!	97MX163 JOY	415090	97MX94 JOY	413478	97VX17 JOY	457874
97KX97 JOY	471692!	97MX164 JOY	415001!	97MX95 JOY	411245!	97VX18 JOY	416339
97KX98 JOY	471692!	97MX165 JOY	415645!	97MX96 JOY	416288!	97VX18 JOY	455031!
97KX99 JOY	471785!	97MX165 JOY	455104	97MX98 JOY	417343!	97VX19 JOY	415064
97LX127 JOY	416891!	97MX17 JOY	450342	97MX99 JOY	455151	97VX2 JOY	417546!
97LX133 JOY	415138!	97MX171 JOY	455330!	97P3 WHITE	455151	97VX20 JOY	415045!
97LX276 JOY	46470	97MX177 JOY	416891!	97VX1 JOY	417563	97VX21 JOY	416892!
97LX29 JOY	417344!	97MX179 JOY	472636!	97VX10 JOY	415058	97VX22 JOY	455024
97LX31 JOY	471750!	97MX18 JOY	471762!	97VX100 JOY	472185!	97VX23 JOY	412119!
97LX32 JOY	471413	97MX187 JOY	416364!	97VX101 JOY	472179	97VX24 JOY	471765!
97LX40 JOY	472029	97MX19 JOY	473420	97VX102 JOY	450089	97VX25 JOY	417316!
97LX52 JOY	415995!	97MX197 JOY	415138!	97VX103 JOY	473450	97VX26 JOY	476470
97LX53 JOY	415991	97MX2 JOY	471466!	97VX104 JOY	473458!	97VX27 JOY	416137
97LX53 JOY	455146!	97MX20 JOY	471747!	97VX105 JOY	473239	97VX28 JOY	415036
97LX66 JOY	472492!	97MX21 JOY	471763	97VX106 JOY	471868	97VX29 JOY	415645!
97LX68 JOY	471271!	97MX22 JOY	473234	97VX107 JOY	472439	97VX29 JOY	455104
97LX81 JOY	472924!	97MX25 JOY	471765!	97VX108 JOY	472394	97VX3 JOY	416107!
97MX1 JOY	471466!	97MX26 JOY	471413!	97VX109 JOY	472397!	97VX3 JOY	455073
97MX10 JOY	450398	97MX27 JOY	471766!	97VX11 JOY	417487	97VX30 JOY	416921!
97MX10 JOY	471267!	97MX28 JOY	473213!	97VX110 JOY	473242	97VX31 JOY	455019!
97MX102 JOY	415960	97MX29 JOY	417344!	97VX111 JOY	410102	97VX32 JOY	473313
97MX106 JOY	415995!	97MX3 JOY	471466!	97VX112 JOY	416738!	97VX33 JOY	415007
97MX107 JOY	55155=	97MX31 JOY	471750!	97VX112 JOY	450096	97VX34 JOY	415025
97MX109 JOY	417621!	97MX32 JOY	471413!	97VX113 JOY	450307	97VX35 JOY	473214
97MX11 JOY	471570!	97MX34 JOY	417316!	97VX114 JOY	473467	97VX36 JOY	415988
97MX112 JOY	476470	97MX38 JOY	481163!	97VX115 JOY	413469!	97VX4 JOY	416666
97MX113 JOY	418028	97MX39 JOY	471192	97VX116 JOY	472016	97VX40 JOY	410496!
97MX113 JOY	455137!	97MX40 JOY	472029	97VX117 JOY	472015!	97VX41 JOY	415041
97MX116 JOY	415991	97MX42 JOY	473214	97VX118 JOY	473243	97VX42 JOY	415379!
97MX116 JOY	455146!	97MX43 JOY	473215!	97VX119 JOY	473245!	97VX42 JOY	415379
97MX117 JOY	416339	97MX44 JOY	473226	97VX12 JOY	456105	97VX43 JOY	418028
97MX117 JOY	455031!	97MX45 JOY	473225!	97VX120 JOY	412920!	97VX43 JOY	455137!
97MX118 JOY	416339	97MX47 JOY	470625!	97VX121 JOY	411376!	97VX44 JOY	473228
97MX118 JOY	455031!	97MX48 JOY	470059	97VX122 JOY	410737!	97VX45 JOY	473225!
97MX119 JOY	417211!	97MX48 JOY	470380!	97VX123 JOY	410694!	97VX46 JOY	473238
97MX12 JOY	471571	97MX49 JOY	470059	97VX124 JOY	411394!	97VX47 JOY	415960
97MX120 JOY	416345!	97MX49 JOY	470380!	97VX125 JOY	417073	97VX48 JOY	472924!
97MX120 JOY	455033	97MX50 JOY	473229	97VX126 JOY	411245!	97VX49 JOY	417356!
97MX121 JOY	415034!	97MX51 JOY	472636!	97VX127 JOY	415449!	97VX49 JOY	455188
97MX124 JOY	415036	97MX52 JOY	415995!	97VX128 JOY	415302	97VX5 JOY	472185!
97MX125 JOY	415295	97MX53 JOY	415991	97VX129 JOY	415458!	97VX50 JOY	473463
97MX127 JOY	416891!	97MX53 JOY	455146!	97VX13 JOY	415035	97VX52 JOY	415995!
97MX128 JOY	472157!	97MX56 JOY	470682	97VX133 JOY	415035!	97VX53 JOY	471646!
97MX128 JOY	472157	97MX57 JOY	473231	97VX130 JOY	417485	97VX54 JOY	473232
97MX129 JOY	416888!	97MX58 JOY	473010	97VX131 JOY	455005	97VX55 JOY	472636!
97MX13 JOY	450039	97MX59 JOY	473010	97VX132 JOY	417344!	97VX57 JOY	416153!
97MX130 JOY	416154!	97MX60 JOY	473445	97VX133 JOY	417134	97VX58 JOY	470530!
97MX132 JOY	416158	97MX61 JOY	473234	97VX134 JOY	417486	97VX59 JOY	473464!
97MX133 JOY	415138!	97MX62 JOY	474265	97VX135 JOY	416654!	97VX59 JOY	473464
97MX134 JOY	415066	97MX63 JOY	472164!	97VX137 JOY	55155=	97VX6 JOY	450084!
97MX135 JOY	416167!	97MX64 JOY	472179	97VX138 JOY	471621!	97VX60 JOY	410190
97MX136 JOY	416167!	97MX66 JOY	472492!	97VX139 JOY	415021	97VX61 JOY	471571
97MX137 JOY	416865!	97MX68 JOY	471271!	97VX140 JOY	455336	97VX62 JOY	470712!
97MX138 JOY	416865!	97MX69 JOY	415449!	97VX141 JOY	415023	97VX63 JOY	473016!
97MX139 JOY	455290	97MX7 JOY	471231!	97VX142 JOY	415937!	97VX64 JOY	470059
97MX14 JOY	471224!	97MX70 JOY	471141!	97VX143 JOY	455032!	97VX64 JOY	470380!
97MX141 JOY	417551	97MX73 JOY	473449	97VX144 JOY	415034!	97VX65 JOY	471820
97MX143 JOY	417254	97MX76 JOY	472439	97VX145 JOY	417513	97VX66 JOY	471821!
97MX144 JOY	480630!	97MX77 JOY	472572!	97VX146 JOY	472157	97VX67 JOY	473010
97MX145 JOY	417555!	97MX78 JOY	472319	97VX146 JOY	472157!	97VX68 JOY	473446
97MX147 JOY	417780	97MX8 JOY	474253	97VX147 JOY	416891!	97VX69 JOY	50075=
97MX149 JOY	415072	97MX80 JOY	472394	97VX148 JOY	416153!	97VX7 JOY	415001!
97MX15 JOY	471649!	97MX81 JOY	472924!	97VX149 JOY	415371	97VX70 JOY	472144!

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Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
97VX71 JOY		473462	97X139 JOY		473236!	97X20 JOY		415045!	97X32 JOY		473313
97VX72 JOY		411253!	97X140 JOY		450068	97X200 JOY		416167!	97X323 JOY		471692!
97VX73 JOY		471224!	97X141 JOY		472179	97X201 JOY		416865!	97X328 JOY		472560N!
97VX74 JOY		416444	97X142 JOY		470334!	97X202 JOY		416865!	97X329 JOY		473237!
97VX75 JOY		416271!	97X143 JOY		450089	97X204 JOY		415072	97X33 JOY		415007
97VX76 JOY		417171!	97X144 JOY		473450	97X206 JOY		457874	97X331 JOY		481792
97VX77 JOY		455022	97X145 JOY		471866!	97X207 JOY		417563	97X332 JOY		417480!
97VX78 JOY		455026	97X146 JOY		473458!	97X208 JOY		416229	97X34 JOY		415025
97VX8 JOY		413469!	97X147 JOY		471868	97X209 JOY		411376!	97X346 JOY		417344!
97VX80 JOY		481568!	97X148 JOY		472439	97X21 JOY		416892!	97X35 JOY		473214
97VX81 JOY		472924!	97X15 JOY		455008	97X210 JOY		416239!	97X354 JOY		417602!
97VX82 JOY		50026	97X151 JOY		472397!	97X211 JOY		415551	97X36 JOY		415988
97VX85 JOY		470590	97X152 JOY		473242	97X212 JOY		455406!	97X37 JOY		471138!
97VX86 JOY		471648	97X153 JOY		416738!	97X213 JOY		417606	97X39 JOY		416664!
97VX87 JOY		450044	97X153 JOY		450096	97X214 JOY		417020	97X4 JOY		416666
97VX88 JOY		471763	97X154 JOY		450307	97X216 JOY		471648	97X40 JOY		472029
97VX89 JOY		476838!	97X155 JOY		472016	97X22 JOY		455024	97X41 JOY		417507
97VX9 JOY		415027	97X156 JOY		413469!	97X23 JOY		412119!	97X41 JOY		417507!
97VX9 JOY		415027!	97X157 JOY		410308!	97X24 JOY		471765!	97X42 JOY		415379
97VX90 JOY		471785!	97X158 JOY		411253!	97X25 JOY		417316!	97X42 JOY		415379!
97VX91 JOY		470950!	97X159 JOY		411376!	97X251 JOY		471272!	97X43 JOY		418028
97VX91 JOY		6241S	97X16 JOY		471766!	97X253 JOY		471354!	97X43 JOY		455137!
97VX92 JOY		470625!	97X160 JOY		410694!	97X254 JOY		415995!	97X44 JOY		473228
97VX93 JOY		471821!	97X161 JOY		411394!	97X259 JOY		471570!	97X45 JOY		471466!
97VX94 JOY		473229	97X162 JOY		416271!	97X26 JOY		476470	97X46 JOY		473238
97VX95 JOY		470682	97X163 JOY		417073	97X261 JOY		417351!	97X47 JOY		415960!
97VX96 JOY		473444	97X164 JOY		410496!	97X262 JOY		415437!	97X48 JOY		472924!
97VX97 JOY		473236!	97X165 JOY		415302	97X262 JOY		415437	97X49 JOY		417356!
97VX98 JOY		474265	97X166 JOY		415458!	97X263 JOY		415991	97X49 JOY		455188
97VX99 JOY		450068	97X167 JOY		417485	97X263 JOY		455146!	97X5 JOY		472185!
97X JOY		471684!	97X168 JOY		455005	97X264 JOY		417196!	97X50 JOY		473461!
97X1 JOY		417563	97X169 JOY		417134	97X267 JOY		471684!	97X51 JOY		472636!
97X10 JOY		415058	97X17 JOY		457874	97X268 JOY		471567!	97X52 JOY		415995!
97X100 JOY		417344!	97X170 JOY		455144	97X269 JOY		473213!	97X53 JOY		471646!
97X101 JOY		416654!	97X171 JOY		417486	97X27 JOY		416137	97X54 JOY		473232
97X102 JOY		417497	97X172 JOY		417488!	97X270 JOY		417492	97X55 JOY		472636!
97X103 JOY		417492	97X173 JOY		55155=	97X271 JOY		416892!	97X57 JOY		416153!
97X104 JOY		415995!	97X174 JOY		417621!	97X272 JOY		415938	97X58 JOY		470530!
97X105 JOY		473245!	97X175 JOY		416288!	97X273 JOY		418028	97X59 JOY		417316!
97X106 JOY		470059	97X176 JOY		417491	97X273 JOY		455137!	97X6 JOY		450084!
97X106 JOY		470380!	97X177 JOY		415379	97X274 JOY		415437	97X60 JOY		410737!
97X107 JOY		470950!	97X177 JOY		415379!	97X275 JOY		471554!	97X61 JOY		471763
97X107 JOY		6241S	97X178 JOY		412473!	97X276 JOY		470590	97X63 JOY		417073
97X108 JOY		480210!	97X179 JOY		417191	97X279 JOY		416664!	97X64 JOY		415379
97X11 JOY		417487	97X179 JOY		456585	97X28 JOY		415036	97X64 JOY		415379!
97X110 JOY		473225!	97X18 JOY		416339	97X280 JOY		473471	97X65 JOY		416239!
97X114 JOY		415196!	97X18 JOY		455031!	97X281 JOY		417520	97X66 JOY		417247!
97X116 JOY		471472!	97X180 JOY		415025	97X282 JOY		473228	97X7 JOY		415001!
97X118 JOY		471549!	97X181 JOY		455249!	97X284 JOY		416345!	97X71 JOY		415991
97X119 JOY		471532	97X182 JOY		415711	97X284 JOY		455033	97X71 JOY		455146!
97X12 JOY		456105	97X183 JOY		415937!	97X287 JOY		417562	97X72 JOY		410102
97X120 JOY		481073	97X184 JOY		415379	97X289 JOY		471413	97X73 JOY		471571
97X121 JOY		471553!	97X184 JOY		415379!	97X29 JOY		415645!	97X75 JOY		473426
97X122 JOY		50026	97X185 JOY		455032!	97X29 JOY		455104	97X76 JOY		473467
97X123 JOY		471689!	97X186 JOY		417366!	97X290 JOY		415938	97X77 JOY		413469!
97X124 JOY		471649!	97X187 JOY		417211!	97X291 JOY		471466!	97X78 JOY		417171!
97X125 JOY		471224!	97X188 JOY		417210!	97X292 JOY		471224!	97X79 JOY		415021
97X126 JOY		450044	97X189 JOY		416345!	97X293 JOY		473474	97X8 JOY		413469!
97X127 JOY		471763	97X189 JOY		455033	97X294 JOY		471466!	97X80 JOY		455022
97X128 JOY		476838!	97X19 JOY		415064	97X296 JOY		450177	97X81 JOY		415023
97X129 JOY		470712!	97X190 JOY		415034!	97X297 JOY		471413	97X82 JOY		473215!
97X13 JOY		415035	97X191 JOY		417512	97X3 JOY		416107!	97X83 JOY		470059
97X13 JOY		415035!	97X192 JOY		417513	97X3 JOY		455073	97X83 JOY		470380!
97X130 JOY		471785!	97X193 JOY		416891!	97X30 JOY		416921!	97X84 JOY		471821!
97X131 JOY		471750!	97X194 JOY		472157!	97X300 JOY		415124	97X85 JOY		473235!
97X132 JOY		470625!	97X194 JOY		472157	97X301 JOY		416125!	97X86 JOY		472070
97X133 JOY		473229	97X195 JOY		416888!	97X302 JOY		417262!	97X87 JOY		474265
97X134 JOY		470682	97X196 JOY		415371	97X303 JOY		472311!	97X88 JOY		473238
97X135 JOY		451469	97X197 JOY		417247!	97X307 JOY		415995!	97X89 JOY		472144!
97X136 JOY		473444	97X198 JOY		415138!	97X308 JOY		471424!	97X9 JOY		415027
97X137 JOY		473010	97X199 JOY		415066	97X31 JOY		455019!	97X9 JOY		415027!
97X138 JOY		473446	97X2 JOY		417546!	97X315 JOY		471391!	97X90 JOY		472144!

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Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
97X91	JOY	473460	983253	OMC	17720	9869	C-R	471224!	99094	C-R	99094
97X92	JOY	473460	9832LPD	JN-MN	455397	98732	HYST	417503	99096	C-R	99096
97X93	JOY	473239	9832LUP	JN-MN	455397	98750	C-R	55224 =	99096RS	VIC	99096
97X94	JOY	472394	9833	C-R	472311	987570R1	IH	JV753	99098	C-R	99098
97X96	JOY	416444	9833A	C-R	416921!	9876	C-R	471224!	99098RS	VIC	99098
97X97	JOY	411245!	9833S	NATL	8705S	9876LPD	JN-MN	417344!	99100	C-R	99100
97X98	JOY	415449!	9834	C-R	472311!	9876LUP	JN-MN	417344!	99100	C-R	99101
97X99	JOY	455151	9835	C-R	240414	9877	C-R	471224	99100RS	VIC	99100
98005R91	IH	472439	9835	C-R	472311!	9878	C-R	471224!	99100RS	VIC	99101
9800A	C-R	415995!	983570R1	IH	370003A	9879	C-R	471224	99103	C-R	99103
9800LPD	JN-MN	455194	9837	C-R	472311!	9879	C-R	471224	99103RS	VIC	99103
9800LUP	JN-MN	455194	9838	C-R	472311!	987RC	SUL	472287!	99106	C-R	99106
9805	C-R	712012	9839	C-R	471224!	98809	CATER	485725N	99106RS	VIC	99106
9810A	C-R	415449!	9840	C-R	471224!	9881	C-R	471224	99111	C-R	99111
981200	SPICE	476838!	9840A	C-R	471316!	9882	C-R	471689!	99111RS	VIC	99111
9812013A	HARWA	98X120X13	9841A	C-R	470530!	9885	C-R	471224!	99112	C-R	99112
9814	C-R	252277	98427996	IVECO	713134	98860R91	IH	472016	99112RS	VIC	99112
981480	SPICE	416332!	98427998	FIAT	713064	9886LPD	JN-MN	455121	99114	BR-ST	471553!
9815	C-R	240731	9843	C-R	471224	9886LUP	JN-MN	455121	99114	C-R	99114
9815LPD	JN-MN	416654!	98435	C-R	250X280X15	9889	C-R	6847S	99114RS	VIC	99114
9815LUP	JN-MN	416654!	98436545	FIAT	713024	9890A	C-R	240319	99118	C-R	99118
981605	OMC	17720	9844	C-R	471224	9891LPD	JN-MN	55532 =	99118RS	VIC	99118
9818	C-R	342517	9844	KEN	471224	9891LUP	JN-MN	55532 =	99123	C-R	99123
981RC	SUL	472287!	9845	NATL	450375	9892	C-R	471224!	99125	C-R	99125
9820	C-R	441130	9845	NATL	6936S	9892LPD	JN-MN	415711	99125RS	VIC	99125
9820LPD	JN-MN	415138!*	9845	TIMKE	9845	9892LUP	JN-MN	415711	99128	C-R	99128
9820LUP	JN-MN	415138!	98451055	FIAT	713057	9893	C-R	471270!	99128RS	VIC	99128
9821	C-R	441130	9846	C-R	350909	9894	C-R	471270!	99129	C-R	99129
982259R91	IH	370012A	9846	C-R	471224!	9894	HYST	473215!	99129RS	VIC	99129
982259R91	IH	5473\$	984631	VIC	415035	9895	C-R	471270!	9912A	C-R	416654
9823	C-R	441130*	9847	C-R	472311	9895	HYST	455032!	9912S	TIMKE	9912
9823545	NEHO	370223A =	98471	HYST	415295	9896	C-R	471270!	99131	C-R	99131
982483R91	IH	100495	9848	C-R	471224!	9898	TOWNR	473197	99131RS	VIC	99131
982483R91	IH	417349	984801R91	IH	5406	98X12013XX	TIMKE	98X120X13	99133	C-R	99133
982591R91	IH	417262!	9848LPD	JN-MN	471652	98X120X13	SIMRT	98X120X13	99133RS	VIC	99133
9825LPD	JN-MN	450104	9848LPD	JN-MN	482208!	98X120X13SC	TRSCM	98X120X13	99134	C-R	99134
9825LUP	JN-MN	450104	9848LUP	JN-MN	471652	98X120X13TC	TRSCM	98X120X13	99138	C-R	99138
9826	C-R	252277	9848LUP	JN-MN	482208!	9900	C-R	343123	99138RS	VIC	99138
9827	C-R	472311!	9849	C-R	471224!	990065	ACF	40468	99139	C-R	99139
9828	C-R	472311!	98492	HYST	471341!	9900LPD	JN-MN	471760	99139RS	VIC	99139
9828-00102	HINO	231004	98494989	IVECO	713123	9900LUP	JN-MN	471760	99143	C-R	99143
9828-01112	HINO	710368	9849LPD	JN-MN	473444	990101	ACF	472164!	99143RS	VIC	99143
9828-01125	HINO	710368	9849LUP	JN-MN	473444	990132	SPICE	473423	99144	C-R	99144
9828-01137	HINO	710371	9850	C-R	471224!	990132	VIC	473423	99144RS	VIC	99144
9828-01144	HINO	710366	9851	C-R	471224!*	99019R91	IH	471224!	99146	C-R	99146
9828-01147	HINO	710371	9852	C-R	471224!	99022R91	IH	416654	99146RS	VIC	99146
9828-01149	HINO	717004	98520	TW-CO	474278!	9903	C-R	473380	99147	C-R	99147
9828-01165	HINO	710368	98524	HYST	472179	99031	AM WH	472164!	99147RS	VIC	99147
9828-01167	HINO	710366	9854	C-R	471224!	99032	AM WH	472439	99149	C-R	99149
9828-01204	HINO	710369	9854LPD	JN-MN	472164!	99049	C-R	99049	99149RS	VIC	99149
9828-01206	HINO	710295	9854LUP	JN-MN	472164!	99049RS	VIC	99049	99150	C-R	99150
9828-48112	HINO	710296	9858LUP	JN-MN	471424!	99058	C-R	99058	99150RS	VIC	99150
9828-58105	HINO	225875	9859	C-R	471224!	99059	C-R	99059	99152	C-R	99152
9828-65116	HINO	710367	9859	C-R	6522S!	99059RS	VIC	99059	99155	C-R	99155
9828-65119	HINO	710367	9859LPD	JN-MN	471224!	99060	C-R	99060	99155RS	VIC	99155
9828-70102	HINO	70X95X13	9859LUP	JN-MN	471224!	99060RS	VIC	99060	99156	C-R	99156
9828-80102	HINO	228020	9861	C-R	471224!	99062	C-R	99062	99156RS	VIC	99156
9828-85106	HINO	710294	9862	C-R	471224	99062RS	VIC	99062	99157	C-R	99157
9828-90108	HINO	229005	9862	C-R	471224	99065	ACF	40468	99157RS	VIC	99157
982827102	HINO	712009	98630R91	IH	6663S	99068	C-R	99068	9915A	C-R	470088
983006R91	IH	6635S	986350	OTISE	55199 =	99068RS	VIC	99068	99162	C-R	99162
98305	WITTE	472924!	9863LPD	JN-MN	416273!	9907	C-R	473380	99162RS	VIC	99162
98305A	WITTE	470898	9863LUP	JN-MN	416273!	99076	C-R	99076	99165	C-R	99165
98309	CINMI	471785!	9864	C-R	471224!	99076RS	VIC	99076	99166	C-R	99166
9830LPD	JN-MN	417605	98643	HYST	410737!	99078	C-R	99078	99166	SPG	99166
9830LUP	JN-MN	417605	9864S	TIMKE	9864S	99078RS	VIC	99078	99166RS	VIC	99166
9831	C-R	252277	9865	C-R	471224!	9907SKR	NATL	370086A	99168	C-R	99168
98317	TW-CO	450398	9866LPD	JN-MN	415035	99085	C-R	99085	99168RS	VIC	99168
98317	TW-CO	471267!	9866LPD	JN-MN	415035!	99085RS	VIC	99085	99169	C-R	99169
9831LPD	JN-MN	481163!	9866LUP	JN-MN	415035!	99087	C-R	99087	99169RS	VIC	99169
9831LUP	JN-MN	481163!	9866LUP	JN-MN	415035	99087RS	VIC	99087	99170	C-R	99170
9832	C-R	240414*	9867	C-R	471224!	9909	C-R	471649!	99170RS	VIC	99170

! Industrial Size/Type * Minor Width Difference \$F-M Number Is Part Of A Kit = Call 1-800-480-1212 for price and delivery.

Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended			Zero Duplication or Recommended		
Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial	Mfr. No.	Name	Industrial
99171	C-R		99171			99233	RS VIC		99233		
99171RS	VIC		99171			99235	C-R		99235		
99172	C-R		99172			99235RS	VIC		99235		
99172RS	VIC		99172			99236	C-R		99236		
99174	C-R		99174			99236RS	VIC		99236		
99174RS	VIC		99174			99237	C-R		99237		
99175	BR-ST		450593!			99237RS	VIC		99237		
99175	C-R		99175			99238	C-R		99238		
99175RS	VIC		99175			99238RS	VIC		99238		
99176	BR-ST		481644			9924	C-R		471649!		
99176	C-R		99176			99240	C-R		99240		
99176RS	VIC		99176			99240RS	VIC		99240		
99177	C-R		99177			99242	C-R		99242		
99177RS	VIC		99177			99243	C-R		99243		
99179	C-R		99179			99243RS	VIC		99243		
99179RS	VIC		99179			99248	C-R		99248		
9918	C-R		471649!			992481C91	IH		370150A		
99181	C-R		99181			99248RS	VIC		99248		
99181RS	VIC		99181			99250	C-R		99250		
99186	C-R		99186			99250RS	VIC		99250		
99186RS	VIC		99186			99253	C-R		99253		
99187	C-R		99187			99253RS	VIC		99253		
99187RS	VIC		99187			99254	C-R		99254		
99189	C-R		99189			99254RS	VIC		99254		
99189RS	VIC		99189			99256	C-R		99256		
9918LPD	JN-MN		417134			99256RS	VIC		99256		
9918LUP	JN-MN		417134			99259	C-R		99259		
9918M1	C-R		471649!			99259RS	VIC		99259		
9919	C-R		471649!			9926	C-R		471649!		
99190	C-R		99190			99260	C-R		99260		
99193	C-R		99193			99260RS	VIC		99260		
99193RS	VIC		99193			99261	C-R		99261		
99196	C-R		99196			99261RS	VIC		99261		
99196RS	VIC		99196			99262	C-R		99262		
99199	C-R		99199			99262RS	VIC		99262		
99199RS	VIC		99199			99264	C-R		99264		
99200	C-R		99200			99267	C-R		99267		
99200RS	VIC		99200			99267RS	VIC		99267		
992018	LONG		414045!			99269	C-R		99269		
992019	LONG		471224!			99269RS	VIC		99269		
992021	LONG		470898!			99272	C-R		99272		
992024	LONG		450398			99272RS	VIC		99272		
992024	LONG		471267!			99273	C-R		99273		
992026	LONG		473197			99273RS	VIC		99273		
99205	C-R		99205			99274	C-R		99274		
99205RS	VIC		99205			99274RS	VIC		99274		
99210	C-R		99210			99275	C-R		99275		
99210RS	VIC		99210			99275RS	VIC		99275		
99212	C-R		99212			99276	C-R		99276		
99212RS	VIC		99212			99276RS	VIC		99276		
99215	C-R		99215			9927HX	SPG		331227H		
99215RS	VIC		99215			99281	C-R		99281		
99218	C-R		99218			99281RS	VIC		99281		
99218RS	VIC		99218			99282	C-R		99282		
9922	C-R		471649!			99282RS	VIC		99282		
99220	C-R		99220			99286	C-R		99286		
99225	BR-ST		473016!			99286RS	VIC		99286		
99225	C-R		99225			99287	C-R		99287		
99225RS	VIC		99225			99287RS	VIC		99287		
99226	C-R		99226			9929	C-R		471649!*		
99226RS	VIC		99226			99290	C-R		99290		
99227	C-R		99227			99290RS	VIC		99290		
992280	AMC		40316S			99291	C-R		99291		
992293	WILYS		415458!			99291RS	VIC		99291		
992297	AMC		415458!			99292	C-R		99292		
992297	WILYS		415458!			99293	C-R		99293		
9923	C-R		471649!			99293RS	VIC		99293		
99230	C-R		99230			99294	C-R		99294		
99230RS	VIC		99230			99294RS	VIC		99294		
99231	C-R		99231			99296	C-R		99296		
99231RS	VIC		99231			99296RS	VIC		99296		
99233	C-R		99233			99298	C-R		99298		
99298RS	VIC		99298			99298RS	VIC		99298		
99299	C-R		99299			99299RS	VIC		99299		
99299RS	VIC		99299			99300	C-R		99300		
99300	C-R		99300			99300RS	VIC		99300		
99303	C-R		99303			99303	C-R		99303		
99303RS	VIC		99303			99303RS	VIC		99303		
99307	C-R		99307			99307	C-R		99307		
9930LPD	JN-MN		415196!			9930LPD	JN-MN		415196!		
9930LUP	JN-MN		415196!			9930LUP	JN-MN		415196!		
99311	C-R		99311			99311	C-R		99311		
99311RS	VIC		99311			99311RS	VIC		99311		
99312	C-R		99312			99312	C-R		99312		
99312RS	VIC		99312			99312RS	VIC		99312		
99313	C-R		99313			99313	C-R		99313		
99313RS	VIC		99313			99313RS	VIC		99313		
99315	C-R		99315			99315	C-R		99315		
99315RS	VIC		99315			99315RS	VIC		99315		
99317	BR-ST		471567!			99317	BR-ST		471567!		
9932	C-R		471649!			9932	C-R		471649!		
99322	C-R		99322			99322	C-R		99322		
99322RS	VIC		99322			99322RS	VIC		99322		
99324	C-R		99324			99324	C-R		99324		
99324RS	VIC		99324			99324RS	VIC		99324		
99325	C-R		99325			99325	C-R		99325		
99325RS	VIC		99325			99325RS	VIC		99325		
99331	C-R		99331			99331	C-R		99331		
99331RS	VIC		99331			99331RS	VIC		99331		
99333	C-R		99333			99333	C-R		99333		
99333RS	VIC		99333			99333RS	VIC		99333		
99334	C-R		99334			99334	C-R		99334		
99334RS	VIC		99334			99334RS	VIC		99334		
99337	C-R		99337			99337	C-R		99337		
99337RS	VIC		99337			99337RS	VIC		99337		
99339	C-R		99339			99339	C-R		99339		
99339RS	VIC		99339			99339RS	VIC		99339		
9934	C-R		471649!			9934	C-R		471649!		
99340	C-R		99340			99340	C-R		99340		
99340RS	VIC		99340			99340RS	VIC		99340		
99347	C-R		99347			99347	C-R		99347		
99347RS	VIC		99347			99347RS	VIC		99347		
99349	C-R		99349			99349	C-R		99349		
99349RS	VIC		99349			99349RS	VIC		99349		
9935	C-R		471649!			9935	C-R		471649!		
99350	C-R		99350			99350	C-R		99350		
99350RS	VIC		99350			99350RS	VIC		99350		
99351	C-R		99351			99351	C-R		99351		
99351RS	VIC		99351			99351RS	VIC		99351		
99354	C-R		99354			99354	C-R		99354		
99354RS	VIC		99354			99354RS	VIC		99354		
99356	C-R		99356			99356	C-R		99356		
99356RS	VIC		99356			99356RS	VIC		99356		
9935SS	JN-MN		473235!*			9935SS	JN-MN		473235!*		
99362	C-R		99362			99362	C-R		99362		
99362RS	VIC		99362			99362RS	VIC		99362		
99363	C-R		99363			99363	C-R		99363		
993631	ACF		455556			993631	ACF		455556		
99363RS	VIC		99363			99363RS	VIC		99363		
99364	C-R		99364			99364	C-R		99364		
99364RS	VIC		99364			99364RS	VIC		99364		
99367	C-R		99367			99367	C-R		99367		
99367RS	VIC		99367			99367RS	VIC		99367		
99368	C-R		99368			99368	C-R		99368		
99368RS	VIC		99368			99368RS	VIC		99368		
99369	C-R		99369			99369	C-R		99369		
99369RS	VIC		99369			99369RS	VIC		99369		
9937	C-R		471649!			9937	C-R		471649!		
99372	C-R		99372			99372	C-R		99372		
99372RS	VIC		99372			99372RS	VIC		99372		
99374	C-R		99374			99374	C-R		99374		
99374RS	VIC		99374			99374RS	VIC		99374		
99376	C-R		99376			99376	C-R		99376		
99376RS	VIC		99376			99376RS	VIC		99376		
993785	ACF		472636!			993785	ACF		472636!		
993802	ACF		6270			993802					

Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial			Zero Duplication or Recommended Industrial		
Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name		Mfr. No.	Name	
9951LPD JN-MN		415351!	998J OSHKO		415036	9L126 CATER		470328			
9951LUP JN-MN		415351!	999.113.012.50 PORSC		1973	9L126 CATER		481213!			
99525 C-R		99525	999.113.029.50 PORSC		226020	9L6021 CATER		J1895 *=			
99525RS VIC		99525	999.113.049.50 PORSC		226020	9L7188 CATER		415725!			
9952LPD JN-MN		473228	999.113.057.50 PORSC		226520	9L7600 CATER		39801			
9952LUP JN-MN		473228	999.113.057.52 PORSC		226520	9L7735 CATER		473474			
99549 C-R		99549	999.113.215.40 PORSC		229010	9L7736 CATER		39801			
99549RS VIC		99549	999.113.231.40 PORSC		60X85X8!	9L8336 CATER		J1606			
9955LPD JN-MN		472179	999.113.263.40 PORSC		60X85X8!	9L8483 CATER		416167 =			
9955LUP JN-MN		472179	999.113.290.42 PORSC		223050	9L9077 CATER		415725!			
9956SS JN-MN		473405	999.113.475.40 PORSC		710196	9L9185 CATER		473474			
99575 C-R		99575	999.113.476.40 PORSC		716102	9M3879 CATER		416892!			
99575RS VIC		99575	9990 C-R		471689!	9M5159 CATER		470565 =			
9958 CHRYS		470954	99902 CINMI		470086	9M5351 CATER		473367!			
99599 C-R		99599	99911323540 PORSC		65X85X10	9M7432 CATER		471224!			
99599RS VIC		99599	99911326440 PORSC		229005	9M7962 CATER		415449!			
9960 C-R		474250!	99911328240 PORSC		223020	9N0307 CATER		415303!			
99606 C-R		99606	99911346140 PORSC		229010	9N1190B FORD		6336S			
99606RS VIC		99606	9992 C-R		25X42X7V	9N18183 FORD		240385			
99625 C-R		99625	9992LPD JN-MN		471567!	9N307 CATER		415303!			
99625RS VIC		99625	9992LUP JN-MN		471567!	9N4251 FORD		410987 =			
99630 C-R		99630	9993 C-R		471689!*	9N703A FORD		471829			
99630RS VIC		99630	9993LPD JN-MN		415072*	9N703A2 FORD		471829			
9963LPD JN-MN		415138!	9993LUP JN-MN		415072	9N703B FORD		471829			
9963LUP JN-MN		415138!	9994 C-R		471689!*	9N749 DURA		473214!			
9964LPD JN-MN		417549!	9995 C-R		471689!	9N749 FORD		473214!			
9964LUP JN-MN		417549!	99954 C-R		415995!	9N749 SPICE		473214			
9965 C-R		471689!	99954 C-R		415995*	9N749B DURA		473214!			
99650 C-R		99650	9997 C-R		471689!	9N750 DURA		473236!			
99650RS VIC		99650	99977 BR-ST		481443!	9N750 SPICE		473236!			
9966 C-R		471689!	9998 C-R		471689!	9N750B DURA		473236!			
996693 CLARK		204017	9998LPD JN-MN		415995!	9N750B FORD		473236!			
9967 C-R		471689	9998LUP JN-MN		415995!	9S2391 CATER		472258			
99675 C-R		99675	999KB1608 MACK		470954!	9S2400 CATER		J1824 *=			
99675RS VIC		99675	999KB1675 MACK		417210!	9S3111 CATER		3807			
99680 C-R		417602!	999KB1920 MACK		416404!	9SK-095 WHITE		5M466			
996816 C-R		417603!	999KB1921 MACK		472157	9SK0524 WHITE		474273			
996816M1 C-R		417603!	999KB1921 MACK		472157!	9X18X7SC TRSCM		9X18X7			
99690 C-R		55301S	99GW240144-6 TROS		473235	9X18X7TC TRSCM		9X18X7			
99690M1 C-R		55301S	9A6904 LEYLD		471192	9X22X7 SIMRT		9X22X7			
99700 C-R		99700	9A7847 FED		415254	9X22X7SC TRSCM		9X22X7			
99700RS VIC		99700	9A8009 FED		472636!	9X22X7TC TRSCM		9X22X7			
997151TC SPG		997151	9B1208 CATER		470530!	9X24X7 FORSH		9X24X7			
997179TC SPG		470954	9B140 CATER		471763	9X24X7 SIMRT		9X24X7			
997295TD SPG		997295	9B5662 CATER		415437	9X24X7SC TRSCM		9X24X7			
9973LPD JN-MN		415867	9B6453 CATER		471750!	9X24X7TC TRSCM		9X24X7			
9973LUP JN-MN		415867	9B8053 CATER		471530	9X26X7 FORSH		9X26X7			
9974 C-R		471689!	9D6581 CATER		710023	9X26X7 SIMRT		9X26X7			
9975 C-R		471689!	9D6582 CATER		710024	9X26X7SC TRSCM		9X26X7			
99750 C-R		99750	9D6584 CATER		710026	9X26X7TC TRSCM		9X26X7			
99750RS VIC		99750	9D6585 CATER		710027	9X7547 CATER		320510V *			
9975LPD JN-MN		471646!	9F3487 CATER		471466!	9Y-7625 CATER		600016			
9975LUP JN-MN		471646!	9F3848 CATER		471554!	9Y7624 CATER		901017			
99766 CHRYS		481507N=	9F3850 CATER		472016	9Y9895 CATER		41163T			
9977 C-R		471689!	9F3958 CATER		471103!						
99786 CINMI		470050	9F5088 CATER		416125!						
99787 C-R		99787	9F7959 CATER		415213N						
99787RS VIC		99787	9F8616 CATER		476470						
9979 C-R		471689!	9H223 CATER		470954						
99804 BR-ST		471689!	9H223 IH		470954						
998092 AMC		5778	9H2257 CATER		473460						
998092 AMGEN		5778	9H2258 CATER		472924!						
998123 AMC		9316	9H6079 CATER		417316!						
9982 C-R		471689!	9H6504 CATER		413246						
9983 C-R		471689!	9H8839 CATER		471413 *						
9983LPD JN-MN		471684!	9H9484 CATER		472572!						
9983LUP JN-MN		471684!	9H9678 CATER		470380!						
9984 C-R		471689!	9J0107 CATER		J1122						
998497 AMC		480821!	9J0110 CATER		J1126						
9985 C-R		471689!	9J107 CATER		J1122						
99858 CHRYS		470954	9J110 CATER		J1126						
9989 C-R		471689!	9K2199 CATER		415066						

! Industrial Size/Type * Minor Width Difference = Call 1-800-480-1212 for price and delivery.

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NOTES

[illegible]

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[illegible]

NOTES

OTHER QUALITY INDUSTRIAL PRODUCTS



V-Seals™

A simple, versatile elastomeric "face"-type seal produced in Nitrile or Viton®, the National V-Seal functions as an additional sealing element. National V-Seals are recommended for extreme, high-contaminate environments.

The National V-Seal typically mounts on and rotates with the shaft while the lip lightly contracts the counterface. The elastic design eases installation, permitting a broad range of applications.



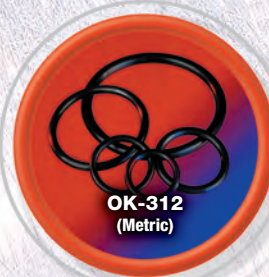
Wear Sleeves

Precision components that press-fit onto a shaft, National Wear Sleeves eliminate damage to shafts and spindles, both in-use and during transport.

Designed for ambient-temperature assembly and available in various sizes and finishes, National Wear Sleeves provide a protective seal running surface and reduce the need for complex and expensive shaft machining, repair or replacement.



OK-311
(Standard)



OK-312
(Metric)



OK-411
(Fluoroelastomer)



MD-999

O-Ring Seal Kits

Featuring English and metric sizes, National O-Ring Seal Kits have the coverage you need for the most popular applications. National O-Ring Seals are made of a high-quality nitrile rubber or a high-temperature fluoroelastomer.

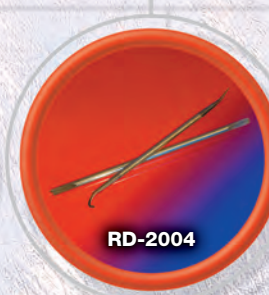
National can provide you with three assortments: OK-311, OK-312 and OK-411, and the MD-999 O-Ring identification gauge, designed to measure and identify O-Ring sizes.



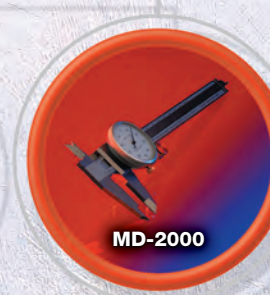
RD-2000



RD-2001



RD-2004



MD-2000

Installation Tools

The RD-2000 and RD-2001 tools are essential for proper seal installation and prevention of unnecessary downtime.

The RD-2000 National Seal Driver drives seals into place quickly, easily and without damage, allowing smooth equipment operation without premature seal leakage.

The RD-2001 National Bearing Race and Seal Driver easily installs bearings and seals without damaging the bearing race or housing.

National also offers the time-saving RD-2004 O-Ring Installation and Removal Tool, as well as the durable and precise MD-2000 Metal Caliper.

To learn more about National Oil Seals Industrial Products, call 1 (800) 480-1212

National[®] Oil Seals



To learn more about
National Oil Seals Industrial Products, contact us at:

**National Oil Seals Industrial Products
Federal-Mogul Corporation
26555 Northwestern Highway
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**1 (800) 480-1212
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